

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: P722213

Luminaire Tested: **IFLD-L-SA7C-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722213
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

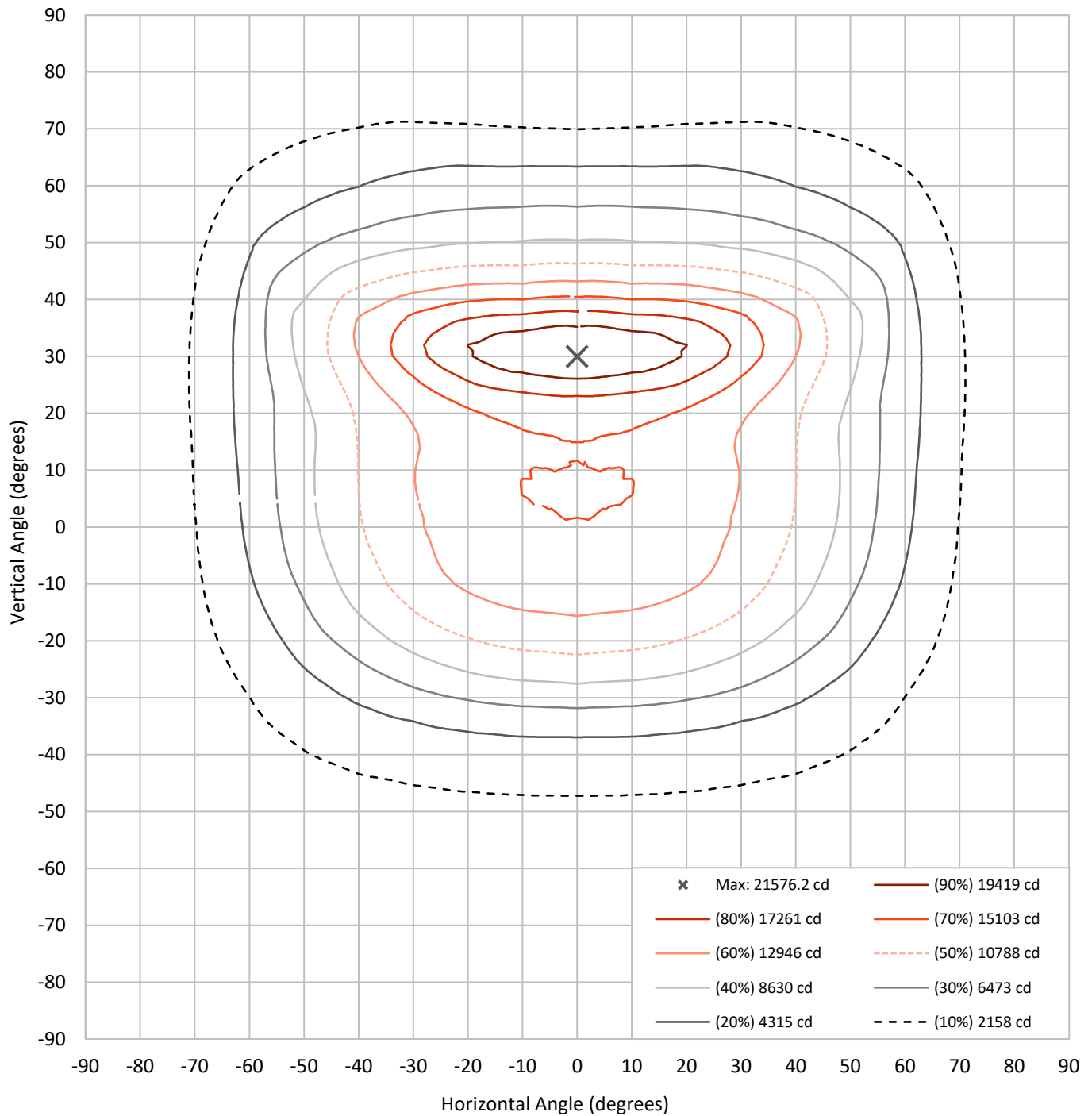
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	36016.1 lumens	Max Intensity:	21576.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	97.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	20943.8 lumens	Field Lumens:	33751.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 369
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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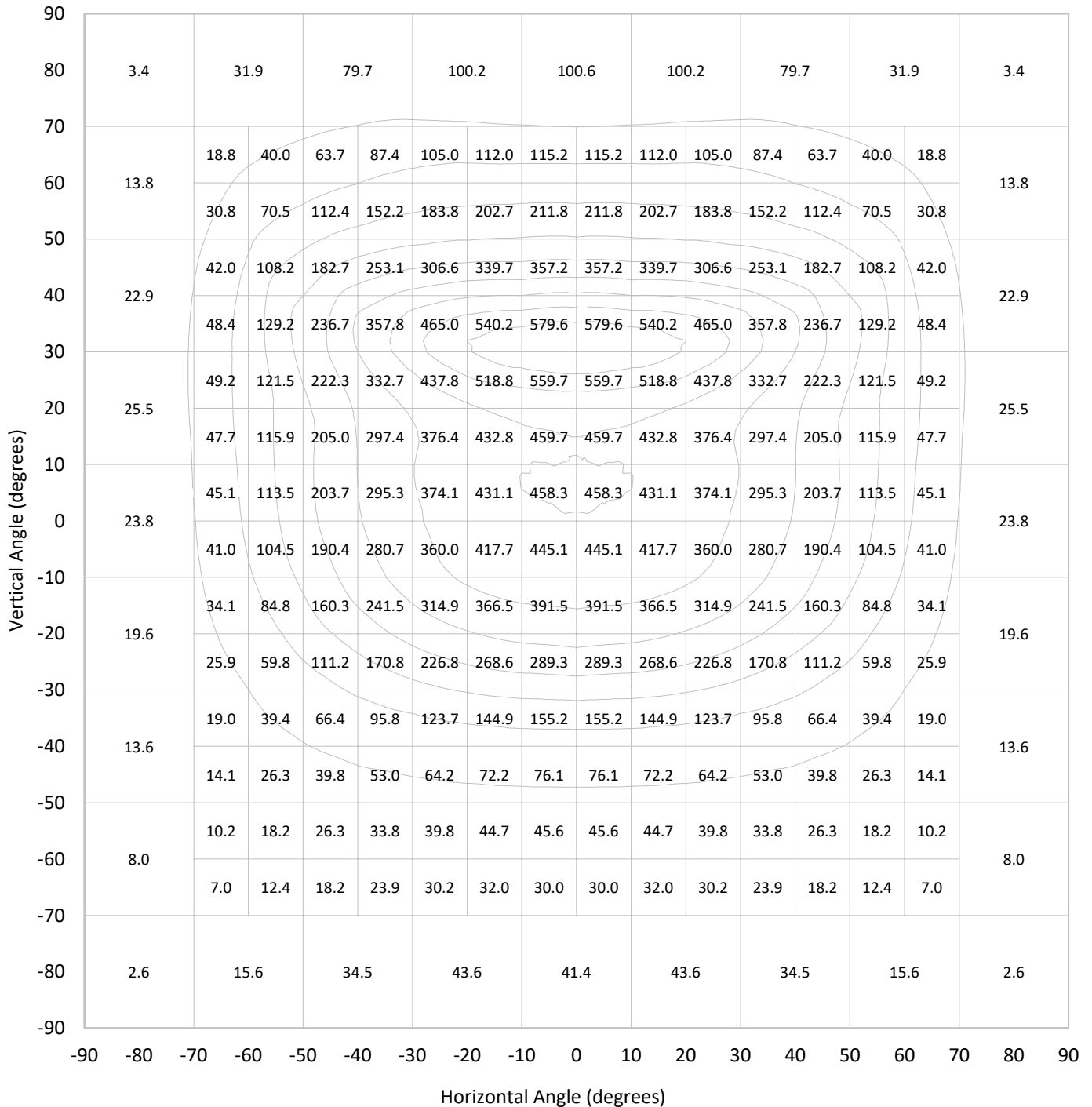
Iso-Candela Plot





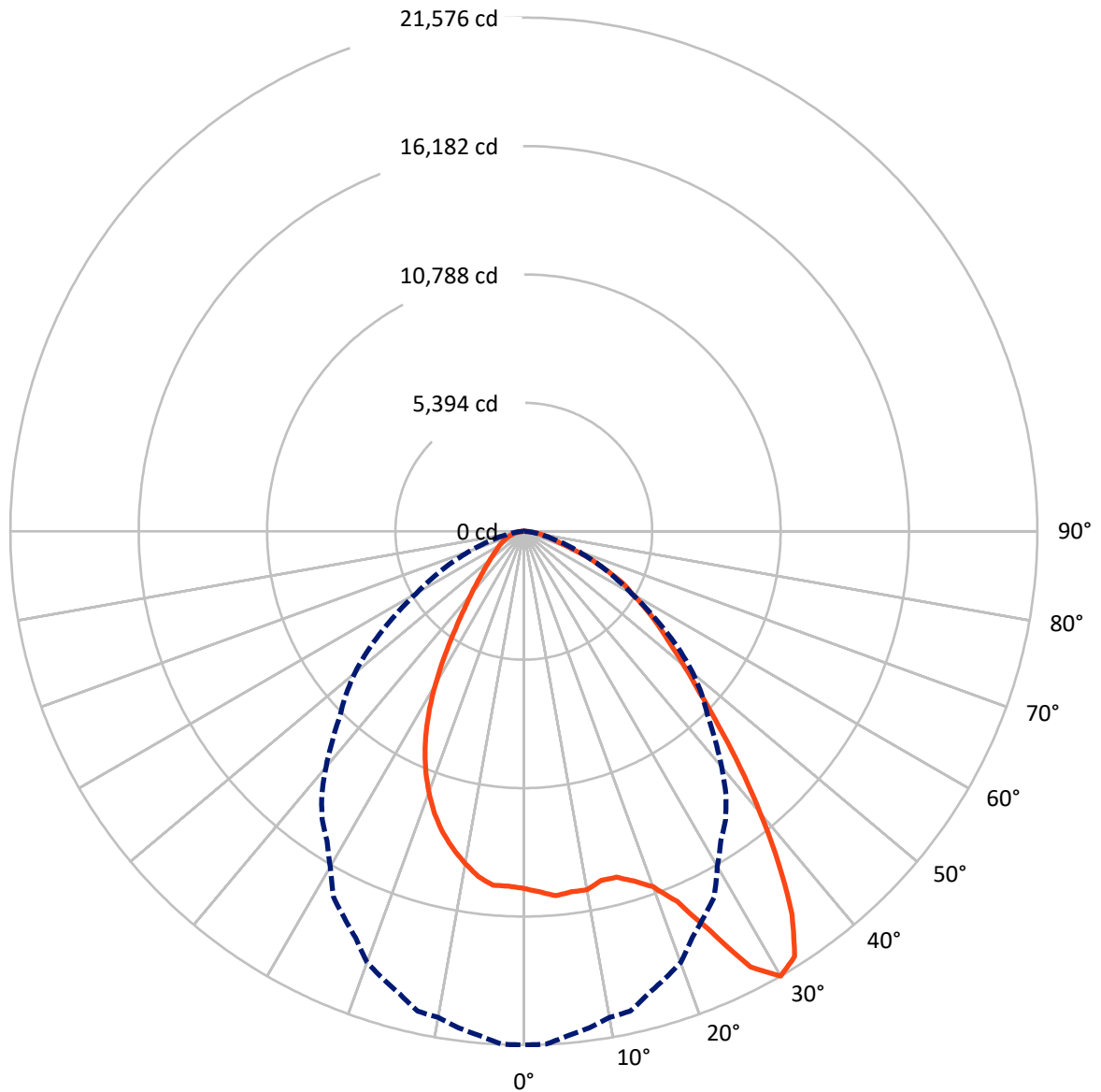
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Lumen Table



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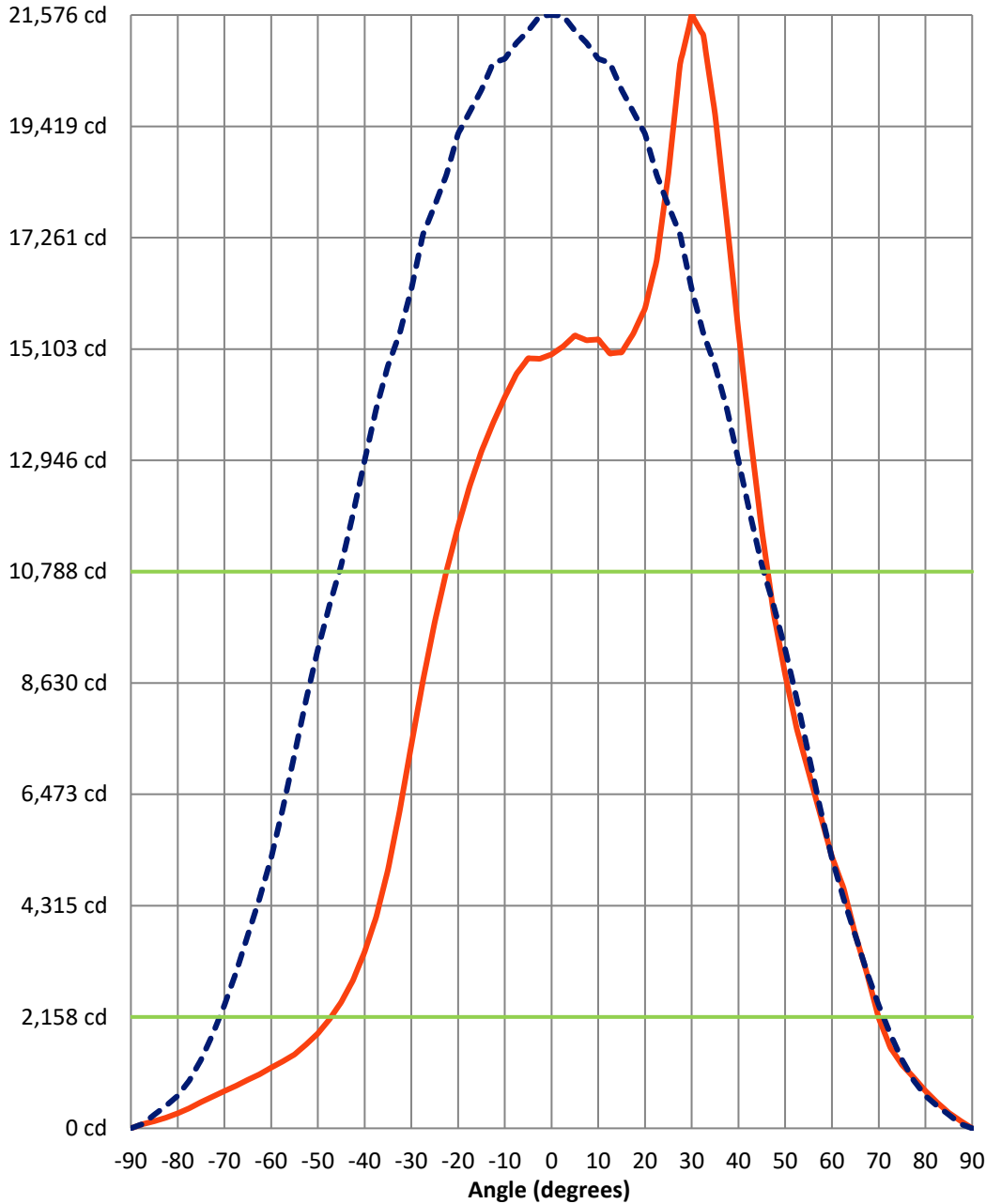
Luminous Intensity Polar Plot



— 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: 20943.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 33751.8
 Efficiency: 93.7%

Spill:
 Lumens: 2264.4
 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°	145.0	148.8	152.6	152.6	148.8	148.8	148.8	145.0	148.8	148.8	148.8
85°	301.4	309.0	316.7	312.9	309.0	301.4	293.8	297.6	301.4	305.2	305.2
82.5°	499.8	511.3	518.9	515.1	507.5	499.8	492.2	496.0	503.6	507.5	507.5
80°	724.9	728.7	732.6	740.2	728.7	728.7	724.9	740.2	747.8	755.5	763.1
77.5°	984.4	988.2	988.2	992.0	995.8	999.6	999.6	1026.3	1045.4	1056.9	1068.3
75°	1228.6	1240.0	1251.5	1262.9	1278.2	1285.8	1297.2	1335.4	1365.9	1388.8	1411.7
72.5°	1564.3	1579.6	1598.7	1625.4	1652.1	1671.2	1697.9	1743.6	1778.0	1800.9	1827.6
70°	2140.5	2155.7	2174.8	2193.9	2220.6	2239.7	2266.4	2323.6	2357.9	2373.2	2388.5
67.5°	2995.1	3033.3	3067.6	3029.4	3010.4	2983.7	2991.3	3044.7	3079.0	3101.9	3098.1
65°	3754.4	3781.1	3781.1	3777.3	3762.0	3727.7	3746.7	3811.6	3849.8	3868.8	3811.6
62.5°	4647.2	4647.2	4628.1	4658.6	4662.4	4639.6	4628.1	4631.9	4635.7	4647.2	4551.8
60°	5265.3	5303.4	5314.9	5341.6	5349.2	5349.2	5368.3	5383.6	5383.6	5360.7	5250.0
57.5°	6081.8	6154.3	6169.5	6150.5	6112.3	6062.7	6055.1	6032.2	5986.4	5940.6	5887.2
55°	6905.9	6944.1	6940.3	6928.8	6890.7	6833.4	6841.0	6810.5	6738.0	6680.8	6608.3
52.5°	7733.9	7825.4	7840.7	7817.8	7764.4	7703.3	7707.2	7672.8	7600.3	7539.3	7440.1
50°	8790.7	8867.0	8859.4	8821.3	8744.9	8699.2	8703.0	8638.1	8554.2	8535.1	8405.4
47.5°	10000.2	10088.0	10072.7	10019.3	9916.3	9897.2	9916.3	9832.3	9782.7	9740.8	9588.2
45°	11587.4	11690.4	11633.2	11530.2	11366.1	11385.2	11411.9	11396.7	11289.8	11179.2	10984.6
42.5°	13449.4	13514.2	13445.5	13342.5	13136.5	13174.6	13159.4	13067.8	13003.0	12819.8	12571.8
40°	15441.0	15582.2	15475.3	15315.1	15101.4	15158.7	15116.7	14998.4	14845.8	14616.9	14304.0
37.5°	17589.1	17699.7	17577.6	17390.7	17199.9	17180.8	17096.9	16913.8	16696.3	16444.5	15944.6
35°	19645.6	19931.8	19706.6	19409.0	19176.3	19088.6	19008.4	18584.9	18336.9	17928.7	17245.7
32.5°	21175.6	21385.4	21106.9	20797.9	20515.5	20393.4	20111.1	19607.4	19473.9	18615.4	17989.7
30°	21576.2	21560.9	21271.0	21034.4	20729.2	20645.2	20126.3	19699.0	19271.7	18478.1	17882.9
27.5°	20622.4	20527.0	20248.4	20042.4	19741.0	19641.8	19130.5	18901.6	18241.5	17570.0	17066.4
25°	18497.2	18546.8	18336.9	18233.9	18035.5	17821.8	17619.6	17310.6	16898.5	16310.9	15849.3
22.5°	16822.2	16887.1	16799.3	16677.2	16524.6	16406.3	16253.7	16013.3	15616.5	15254.1	14819.1
20°	15891.2	15872.2	15795.8	15704.3	15559.3	15475.3	15307.5	15105.3	14800.0	14487.2	14017.9
17.5°	15402.9	15284.6	15212.1	15177.7	15101.4	14994.6	14796.2	14590.2	14353.6	13998.8	13655.4
15°	15040.4	15059.5	15002.2	14975.5	14914.5	14765.7	14563.5	14395.6	14075.1	13895.8	13582.9
12.5°	15017.5	14998.4	15002.2	14990.8	14914.5	14723.7	14620.7	14407.0	14201.0	13964.4	13605.8
10°	15288.4	15086.2	15101.4	15154.9	15032.8	14880.1	14769.5	14536.8	14342.2	14040.7	13685.9
7.5°	15273.1	15170.1	15200.6	15112.9	15151.0	14964.1	14811.5	14578.7	14334.5	14014.0	13693.5
5°	15364.7	15208.3	15181.6	15189.2	15093.8	14952.6	14746.6	14525.3	14296.4	13937.7	13609.6
2.5°	15154.9	15177.7	15055.7	15009.9	14998.4	14761.9	14571.1	14357.4	14120.9	13804.2	13510.4
0°	14998.4	15040.4	14914.5	14849.6	14845.8	14643.6	14521.5	14277.3	14109.4	13846.2	13491.3
-2.5°	14914.5	14964.1	14979.3	14861.1	14746.6	14590.2	14384.1	14120.9	13846.2	13540.9	13235.7
-5°	14922.1	14822.9	14780.9	14819.1	14719.9	14563.5	14334.5	14101.8	13830.9	13502.8	13121.2
-7.5°	14620.7	14521.5	14513.9	14494.8	14471.9	14323.1	14132.3	13880.5	13605.8	13300.6	12945.7
-10°	14170.5	14098.0	14078.9	14059.8	13998.8	13911.0	13731.7	13502.8	13254.8	12949.5	12571.8
-12.5°	13670.7	13636.3	13563.8	13514.2	13453.2	13350.2	13178.5	12968.6	12720.6	12449.7	12125.4
-15°	13117.4	13052.6	12980.1	12938.1	12850.3	12728.2	12556.6	12362.0	12091.1	11824.0	11518.8
-17.5°	12449.7	12369.6	12289.5	12278.0	12217.0	12030.0	11869.8	11633.2	11396.7	11141.0	10843.4
-20°	11663.7	11553.1	11499.7	11469.2	11385.2	11247.9	11076.2	10858.7	10629.8	10385.6	10042.2



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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°	10793.8	10698.4	10606.9	10549.6	10477.1	10370.3	10206.3	10015.5	9790.4	9515.7	9199.0
-25°	9805.6	9672.1	9614.9	9550.0	9511.8	9412.6	9252.4	9076.9	8844.1	8577.1	8275.6
-27.5°	8676.3	8569.4	8538.9	8447.3	8401.6	8298.5	8165.0	8000.9	7787.3	7535.5	7287.5
-30°	7428.6	7363.8	7314.2	7222.6	7188.3	7077.6	6989.9	6852.5	6657.9	6478.6	6280.2
-32.5°	6146.6	6081.8	6066.5	6024.5	6001.7	5929.2	5830.0	5730.8	5574.3	5440.8	5280.5
-35°	5009.6	4963.9	4967.7	4963.9	4941.0	4887.6	4765.5	4738.8	4624.3	4502.2	4399.2
-37.5°	4101.6	4105.4	4101.6	4097.8	4067.2	4044.3	3956.6	3922.3	3853.6	3735.3	3674.3
-40°	3418.6	3426.2	3422.4	3414.8	3380.5	3369.0	3311.8	3266.0	3239.3	3155.4	3090.5
-42.5°	2865.4	2876.8	2873.0	2869.2	2846.3	2842.5	2812.0	2758.5	2743.3	2693.7	2625.0
-45°	2445.7	2441.9	2434.2	2441.9	2430.4	2419.0	2399.9	2365.6	2346.5	2323.6	2266.4
-47.5°	2113.7	2117.6	2109.9	2109.9	2094.7	2083.2	2075.6	2052.7	2037.4	2018.4	1984.0
-50°	1839.0	1854.3	1850.5	1846.7	1835.2	1827.6	1827.6	1804.7	1781.8	1774.2	1751.3
-52.5°	1625.4	1636.8	1640.6	1648.3	1652.1	1655.9	1644.4	1621.6	1583.4	1579.6	1568.1
-55°	1430.8	1465.1	1488.0	1503.3	1518.5	1530.0	1507.1	1476.6	1438.4	1423.2	1419.3
-57.5°	1297.2	1331.6	1358.3	1381.2	1400.3	1419.3	1396.4	1365.9	1331.6	1312.5	1308.7
-60°	1175.1	1205.7	1232.4	1262.9	1289.6	1320.1	1308.7	1285.8	1266.7	1251.5	1236.2
-62.5°	1045.4	1075.9	1106.5	1144.6	1179.0	1209.5	1213.3	1209.5	1205.7	1209.5	1182.8
-65°	938.6	953.9	972.9	1014.9	1053.1	1087.4	1106.5	1117.9	1137.0	1156.1	1129.4
-67.5°	824.1	843.2	866.1	896.6	927.1	950.0	976.7	1007.3	1037.8	1068.3	1049.2
-70°	721.1	736.4	755.5	770.7	789.8	805.1	827.9	862.3	896.6	927.1	919.5
-72.5°	614.3	629.5	641.0	648.6	660.1	667.7	679.1	709.7	732.6	747.8	747.8
-75°	507.5	522.7	534.2	538.0	545.6	549.4	557.1	568.5	579.9	583.8	587.6
-77.5°	389.2	404.4	415.9	423.5	431.1	438.8	442.6	450.2	454.0	454.0	457.9
-80°	290.0	301.4	309.0	320.5	324.3	331.9	339.6	343.4	347.2	347.2	351.0
-82.5°	206.0	213.7	221.3	228.9	236.6	240.4	248.0	251.8	255.6	259.4	263.3
-85°	137.4	145.0	152.6	160.2	164.1	167.9	171.7	175.5	179.3	183.1	187.0
-87.5°	80.1	83.9	87.8	95.4	99.2	106.8	110.6	106.8	110.6	110.6	110.6
-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°	148.8	148.8	148.8	148.8	145.0	137.4	133.5	125.9	118.3	110.6	103.0
85°	309.0	312.9	312.9	312.9	305.2	301.4	290.0	278.5	263.3	240.4	221.3
82.5°	515.1	518.9	518.9	515.1	507.5	496.0	480.7	461.7	431.1	400.6	373.9
80°	774.5	778.3	778.3	774.5	755.5	736.4	717.3	694.4	656.3	614.3	568.5
77.5°	1083.6	1091.2	1091.2	1079.8	1053.1	1030.2	999.6	961.5	904.3	843.2	782.2
75°	1442.2	1461.3	1465.1	1453.7	1419.3	1377.4	1327.8	1262.9	1175.1	1098.8	1026.3
72.5°	1858.1	1877.2	1892.4	1877.2	1827.6	1770.4	1697.9	1621.6	1533.8	1430.8	1308.7
70°	2403.7	2422.8	2434.2	2384.6	2296.9	2201.5	2113.7	2026.0	1923.0	1797.1	1663.5
67.5°	3090.5	3071.4	3048.5	2949.3	2838.7	2724.2	2602.1	2472.4	2338.9	2205.3	2048.9
65°	3750.6	3697.1	3647.5	3529.3	3388.1	3239.3	3098.1	2953.1	2792.9	2625.0	2476.2
62.5°	4445.0	4330.5	4208.4	4063.4	3918.4	3754.4	3613.2	3441.5	3262.2	3056.2	2865.4
60°	5127.9	4990.6	4868.5	4689.2	4498.4	4277.1	4124.5	3956.6	3746.7	3525.4	3300.3
57.5°	5788.0	5639.2	5505.7	5349.2	5143.2	4902.8	4734.9	4517.5	4296.2	4017.6	3788.7
55°	6490.0	6341.2	6234.4	6058.9	5833.8	5612.5	5429.3	5200.4	4891.4	4593.8	4311.4
52.5°	7295.1	7176.8	7062.3	6883.0	6612.1	6387.0	6184.8	5929.2	5604.9	5238.6	4899.0
50°	8195.5	8134.5	8012.4	7802.5	7493.5	7295.1	7028.0	6688.4	6341.2	5955.9	5532.4
47.5°	9389.8	9290.6	9118.9	8889.9	8630.5	8332.9	7974.2	7577.4	7085.2	6657.9	6207.7
45°	10816.7	10633.6	10412.3	10103.2	9782.7	9447.0	9054.0	8550.4	7890.3	7333.2	6860.1
42.5°	12362.0	12114.0	11812.5	11408.1	10992.2	10580.2	10156.7	9469.9	8645.7	8004.8	7470.6
40°	13975.9	13659.2	13281.5	12693.9	12232.2	11701.9	11217.3	10191.0	9313.4	8619.0	8050.5
37.5°	15555.5	15154.9	14521.5	13808.0	13270.0	12835.1	11770.6	10671.7	9885.8	9122.7	8546.5
35°	16765.0	16425.4	15307.5	14567.3	14105.6	13418.8	12087.3	10961.7	10129.9	9496.6	8600.0
32.5°	17482.3	16604.7	15624.1	14876.3	14494.8	13369.2	12110.1	11045.6	10244.4	9534.7	8462.6
30°	17322.0	16261.3	15402.9	14777.1	13949.2	12938.1	11896.5	10915.9	10137.6	9279.1	8310.0
27.5°	16356.7	15536.4	14769.5	14117.1	13304.4	12396.3	11434.8	10572.5	9847.6	9015.8	8100.1
25°	15265.5	14521.5	13953.0	13384.5	12613.8	11747.7	10900.7	10278.7	9550.0	8729.7	7825.4
22.5°	14262.0	13727.9	13281.5	12686.3	11934.6	11179.2	10652.7	10007.8	9260.0	8428.3	7543.1
20°	13621.1	13258.6	12747.3	12091.1	11499.7	11026.6	10442.8	9759.8	8989.1	8119.2	7302.7
17.5°	13312.0	12892.3	12323.8	11896.5	11442.4	10923.6	10271.1	9546.2	8725.9	7978.0	7329.4
15°	13151.8	12709.2	12335.3	11915.6	11404.3	10858.7	10133.8	9382.1	8725.9	8035.3	7348.5
12.5°	13186.1	12804.6	12396.3	11938.5	11389.0	10805.3	10149.0	9450.8	8771.7	8077.2	7352.3
10°	13292.9	12892.3	12457.3	11949.9	11396.7	10820.5	10191.0	9492.8	8794.5	8096.3	7344.7
7.5°	13331.1	12896.1	12430.6	11919.4	11377.6	10812.9	10198.6	9504.2	8798.4	8092.5	7321.8
5°	13212.8	12819.8	12369.6	11854.5	11324.2	10774.7	10168.1	9489.0	8767.8	8054.4	7264.6
2.5°	13052.6	12735.9	12304.7	11808.7	11270.8	10721.3	10118.5	9420.3	8699.2	7985.7	7192.1
0°	13025.8	12632.9	12197.9	11755.3	11183.0	10603.1	10004.0	9290.6	8573.3	7856.0	7066.2
-2.5°	12850.3	12434.5	11999.5	11518.8	11015.1	10431.4	9801.8	9103.6	8393.9	7688.1	6928.8
-5°	12716.8	12255.1	11793.5	11274.6	10767.1	10183.4	9530.9	8851.8	8157.4	7470.6	6738.0
-7.5°	12537.5	12064.4	11579.8	11038.0	10488.6	9893.4	9248.6	8569.4	7886.5	7203.5	6501.5
-10°	12175.0	11759.1	11305.1	10744.2	10164.3	9569.1	8928.1	8260.4	7577.4	6886.8	6181.0
-12.5°	11736.2	11297.5	10801.5	10286.4	9767.5	9214.2	8573.3	7917.0	7230.2	6535.8	5833.8
-15°	11167.7	10736.6	10229.1	9725.5	9225.7	8695.3	8130.7	7539.3	6841.0	6158.1	5456.1
-17.5°	10458.1	10053.6	9599.6	9118.9	8622.9	8088.7	7539.3	7039.5	6387.0	5746.0	5051.6
-20°	9695.0	9317.3	8909.0	8455.0	7959.0	7436.3	6917.4	6394.6	5830.0	5265.3	4620.5



REPORT NUMBER: P722213
 CATALOG NUMBER: IFLD-L-SA7C-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°	8901.4	8519.8	8107.8	7684.3	7226.4	6741.8	6261.1	5761.3	5265.3	4754.0	4208.4
-25°	7985.7	7649.9	7272.2	6860.1	6451.9	6028.4	5570.5	5116.5	4693.0	4250.4	3804.0
-27.5°	7028.0	6719.0	6375.6	6016.9	5665.9	5311.1	4914.3	4494.6	4143.5	3777.3	3407.2
-30°	6020.7	5772.7	5494.2	5181.3	4910.4	4624.3	4292.3	3945.1	3624.6	3346.1	3048.5
-32.5°	5066.9	4857.0	4658.6	4452.6	4185.5	3964.2	3735.3	3479.7	3197.3	2934.1	2720.4
-35°	4246.6	4021.5	3937.5	3784.9	3594.1	3399.5	3231.7	3048.5	2834.9	2602.1	2426.6
-37.5°	3556.0	3422.4	3304.2	3220.2	3094.3	2937.9	2804.3	2670.8	2506.7	2331.2	2155.7
-40°	3018.0	2926.4	2796.7	2754.7	2674.6	2567.8	2430.4	2327.4	2216.8	2083.2	1934.4
-42.5°	2586.9	2518.2	2434.2	2361.7	2327.4	2251.1	2144.3	2045.1	1957.3	1865.7	1751.3
-45°	2232.0	2186.2	2132.8	2068.0	2041.3	1980.2	1903.9	1793.2	1743.6	1667.3	1583.4
-47.5°	1945.9	1923.0	1884.8	1842.8	1804.7	1758.9	1690.2	1621.6	1552.9	1503.3	1438.4
-50°	1720.8	1705.5	1682.6	1648.3	1598.7	1568.1	1522.4	1461.3	1396.4	1354.5	1308.7
-52.5°	1541.4	1526.2	1510.9	1484.2	1446.0	1415.5	1377.4	1327.8	1274.4	1232.4	1194.2
-55°	1404.1	1381.2	1369.7	1346.8	1316.3	1282.0	1247.6	1213.3	1167.5	1129.4	1091.2
-57.5°	1297.2	1266.7	1251.5	1232.4	1201.9	1167.5	1140.8	1106.5	1075.9	1034.0	999.6
-60°	1213.3	1179.0	1148.4	1129.4	1102.7	1068.3	1041.6	1014.9	984.4	950.0	908.1
-62.5°	1144.6	1102.7	1060.7	1037.8	1011.1	980.6	953.9	927.1	896.6	862.3	824.1
-65°	1079.8	1030.2	976.7	953.9	927.1	896.6	862.3	843.2	816.5	786.0	747.8
-67.5°	999.6	946.2	900.4	873.7	847.0	820.3	789.8	770.7	744.0	705.9	667.7
-70°	881.4	847.0	816.5	793.6	770.7	747.8	717.3	686.8	656.3	621.9	587.6
-72.5°	732.6	721.1	717.3	705.9	679.1	652.4	621.9	591.4	564.7	538.0	511.3
-75°	591.4	599.0	606.7	602.8	576.1	549.4	522.7	496.0	476.9	454.0	431.1
-77.5°	469.3	476.9	484.6	484.6	465.5	450.2	431.1	412.1	396.8	377.7	354.8
-80°	362.5	373.9	385.4	393.0	377.7	366.3	351.0	335.8	320.5	305.2	290.0
-82.5°	274.7	286.2	297.6	305.2	293.8	286.2	274.7	263.3	251.8	236.6	225.1
-85°	198.4	206.0	213.7	217.5	209.8	202.2	194.6	187.0	179.3	167.9	160.2
-87.5°	114.5	118.3	122.1	125.9	118.3	110.6	106.8	99.2	95.4	87.8	83.9
-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: P722213
 CATALOG NUMBER: IFLD-L-SA7C-830-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°	95.4	87.8	80.1	76.3	68.7	57.2	49.6	42.0	34.3	26.7	22.9
85°	202.2	183.1	160.2	148.8	133.5	118.3	103.0	87.8	72.5	57.2	42.0
82.5°	347.2	324.3	301.4	274.7	240.4	198.4	156.4	129.7	106.8	83.9	64.9
80°	522.7	480.7	442.6	408.3	370.1	316.7	259.4	206.0	145.0	110.6	83.9
77.5°	724.9	675.3	621.9	564.7	503.6	431.1	366.3	297.6	225.1	152.6	106.8
75°	953.9	889.0	816.5	736.4	656.3	560.9	469.3	389.2	305.2	213.7	129.7
72.5°	1209.5	1129.4	1041.6	934.8	808.9	698.2	587.6	480.7	381.5	270.9	175.5
70°	1537.6	1411.7	1282.0	1167.5	1007.3	831.8	702.0	579.9	454.0	331.9	221.3
67.5°	1888.6	1736.0	1579.6	1411.7	1209.5	1003.5	816.5	679.1	530.3	389.2	263.3
65°	2270.2	2079.4	1881.0	1694.0	1415.5	1171.3	961.5	774.5	602.8	442.6	305.2
62.5°	2663.2	2438.1	2209.1	1964.9	1644.4	1343.0	1098.8	881.4	671.5	492.2	343.4
60°	3082.9	2819.6	2541.1	2235.8	1861.9	1530.0	1228.6	992.0	744.0	541.8	385.4
57.5°	3525.4	3239.3	2911.2	2499.1	2087.0	1709.3	1377.4	1091.2	808.9	587.6	415.9
55°	4006.2	3678.1	3319.4	2773.8	2308.3	1888.6	1526.2	1190.4	877.5	625.7	446.4
52.5°	4525.1	4143.5	3689.5	3063.8	2541.1	2071.8	1663.5	1278.2	942.4	667.7	473.1
50°	5105.0	4624.3	4013.8	3330.9	2743.3	2243.5	1800.9	1373.6	995.8	713.5	496.0
47.5°	5707.9	5189.0	4303.8	3578.9	2949.3	2411.3	1942.0	1457.5	1049.2	751.6	518.9
45°	6337.4	5582.0	4605.2	3800.2	3128.6	2564.0	2048.9	1533.8	1114.1	786.0	538.0
42.5°	6959.3	5879.6	4868.5	4021.5	3296.5	2701.3	2136.6	1606.3	1167.5	820.3	557.1
40°	7253.1	6104.7	5078.3	4174.1	3437.7	2823.4	2212.9	1671.2	1213.3	843.2	576.1
37.5°	7375.2	6242.0	5215.7	4319.1	3548.3	2888.3	2277.8	1728.4	1251.5	866.1	591.4
35°	7401.9	6291.6	5284.4	4418.3	3639.9	2949.3	2327.4	1770.4	1282.0	889.0	606.7
32.5°	7352.3	6276.4	5303.4	4452.6	3697.1	2995.1	2361.7	1800.9	1304.9	911.9	621.9
30°	7241.7	6196.2	5234.8	4448.8	3739.1	3021.8	2384.6	1823.8	1327.8	927.1	629.5
27.5°	7062.3	6055.1	5147.0	4452.6	3762.0	3033.3	2396.1	1835.2	1343.0	938.6	644.8
25°	6841.0	5864.3	5150.8	4445.0	3765.8	3037.1	2396.1	1835.2	1346.8	942.4	656.3
22.5°	6585.4	5864.3	5150.8	4433.5	3742.9	3029.4	2384.6	1827.6	1346.8	950.0	667.7
20°	6600.7	5868.1	5139.4	4410.6	3708.6	3006.6	2357.9	1808.5	1335.4	961.5	675.3
17.5°	6612.1	5860.5	5116.5	4380.1	3662.8	2968.4	2323.6	1781.8	1335.4	972.9	679.1
15°	6612.1	5837.6	5082.1	4334.3	3605.6	2915.0	2274.0	1758.9	1339.2	976.7	686.8
12.5°	6600.7	5795.6	5028.7	4273.3	3536.9	2850.1	2243.5	1751.3	1339.2	980.6	686.8
10°	6577.8	5738.4	4960.0	4197.0	3472.0	2827.2	2228.2	1736.0	1331.6	980.6	686.8
7.5°	6535.8	5669.7	4902.8	4151.2	3433.9	2800.5	2205.3	1713.1	1320.1	972.9	694.4
5°	6471.0	5631.6	4857.0	4097.8	3380.5	2781.4	2190.1	1694.0	1312.5	972.9	686.8
2.5°	6387.0	5585.8	4803.6	4029.1	3319.4	2716.6	2140.5	1652.1	1285.8	957.7	679.1
0°	6249.7	5494.2	4712.0	3933.7	3235.5	2651.7	2090.9	1610.1	1259.1	942.4	671.5
-2.5°	6123.8	5372.1	4593.8	3834.5	3155.4	2594.5	2052.7	1587.2	1247.6	938.6	667.7
-5°	5948.2	5204.2	4437.3	3704.8	3048.5	2537.3	2014.5	1560.5	1236.2	931.0	667.7
-7.5°	5753.7	5028.7	4273.3	3571.2	2941.7	2438.1	1942.0	1518.5	1209.5	915.7	663.9
-10°	5452.2	4765.5	4067.2	3418.6	2827.2	2350.3	1881.0	1480.4	1186.6	900.4	648.6
-12.5°	5131.7	4475.5	3830.7	3231.7	2697.5	2258.7	1812.3	1438.4	1159.9	885.2	641.0
-15°	4792.2	4177.9	3582.7	3037.1	2556.3	2148.1	1739.8	1392.6	1133.2	866.1	629.5
-17.5°	4437.3	3865.0	3327.0	2838.7	2415.2	2033.6	1663.5	1350.7	1102.7	847.0	618.1
-20°	4063.4	3544.5	3067.6	2636.5	2266.4	1919.2	1583.4	1301.1	1068.3	824.1	602.8



REPORT NUMBER: P722213

CATALOG NUMBER: IFLD-L-SA7C-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	3693.3	3227.8	2800.5	2438.1	2113.7	1800.9	1503.3	1251.5	1030.2	797.4	591.4
-25°	3365.2	2930.2	2564.0	2247.3	1964.9	1686.4	1419.3	1201.9	988.2	770.7	576.1
-27.5°	3044.7	2674.6	2331.2	2068.0	1820.0	1575.8	1339.2	1148.4	946.2	740.2	560.9
-30°	2747.1	2430.4	2148.1	1892.4	1682.6	1476.6	1270.5	1095.0	900.4	709.7	541.8
-32.5°	2476.2	2220.6	1984.0	1739.8	1552.9	1377.4	1205.7	1041.6	854.7	679.1	522.7
-35°	2224.4	2026.0	1820.0	1613.9	1423.2	1285.8	1137.0	984.4	812.7	644.8	503.6
-37.5°	1999.3	1839.0	1675.0	1499.5	1335.4	1198.0	1072.1	927.1	770.7	614.3	484.6
-40°	1804.7	1675.0	1530.0	1388.8	1251.5	1121.7	1007.3	869.9	728.7	591.4	465.5
-42.5°	1625.4	1526.2	1407.9	1289.6	1167.5	1053.1	942.4	808.9	686.8	564.7	446.4
-45°	1488.0	1388.8	1293.4	1186.6	1083.6	984.4	873.7	755.5	648.6	534.2	427.3
-47.5°	1358.3	1270.5	1182.8	1095.0	1011.1	919.5	808.9	709.7	606.7	507.5	412.1
-50°	1243.8	1159.9	1083.6	1007.3	934.8	847.0	744.0	663.9	572.3	480.7	393.0
-52.5°	1137.0	1064.5	988.2	927.1	866.1	778.3	694.4	618.1	538.0	450.2	373.9
-55°	1041.6	972.9	904.3	847.0	789.8	713.5	644.8	579.9	503.6	427.3	354.8
-57.5°	950.0	892.8	827.9	774.5	717.3	656.3	599.0	538.0	469.3	404.4	335.8
-60°	866.1	812.7	755.5	702.0	652.4	602.8	549.4	499.8	438.8	377.7	316.7
-62.5°	782.2	736.4	686.8	633.4	595.2	549.4	507.5	457.9	408.3	354.8	282.3
-65°	705.9	663.9	618.1	572.3	538.0	503.6	465.5	419.7	377.7	328.1	251.8
-67.5°	629.5	591.4	553.2	515.1	484.6	457.9	419.7	385.4	351.0	297.6	221.3
-70°	557.1	526.5	492.2	461.7	438.8	408.3	381.5	351.0	320.5	259.4	187.0
-72.5°	488.4	457.9	431.1	408.3	389.2	362.5	339.6	316.7	274.7	217.5	156.4
-75°	408.3	389.2	373.9	354.8	335.8	316.7	297.6	270.9	228.9	175.5	122.1
-77.5°	335.8	324.3	312.9	297.6	282.3	267.1	244.2	217.5	183.1	137.4	99.2
-80°	274.7	263.3	255.6	240.4	228.9	213.7	190.8	167.9	133.5	106.8	80.1
-82.5°	209.8	202.2	194.6	187.0	175.5	160.2	137.4	118.3	99.2	80.1	61.0
-85°	148.8	145.0	137.4	129.7	118.3	106.8	91.6	80.1	68.7	53.4	42.0
-87.5°	76.3	72.5	68.7	64.9	61.0	53.4	45.8	38.2	34.3	26.7	19.1
-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: P722213

CATALOG NUMBER: IFLD-L-SA7C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	15.3	11.4	3.8	0.0
85°	30.5	19.1	7.6	0.0
82.5°	45.8	30.5	11.4	0.0
80°	61.0	38.2	19.1	0.0
77.5°	76.3	45.8	22.9	0.0
75°	91.6	57.2	26.7	0.0
72.5°	103.0	64.9	30.5	0.0
70°	122.1	76.3	34.3	0.0
67.5°	152.6	83.9	38.2	0.0
65°	179.3	91.6	42.0	0.0
62.5°	209.8	99.2	45.8	0.0
60°	236.6	106.8	49.6	0.0
57.5°	263.3	125.9	53.4	0.0
55°	286.2	141.2	57.2	0.0
52.5°	312.9	156.4	61.0	0.0
50°	335.8	171.7	64.9	0.0
47.5°	354.8	187.0	64.9	0.0
45°	370.1	198.4	68.7	0.0
42.5°	381.5	209.8	72.5	0.0
40°	393.0	221.3	76.3	0.0
37.5°	404.4	232.7	76.3	0.0
35°	415.9	244.2	80.1	0.0
32.5°	427.3	255.6	80.1	0.0
30°	435.0	263.3	83.9	0.0
27.5°	446.4	270.9	83.9	0.0
25°	450.2	278.5	87.8	0.0
22.5°	457.9	282.3	87.8	0.0
20°	465.5	290.0	87.8	0.0
17.5°	469.3	293.8	91.6	0.0
15°	469.3	297.6	95.4	0.0
12.5°	473.1	301.4	95.4	0.0
10°	473.1	309.0	91.6	0.0
7.5°	480.7	305.2	91.6	0.0
5°	476.9	305.2	91.6	0.0
2.5°	473.1	301.4	91.6	0.0
0°	469.3	301.4	91.6	0.0
-2.5°	469.3	301.4	91.6	0.0
-5°	469.3	301.4	91.6	0.0
-7.5°	465.5	305.2	91.6	0.0
-10°	457.9	305.2	91.6	0.0
-12.5°	454.0	293.8	91.6	0.0
-15°	450.2	290.0	91.6	0.0
-17.5°	442.6	286.2	87.8	0.0
-20°	435.0	282.3	87.8	0.0



REPORT NUMBER: P722213

CATALOG NUMBER: IFLD-L-SA7C-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	427.3	274.7	87.8	0.0
-25°	419.7	267.1	83.9	0.0
-27.5°	412.1	259.4	83.9	0.0
-30°	400.6	251.8	80.1	0.0
-32.5°	389.2	244.2	80.1	0.0
-35°	381.5	232.7	76.3	0.0
-37.5°	370.1	221.3	76.3	0.0
-40°	358.6	209.8	72.5	0.0
-42.5°	347.2	198.4	68.7	0.0
-45°	331.9	187.0	68.7	0.0
-47.5°	320.5	175.5	64.9	0.0
-50°	301.4	160.2	61.0	0.0
-52.5°	278.5	145.0	57.2	0.0
-55°	255.6	133.5	53.4	0.0
-57.5°	232.7	118.3	53.4	0.0
-60°	209.8	103.0	49.6	0.0
-62.5°	187.0	95.4	45.8	0.0
-65°	164.1	87.8	42.0	0.0
-67.5°	137.4	76.3	38.2	0.0
-70°	114.5	68.7	34.3	0.0
-72.5°	99.2	61.0	30.5	0.0
-75°	83.9	53.4	26.7	0.0
-77.5°	72.5	45.8	22.9	0.0
-80°	57.2	34.3	15.3	0.0
-82.5°	42.0	26.7	11.4	0.0
-85°	26.7	19.1	7.6	0.0
-87.5°	15.3	7.6	3.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)