

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: P722199

Luminaire Tested: **IFLD-S-SA3D-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722199
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

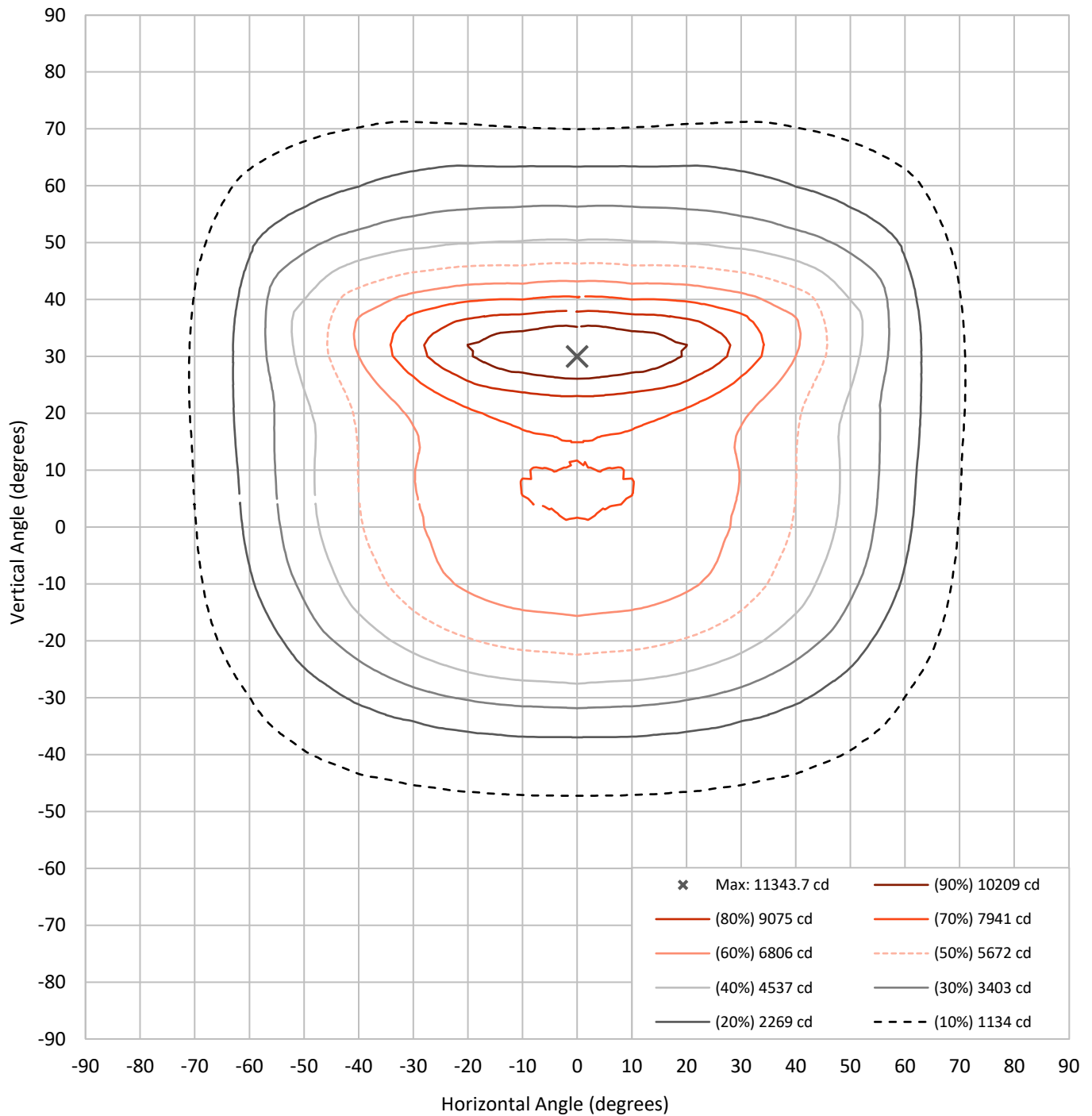
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	18935.5 lumens	Max Intensity:	11343.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	102.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	11011.2 lumens	Field Lumens:	17745 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 184.1
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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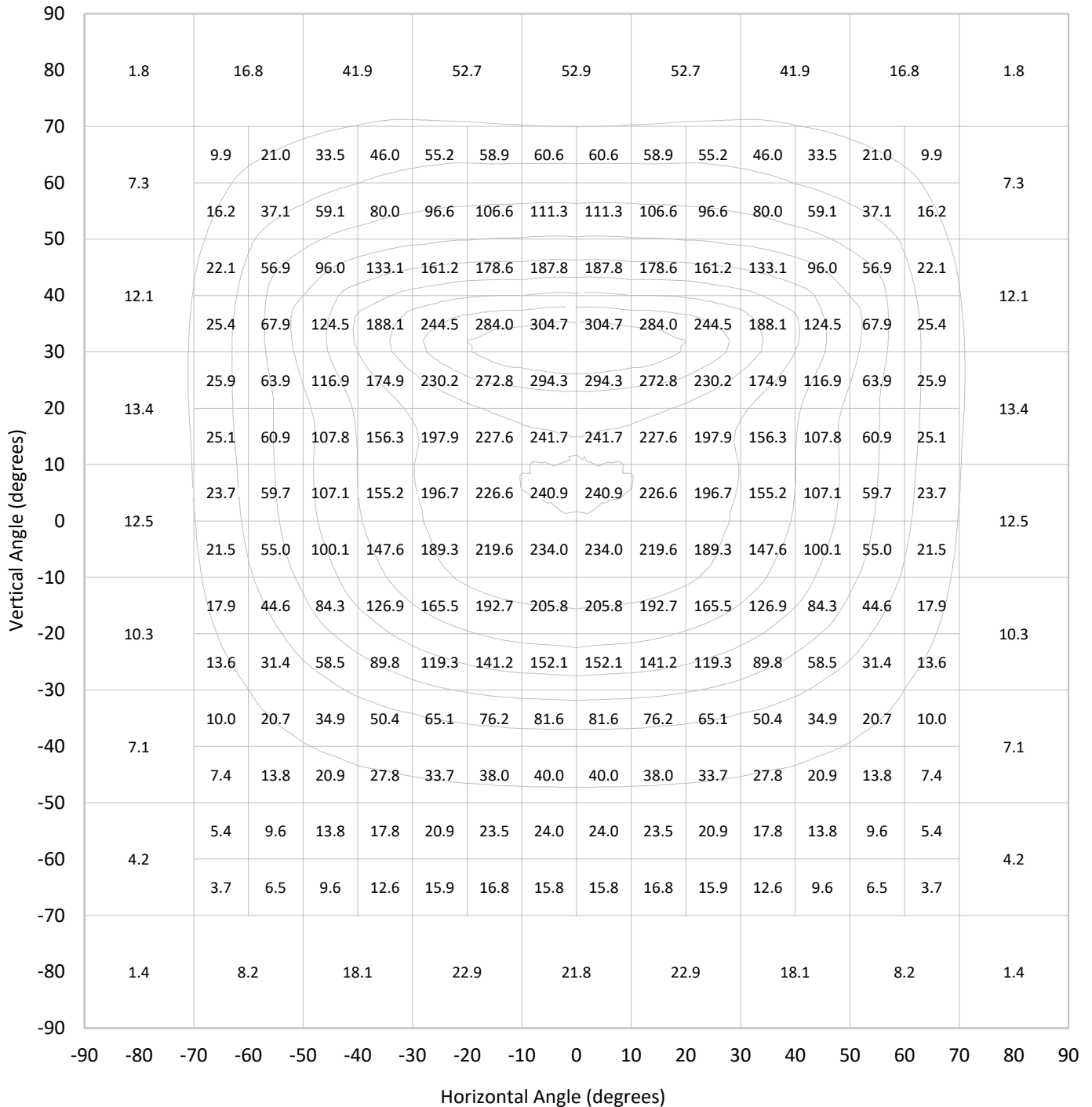
Iso-Candela Plot





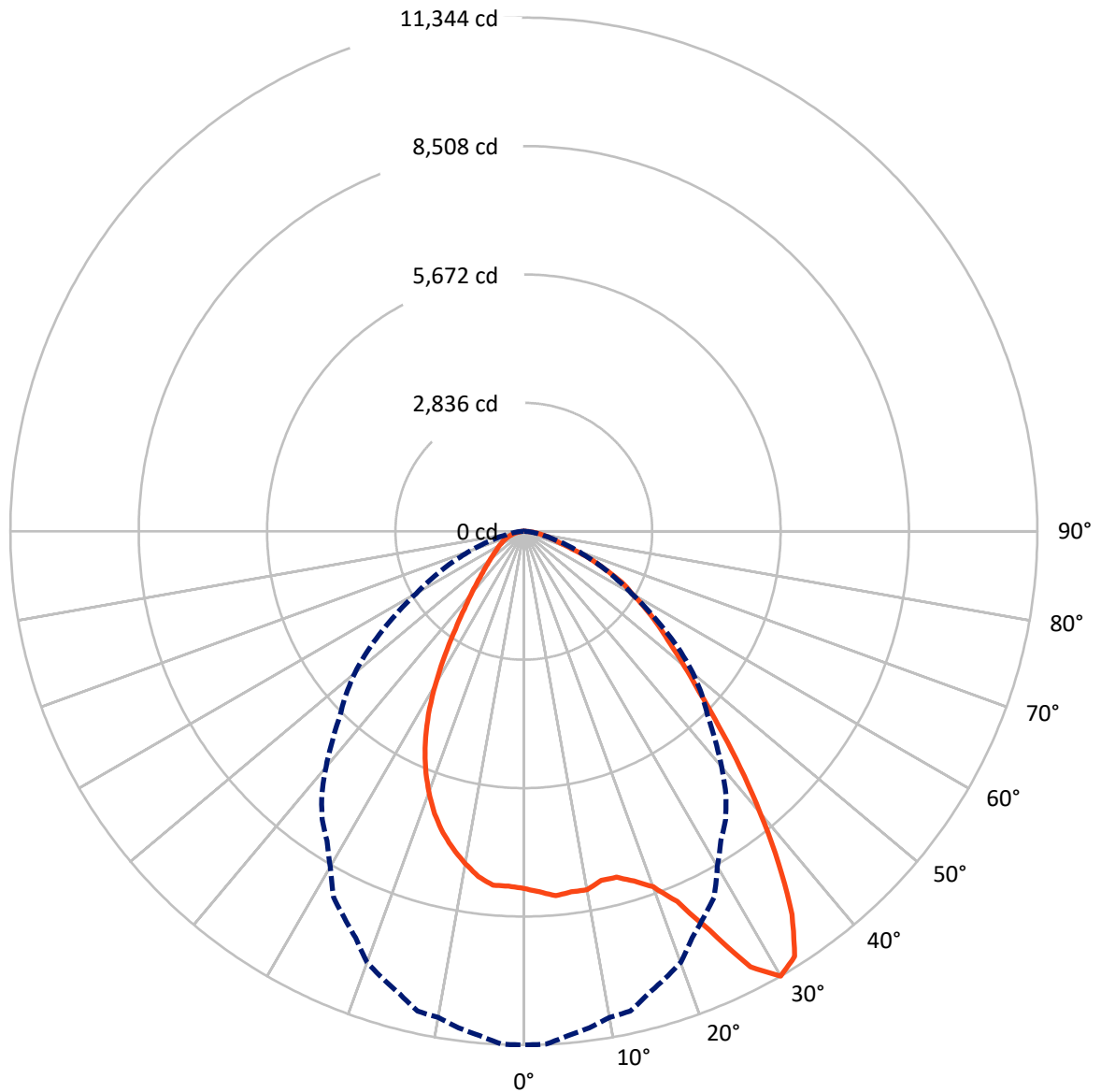
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Lumen Table



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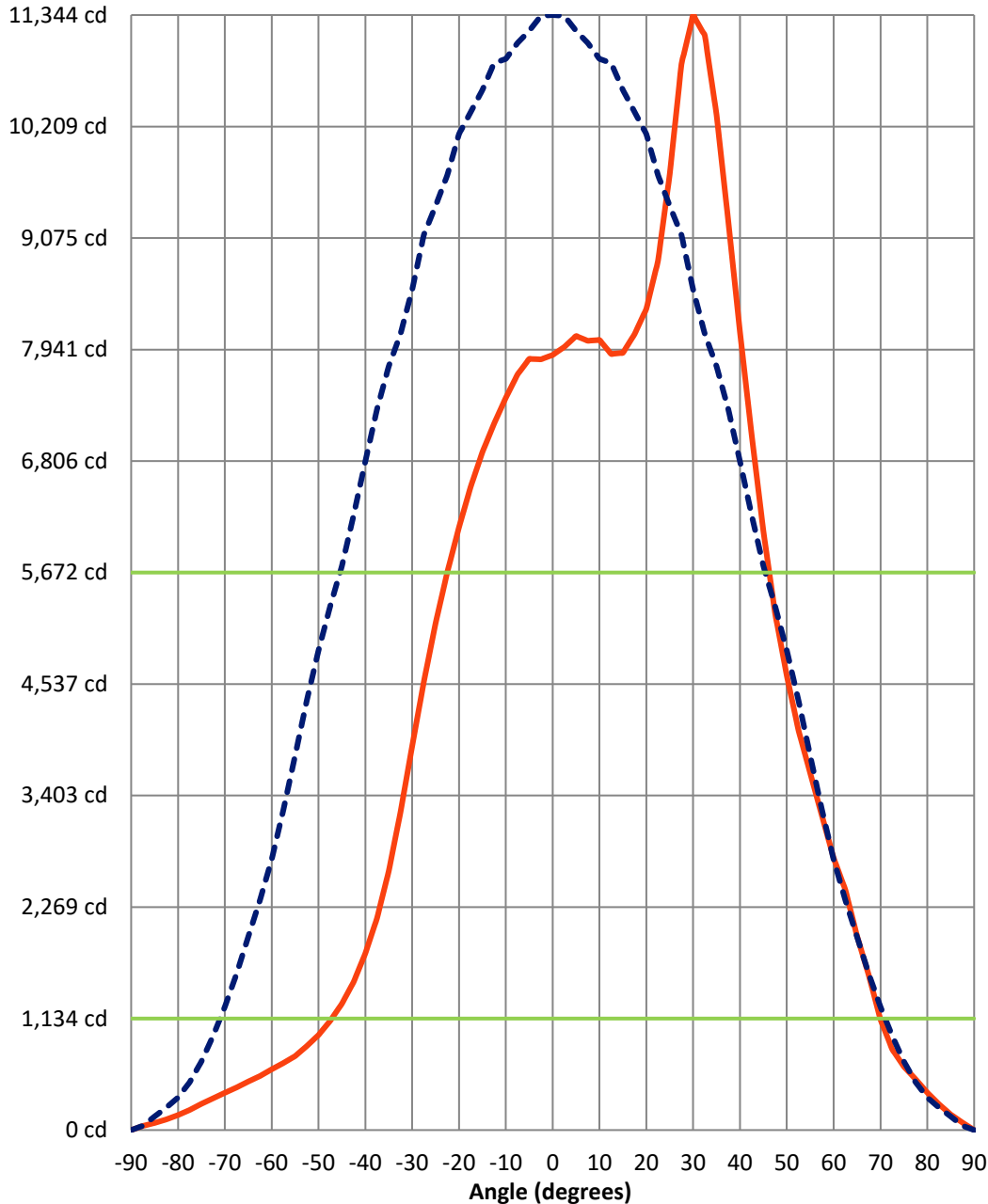
Luminous Intensity Polar Plot



— 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: 11011.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 17745
 Efficiency: 93.7%

Spill:
 Lumens: 1190.5
 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°	76.2	78.2	80.2	80.2	78.2	78.2	78.2	76.2	78.2	78.2	78.2
85°	158.5	162.5	166.5	164.5	162.5	158.5	154.5	156.5	158.5	160.5	160.5
82.5°	262.8	268.8	272.8	270.8	266.8	262.8	258.8	260.8	264.8	266.8	266.8
80°	381.1	383.1	385.1	389.2	383.1	383.1	381.1	389.2	393.2	397.2	401.2
77.5°	517.5	519.5	519.5	521.6	523.6	525.6	525.6	539.6	549.6	555.7	561.7
75°	645.9	651.9	658.0	664.0	672.0	676.0	682.0	702.1	718.1	730.2	742.2
72.5°	822.4	830.5	840.5	854.5	868.6	878.6	892.7	916.7	934.8	946.8	960.9
70°	1125.3	1133.4	1143.4	1153.4	1167.5	1177.5	1191.5	1221.6	1239.7	1247.7	1255.7
67.5°	1574.7	1594.7	1612.8	1592.7	1582.7	1568.7	1572.7	1600.8	1618.8	1630.8	1628.8
65°	1973.9	1987.9	1987.9	1985.9	1977.9	1959.8	1969.9	2004.0	2024.0	2034.0	2004.0
62.5°	2443.3	2443.3	2433.2	2449.3	2451.3	2439.3	2433.2	2435.2	2437.2	2443.3	2393.1
60°	2768.2	2788.3	2794.3	2808.3	2812.4	2812.4	2822.4	2830.4	2830.4	2818.4	2760.2
57.5°	3197.5	3235.6	3243.6	3233.6	3213.6	3187.5	3183.5	3171.4	3147.4	3123.3	3095.2
55°	3630.8	3650.9	3648.8	3642.8	3622.8	3592.7	3596.7	3580.6	3542.5	3512.4	3474.3
52.5°	4066.1	4114.2	4122.3	4110.2	4082.1	4050.0	4052.0	4034.0	3995.9	3963.8	3911.6
50°	4621.7	4661.9	4657.8	4637.8	4597.7	4573.6	4575.6	4541.5	4497.4	4487.3	4419.1
47.5°	5257.6	5303.8	5295.7	5267.7	5213.5	5203.5	5213.5	5169.4	5143.3	5121.2	5041.0
45°	6092.1	6146.3	6116.2	6062.0	5975.8	5985.8	5999.8	5991.8	5935.6	5877.5	5775.2
42.5°	7071.0	7105.1	7069.0	7014.9	6906.5	6926.6	6918.6	6870.4	6836.3	6740.0	6609.6
40°	8118.1	8192.4	8136.2	8051.9	7939.6	7969.7	7947.6	7885.4	7805.2	7684.8	7520.4
37.5°	9247.5	9305.7	9241.5	9143.2	9042.9	9032.9	8988.7	8892.4	8778.1	8645.7	8382.9
35°	10328.7	10479.2	10360.8	10204.3	10082.0	10035.8	9993.7	9771.0	9640.7	9426.0	9067.0
32.5°	11133.1	11243.4	11097.0	10934.5	10786.1	10721.9	10573.4	10308.6	10238.4	9787.1	9458.1
30°	11343.7	11335.7	11183.2	11058.9	10898.4	10854.3	10581.5	10356.8	10132.1	9714.9	9401.9
27.5°	10842.2	10792.1	10645.6	10537.3	10378.9	10326.7	10057.9	9937.5	9590.5	9237.5	8972.7
25°	9724.9	9751.0	9640.7	9586.5	9482.2	9369.9	9263.5	9101.1	8884.4	8575.5	8332.8
22.5°	8844.3	8878.4	8832.3	8768.1	8687.8	8625.6	8545.4	8419.0	8210.4	8019.8	7791.2
20°	8354.8	8344.8	8304.7	8256.5	8180.3	8136.2	8047.9	7941.6	7781.1	7616.6	7369.9
17.5°	8098.1	8035.9	7997.8	7979.7	7939.6	7883.4	7779.1	7670.8	7546.4	7359.9	7179.3
15°	7907.5	7917.5	7887.4	7873.4	7841.3	7763.1	7656.8	7568.5	7400.0	7305.7	7141.2
12.5°	7895.5	7885.4	7887.4	7881.4	7841.3	7741.0	7686.8	7574.5	7466.2	7341.8	7153.3
10°	8037.9	7931.6	7939.6	7967.7	7903.5	7823.3	7765.1	7642.7	7540.4	7381.9	7195.4
7.5°	8029.9	7975.7	7991.8	7945.6	7965.7	7867.4	7787.1	7664.8	7536.4	7367.9	7199.4
5°	8078.0	7995.8	7981.7	7985.7	7935.6	7861.4	7753.0	7636.7	7516.3	7327.8	7155.3
2.5°	7967.7	7979.7	7915.5	7891.5	7885.4	7761.1	7660.8	7548.4	7424.1	7257.6	7103.1
0°	7885.4	7907.5	7841.3	7807.2	7805.2	7698.9	7634.7	7506.3	7418.1	7279.6	7093.1
-2.5°	7841.3	7867.4	7875.4	7813.2	7753.0	7670.8	7562.5	7424.1	7279.6	7119.2	6958.7
-5°	7845.3	7793.2	7771.1	7791.2	7739.0	7656.8	7536.4	7414.0	7271.6	7099.1	6898.5
-7.5°	7686.8	7634.7	7630.7	7620.7	7608.6	7530.4	7430.1	7297.7	7153.3	6992.8	6806.2
-10°	7450.1	7412.0	7402.0	7392.0	7359.9	7313.7	7219.5	7099.1	6968.7	6808.2	6609.6
-12.5°	7187.4	7169.3	7131.2	7105.1	7073.0	7018.9	6928.6	6818.3	6687.9	6545.5	6375.0
-15°	6896.5	6862.4	6824.3	6802.2	6756.1	6691.9	6601.6	6499.3	6356.9	6216.5	6056.0
-17.5°	6545.5	6503.3	6461.2	6455.2	6423.1	6324.8	6240.6	6116.2	5991.8	5857.4	5700.9
-20°	6132.2	6074.1	6046.0	6029.9	5985.8	5913.6	5823.3	5709.0	5588.6	5460.2	5279.7



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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°	5674.9	5624.7	5576.6	5546.5	5508.4	5452.2	5366.0	5265.7	5147.3	5002.9	4836.4
-25°	5155.3	5085.1	5055.0	5020.9	5000.9	4948.7	4864.5	4772.2	4649.8	4509.4	4350.9
-27.5°	4561.6	4505.4	4489.3	4441.2	4417.1	4363.0	4292.8	4206.5	4094.2	3961.8	3831.4
-30°	3905.6	3871.5	3845.4	3797.3	3779.2	3721.1	3674.9	3602.7	3500.4	3406.1	3301.8
-32.5°	3231.6	3197.5	3189.5	3167.4	3155.4	3117.3	3065.1	3013.0	2930.7	2860.5	2776.3
-35°	2633.8	2609.8	2611.8	2609.8	2597.7	2569.6	2505.4	2491.4	2431.2	2367.0	2312.9
-37.5°	2156.4	2158.4	2156.4	2154.4	2138.4	2126.3	2080.2	2062.1	2026.0	1963.8	1931.7
-40°	1797.3	1801.4	1799.3	1795.3	1777.3	1771.3	1741.2	1717.1	1703.1	1658.9	1624.8
-42.5°	1506.5	1512.5	1510.5	1508.5	1496.4	1494.4	1478.4	1450.3	1442.3	1416.2	1380.1
-45°	1285.8	1283.8	1279.8	1283.8	1277.8	1271.8	1261.8	1243.7	1233.7	1221.6	1191.5
-47.5°	1111.3	1113.3	1109.3	1109.3	1101.3	1095.3	1091.2	1079.2	1071.2	1061.2	1043.1
-50°	966.9	974.9	972.9	970.9	964.9	960.9	960.9	948.8	936.8	932.8	920.7
-52.5°	854.5	860.6	862.6	866.6	868.6	870.6	864.6	852.5	832.5	830.5	824.5
-55°	752.2	770.3	782.3	790.3	798.4	804.4	792.4	776.3	756.2	748.2	746.2
-57.5°	682.0	700.1	714.1	726.2	736.2	746.2	734.2	718.1	700.1	690.1	688.0
-60°	617.8	633.9	647.9	664.0	678.0	694.1	688.0	676.0	666.0	658.0	649.9
-62.5°	549.6	565.7	581.7	601.8	619.8	635.9	637.9	635.9	633.9	635.9	621.8
-65°	493.5	501.5	511.5	533.6	553.6	571.7	581.7	587.7	597.8	607.8	593.8
-67.5°	433.3	443.3	455.4	471.4	487.4	499.5	513.5	529.6	545.6	561.7	551.6
-70°	379.1	387.2	397.2	405.2	415.2	423.3	435.3	453.3	471.4	487.4	483.4
-72.5°	323.0	331.0	337.0	341.0	347.0	351.0	357.1	373.1	385.1	393.2	393.2
-75°	266.8	274.8	280.8	282.8	286.9	288.9	292.9	298.9	304.9	306.9	308.9
-77.5°	204.6	212.6	218.6	222.7	226.7	230.7	232.7	236.7	238.7	238.7	240.7
-80°	152.5	158.5	162.5	168.5	170.5	174.5	178.5	180.5	182.5	182.5	184.5
-82.5°	108.3	112.3	116.3	120.4	124.4	126.4	130.4	132.4	134.4	136.4	138.4
-85°	72.2	76.2	80.2	84.3	86.3	88.3	90.3	92.3	94.3	96.3	98.3
-87.5°	42.1	44.1	46.1	50.1	52.2	56.2	58.2	56.2	58.2	58.2	58.2
-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):

	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°	78.2	78.2	78.2	78.2	76.2	72.2	70.2	66.2	62.2	58.2	54.2
85°	162.5	164.5	164.5	164.5	160.5	158.5	152.5	146.4	138.4	126.4	116.3
82.5°	270.8	272.8	272.8	270.8	266.8	260.8	252.8	242.7	226.7	210.6	196.6
80°	407.2	409.2	409.2	407.2	397.2	387.2	377.1	365.1	345.0	323.0	298.9
77.5°	569.7	573.7	573.7	567.7	553.6	541.6	525.6	505.5	475.4	443.3	411.2
75°	758.3	768.3	770.3	764.3	746.2	724.2	698.1	664.0	617.8	577.7	539.6
72.5°	976.9	986.9	995.0	986.9	960.9	930.8	892.7	852.5	806.4	752.2	688.0
70°	1263.8	1273.8	1279.8	1253.7	1207.6	1157.4	1111.3	1065.2	1011.0	944.8	874.6
67.5°	1624.8	1614.8	1602.8	1550.6	1492.4	1432.3	1368.1	1299.9	1229.7	1159.4	1077.2
65°	1971.9	1943.8	1917.7	1855.5	1781.3	1703.1	1628.8	1552.6	1468.4	1380.1	1301.9
62.5°	2336.9	2276.8	2212.6	2136.4	2060.1	1973.9	1899.6	1809.4	1715.1	1606.8	1506.5
60°	2696.0	2623.8	2559.6	2465.3	2365.0	2248.7	2168.4	2080.2	1969.9	1853.5	1735.2
57.5°	3043.0	2964.8	2894.6	2812.4	2704.0	2577.7	2489.4	2375.1	2258.7	2112.3	1991.9
55°	3412.1	3333.9	3277.7	3185.5	3067.1	2950.8	2854.5	2734.1	2571.6	2415.2	2266.7
52.5°	3835.4	3773.2	3713.0	3618.8	3476.3	3358.0	3251.7	3117.3	2946.8	2754.2	2575.7
50°	4308.8	4276.7	4212.5	4102.2	3939.7	3835.4	3695.0	3516.5	3333.9	3131.3	2908.6
47.5°	4936.7	4884.5	4794.3	4673.9	4537.5	4381.0	4192.5	3983.8	3725.1	3500.4	3263.7
45°	5686.9	5590.6	5474.3	5311.8	5143.3	4966.8	4760.2	4495.4	4148.3	3855.5	3606.7
42.5°	6499.3	6368.9	6210.5	5997.8	5779.2	5562.5	5339.9	4978.8	4545.5	4208.5	3927.7
40°	7347.8	7181.3	6982.8	6673.8	6431.1	6152.3	5897.5	5357.9	4896.6	4531.5	4232.6
37.5°	8178.3	7967.7	7634.7	7259.6	6976.7	6748.1	6188.4	5610.7	5197.4	4796.3	4493.4
35°	8814.2	8635.7	8047.9	7658.8	7416.0	7055.0	6354.9	5763.1	5325.8	4992.8	4521.4
32.5°	9191.3	8730.0	8214.4	7821.2	7620.7	7028.9	6366.9	5807.3	5386.0	5012.9	4449.2
30°	9107.1	8549.4	8098.1	7769.1	7333.8	6802.2	6254.6	5739.1	5329.8	4878.5	4369.0
27.5°	8599.6	8168.3	7765.1	7422.1	6994.8	6517.4	6011.9	5558.5	5177.4	4740.1	4258.7
25°	8025.9	7634.7	7335.8	7036.9	6631.7	6176.4	5731.0	5404.1	5020.9	4589.6	4114.2
22.5°	7498.3	7217.5	6982.8	6669.8	6274.7	5877.5	5600.6	5261.6	4868.5	4431.2	3965.8
20°	7161.3	6970.7	6701.9	6356.9	6046.0	5797.2	5490.3	5131.3	4726.0	4268.7	3839.4
17.5°	6998.8	6778.1	6479.3	6254.6	6015.9	5743.1	5400.1	5018.9	4587.6	4194.5	3853.5
15°	6914.6	6681.9	6485.3	6264.6	5995.8	5709.0	5327.8	4932.7	4587.6	4224.6	3863.5
12.5°	6932.6	6732.0	6517.4	6276.7	5987.8	5680.9	5335.9	4968.8	4611.7	4246.6	3865.5
10°	6988.8	6778.1	6549.5	6282.7	5991.8	5688.9	5357.9	4990.8	4623.7	4256.7	3861.5
7.5°	7008.8	6780.2	6535.4	6266.6	5981.8	5684.9	5361.9	4996.9	4625.8	4254.6	3849.4
5°	6946.6	6740.0	6503.3	6232.5	5953.7	5664.8	5345.9	4988.8	4609.7	4234.6	3819.4
2.5°	6862.4	6695.9	6469.2	6208.5	5925.6	5636.8	5319.8	4952.7	4573.6	4198.5	3781.2
0°	6848.4	6641.7	6413.1	6180.4	5879.5	5574.6	5259.6	4884.5	4507.4	4130.3	3715.0
-2.5°	6756.1	6537.4	6308.8	6056.0	5791.2	5484.3	5153.3	4786.2	4413.1	4042.0	3642.8
-5°	6685.9	6443.2	6200.4	5927.6	5660.8	5353.9	5010.9	4653.8	4288.7	3927.7	3542.5
-7.5°	6591.6	6342.9	6088.1	5803.3	5514.4	5201.5	4862.5	4505.4	4146.3	3787.3	3418.2
-10°	6401.0	6182.4	5943.7	5648.8	5343.9	5031.0	4694.0	4342.9	3983.8	3620.8	3249.7
-12.5°	6170.3	5939.7	5678.9	5408.1	5135.3	4844.4	4507.4	4162.4	3801.3	3436.2	3067.1
-15°	5871.5	5644.8	5378.0	5113.2	4850.4	4571.6	4274.7	3963.8	3596.7	3237.6	2868.5
-17.5°	5498.3	5285.7	5047.0	4794.3	4533.5	4252.6	3963.8	3701.0	3358.0	3021.0	2655.9
-20°	5097.2	4898.6	4683.9	4445.2	4184.4	3909.6	3636.8	3362.0	3065.1	2768.2	2429.2



REPORT NUMBER: P722199

CATALOG NUMBER: IFLD-S-SA3D-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°	4679.9	4479.3	4262.7	4040.0	3799.3	3544.5	3291.8	3029.0	2768.2	2499.4	2212.6
-25°	4198.5	4022.0	3823.4	3606.7	3392.1	3169.4	2928.7	2690.0	2467.3	2234.6	1999.9
-27.5°	3695.0	3532.5	3352.0	3163.4	2978.9	2792.3	2583.7	2363.0	2178.5	1985.9	1791.3
-30°	3165.4	3035.0	2888.6	2724.1	2581.7	2431.2	2256.7	2074.2	1905.7	1759.2	1602.8
-32.5°	2663.9	2553.6	2449.3	2341.0	2200.5	2084.2	1963.8	1829.4	1681.0	1542.6	1430.3
-35°	2232.6	2114.3	2070.2	1989.9	1889.6	1787.3	1699.1	1602.8	1490.4	1368.1	1275.8
-37.5°	1869.6	1799.3	1737.2	1693.0	1626.8	1544.6	1474.4	1404.2	1317.9	1225.6	1133.4
-40°	1586.7	1538.6	1470.4	1448.3	1406.2	1350.0	1277.8	1223.6	1165.5	1095.3	1017.0
-42.5°	1360.0	1323.9	1279.8	1241.7	1223.6	1183.5	1127.4	1075.2	1029.1	980.9	920.7
-45°	1173.5	1149.4	1121.3	1087.2	1073.2	1041.1	1001.0	942.8	916.7	876.6	832.5
-47.5°	1023.0	1011.0	990.9	968.9	948.8	924.7	888.6	852.5	816.4	790.3	756.2
-50°	904.7	896.7	884.6	866.6	840.5	824.5	800.4	768.3	734.2	712.1	688.0
-52.5°	810.4	802.4	794.4	780.3	760.3	744.2	724.2	698.1	670.0	647.9	627.9
-55°	738.2	726.2	720.1	708.1	692.1	674.0	655.9	637.9	613.8	593.8	573.7
-57.5°	682.0	666.0	658.0	647.9	631.9	613.8	599.8	581.7	565.7	543.6	525.6
-60°	637.9	619.8	603.8	593.8	579.7	561.7	547.6	533.6	517.5	499.5	477.4
-62.5°	601.8	579.7	557.7	545.6	531.6	515.5	501.5	487.4	471.4	453.3	433.3
-65°	567.7	541.6	513.5	501.5	487.4	471.4	453.3	443.3	429.3	413.2	393.2
-67.5°	525.6	497.5	473.4	459.4	445.3	431.3	415.2	405.2	391.2	371.1	351.0
-70°	463.4	445.3	429.3	417.2	405.2	393.2	377.1	361.1	345.0	327.0	308.9
-72.5°	385.1	379.1	377.1	371.1	357.1	343.0	327.0	310.9	296.9	282.8	268.8
-75°	310.9	314.9	318.9	316.9	302.9	288.9	274.8	260.8	250.7	238.7	226.7
-77.5°	246.7	250.7	254.8	254.8	244.7	236.7	226.7	216.6	208.6	198.6	186.6
-80°	190.6	196.6	202.6	206.6	198.6	192.6	184.5	176.5	168.5	160.5	152.5
-82.5°	144.4	150.4	156.5	160.5	154.5	150.4	144.4	138.4	132.4	124.4	118.4
-85°	104.3	108.3	112.3	114.3	110.3	106.3	102.3	98.3	94.3	88.3	84.3
-87.5°	60.2	62.2	64.2	66.2	62.2	58.2	56.2	52.2	50.1	46.1	44.1
-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-S-SA3D-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°	50.1	46.1	42.1	40.1	36.1	30.1	26.1	22.1	18.1	14.0	12.0
85°	106.3	96.3	84.3	78.2	70.2	62.2	54.2	46.1	38.1	30.1	22.1
82.5°	182.5	170.5	158.5	144.4	126.4	104.3	82.2	68.2	56.2	44.1	34.1
80°	274.8	252.8	232.7	214.6	194.6	166.5	136.4	108.3	76.2	58.2	44.1
77.5°	381.1	355.1	327.0	296.9	264.8	226.7	192.6	156.5	118.4	80.2	56.2
75°	501.5	467.4	429.3	387.2	345.0	294.9	246.7	204.6	160.5	112.3	68.2
72.5°	635.9	593.8	547.6	491.5	425.3	367.1	308.9	252.8	200.6	142.4	92.3
70°	808.4	742.2	674.0	613.8	529.6	437.3	369.1	304.9	238.7	174.5	116.3
67.5°	993.0	912.7	830.5	742.2	635.9	527.6	429.3	357.1	278.8	204.6	138.4
65°	1193.5	1093.2	988.9	890.6	744.2	615.8	505.5	407.2	316.9	232.7	160.5
62.5°	1400.2	1281.8	1161.5	1033.1	864.6	706.1	577.7	463.4	353.0	258.8	180.5
60°	1620.8	1482.4	1336.0	1175.5	978.9	804.4	645.9	521.6	391.2	284.8	202.6
57.5°	1853.5	1703.1	1530.5	1313.9	1097.3	898.7	724.2	573.7	425.3	308.9	218.6
55°	2106.3	1933.7	1745.2	1458.3	1213.6	993.0	802.4	625.9	461.4	329.0	234.7
52.5°	2379.1	2178.5	1939.8	1610.8	1336.0	1089.2	874.6	672.0	495.5	351.0	248.7
50°	2684.0	2431.2	2110.3	1751.2	1442.3	1179.5	946.8	722.1	523.6	375.1	260.8
47.5°	3000.9	2728.1	2262.7	1881.6	1550.6	1267.8	1021.0	766.3	551.6	395.2	272.8
45°	3331.9	2934.7	2421.2	1997.9	1644.9	1348.0	1077.2	806.4	585.7	413.2	282.8
42.5°	3658.9	3091.2	2559.6	2114.3	1733.2	1420.2	1123.3	844.5	613.8	431.3	292.9
40°	3813.3	3209.5	2669.9	2194.5	1807.4	1484.4	1163.5	878.6	637.9	443.3	302.9
37.5°	3877.5	3281.8	2742.2	2270.8	1865.5	1518.5	1197.6	908.7	658.0	455.4	310.9
35°	3891.6	3307.8	2778.3	2322.9	1913.7	1550.6	1223.6	930.8	674.0	467.4	318.9
32.5°	3865.5	3299.8	2788.3	2341.0	1943.8	1574.7	1241.7	946.8	686.0	479.4	327.0
30°	3807.3	3257.7	2752.2	2339.0	1965.8	1588.7	1253.7	958.9	698.1	487.4	331.0
27.5°	3713.0	3183.5	2706.0	2341.0	1977.9	1594.7	1259.7	964.9	706.1	493.5	339.0
25°	3596.7	3083.2	2708.0	2336.9	1979.9	1596.7	1259.7	964.9	708.1	495.5	345.0
22.5°	3462.3	3083.2	2708.0	2330.9	1967.8	1592.7	1253.7	960.9	708.1	499.5	351.0
20°	3470.3	3085.2	2702.0	2318.9	1949.8	1580.7	1239.7	950.8	702.1	505.5	355.1
17.5°	3476.3	3081.2	2690.0	2302.8	1925.7	1560.6	1221.6	936.8	702.1	511.5	357.1
15°	3476.3	3069.1	2671.9	2278.8	1895.6	1532.6	1195.6	924.7	704.1	513.5	361.1
12.5°	3470.3	3047.1	2643.9	2246.7	1859.5	1498.5	1179.5	920.7	704.1	515.5	361.1
10°	3458.3	3017.0	2607.8	2206.6	1825.4	1486.4	1171.5	912.7	700.1	515.5	361.1
7.5°	3436.2	2980.9	2577.7	2182.5	1805.4	1472.4	1159.4	900.7	694.1	511.5	365.1
5°	3402.1	2960.8	2553.6	2154.4	1777.3	1462.3	1151.4	890.6	690.1	511.5	361.1
2.5°	3358.0	2936.7	2525.5	2118.3	1745.2	1428.2	1125.3	868.6	676.0	503.5	357.1
0°	3285.8	2888.6	2477.4	2068.1	1701.1	1394.1	1099.3	846.5	662.0	495.5	353.0
-2.5°	3219.6	2824.4	2415.2	2016.0	1658.9	1364.1	1079.2	834.5	655.9	493.5	351.0
-5°	3127.3	2736.1	2332.9	1947.8	1602.8	1334.0	1059.1	820.4	649.9	489.5	351.0
-7.5°	3025.0	2643.9	2246.7	1877.6	1546.6	1281.8	1021.0	798.4	635.9	481.4	349.0
-10°	2866.5	2505.4	2138.4	1797.3	1486.4	1235.7	988.9	778.3	623.9	473.4	341.0
-12.5°	2698.0	2353.0	2014.0	1699.1	1418.2	1187.5	952.8	756.2	609.8	465.4	337.0
-15°	2519.5	2196.5	1883.6	1596.7	1344.0	1129.4	914.7	732.2	595.8	455.4	331.0
-17.5°	2332.9	2032.0	1749.2	1492.4	1269.8	1069.2	874.6	710.1	579.7	445.3	325.0
-20°	2136.4	1863.5	1612.8	1386.1	1191.5	1009.0	832.5	684.0	561.7	433.3	316.9



REPORT NUMBER: P722199
 CATALOG NUMBER: IFLD-S-SA3D-830-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1941.8	1697.0	1472.4	1281.8	1111.3	946.8	790.3	658.0	541.6	419.2	310.9
-25°	1769.3	1540.6	1348.0	1181.5	1033.1	886.6	746.2	631.9	519.5	405.2	302.9
-27.5°	1600.8	1406.2	1225.6	1087.2	956.8	828.5	704.1	603.8	497.5	389.2	294.9
-30°	1444.3	1277.8	1129.4	995.0	884.6	776.3	668.0	575.7	473.4	373.1	284.8
-32.5°	1301.9	1167.5	1043.1	914.7	816.4	724.2	633.9	547.6	449.3	357.1	274.8
-35°	1169.5	1065.2	956.8	848.5	748.2	676.0	597.8	517.5	427.3	339.0	264.8
-37.5°	1051.1	966.9	880.6	788.3	702.1	629.9	563.7	487.4	405.2	323.0	254.8
-40°	948.8	880.6	804.4	730.2	658.0	589.8	529.6	457.4	383.1	310.9	244.7
-42.5°	854.5	802.4	740.2	678.0	613.8	553.6	495.5	425.3	361.1	296.9	234.7
-45°	782.3	730.2	680.0	623.9	569.7	517.5	459.4	397.2	341.0	280.8	224.7
-47.5°	714.1	668.0	621.8	575.7	531.6	483.4	425.3	373.1	318.9	266.8	216.6
-50°	653.9	609.8	569.7	529.6	491.5	445.3	391.2	349.0	300.9	252.8	206.6
-52.5°	597.8	559.7	519.5	487.4	455.4	409.2	365.1	325.0	282.8	236.7	196.6
-55°	547.6	511.5	475.4	445.3	415.2	375.1	339.0	304.9	264.8	224.7	186.6
-57.5°	499.5	469.4	435.3	407.2	377.1	345.0	314.9	282.8	246.7	212.6	176.5
-60°	455.4	427.3	397.2	369.1	343.0	316.9	288.9	262.8	230.7	198.6	166.5
-62.5°	411.2	387.2	361.1	333.0	312.9	288.9	266.8	240.7	214.6	186.6	148.4
-65°	371.1	349.0	325.0	300.9	282.8	264.8	244.7	220.7	198.6	172.5	132.4
-67.5°	331.0	310.9	290.9	270.8	254.8	240.7	220.7	202.6	184.5	156.5	116.3
-70°	292.9	276.8	258.8	242.7	230.7	214.6	200.6	184.5	168.5	136.4	98.3
-72.5°	256.8	240.7	226.7	214.6	204.6	190.6	178.5	166.5	144.4	114.3	82.2
-75°	214.6	204.6	196.6	186.6	176.5	166.5	156.5	142.4	120.4	92.3	64.2
-77.5°	176.5	170.5	164.5	156.5	148.4	140.4	128.4	114.3	96.3	72.2	52.2
-80°	144.4	138.4	134.4	126.4	120.4	112.3	100.3	88.3	70.2	56.2	42.1
-82.5°	110.3	106.3	102.3	98.3	92.3	84.3	72.2	62.2	52.2	42.1	32.1
-85°	78.2	76.2	72.2	68.2	62.2	56.2	48.1	42.1	36.1	28.1	22.1
-87.5°	40.1	38.1	36.1	34.1	32.1	28.1	24.1	20.1	18.1	14.0	10.0
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	8.0	6.0	2.0	0.0
85°	16.0	10.0	4.0	0.0
82.5°	24.1	16.0	6.0	0.0
80°	32.1	20.1	10.0	0.0
77.5°	40.1	24.1	12.0	0.0
75°	48.1	30.1	14.0	0.0
72.5°	54.2	34.1	16.0	0.0
70°	64.2	40.1	18.1	0.0
67.5°	80.2	44.1	20.1	0.0
65°	94.3	48.1	22.1	0.0
62.5°	110.3	52.2	24.1	0.0
60°	124.4	56.2	26.1	0.0
57.5°	138.4	66.2	28.1	0.0
55°	150.4	74.2	30.1	0.0
52.5°	164.5	82.2	32.1	0.0
50°	176.5	90.3	34.1	0.0
47.5°	186.6	98.3	34.1	0.0
45°	194.6	104.3	36.1	0.0
42.5°	200.6	110.3	38.1	0.0
40°	206.6	116.3	40.1	0.0
37.5°	212.6	122.4	40.1	0.0
35°	218.6	128.4	42.1	0.0
32.5°	224.7	134.4	42.1	0.0
30°	228.7	138.4	44.1	0.0
27.5°	234.7	142.4	44.1	0.0
25°	236.7	146.4	46.1	0.0
22.5°	240.7	148.4	46.1	0.0
20°	244.7	152.5	46.1	0.0
17.5°	246.7	154.5	48.1	0.0
15°	246.7	156.5	50.1	0.0
12.5°	248.7	158.5	50.1	0.0
10°	248.7	162.5	48.1	0.0
7.5°	252.8	160.5	48.1	0.0
5°	250.7	160.5	48.1	0.0
2.5°	248.7	158.5	48.1	0.0
0°	246.7	158.5	48.1	0.0
-2.5°	246.7	158.5	48.1	0.0
-5°	246.7	158.5	48.1	0.0
-7.5°	244.7	160.5	48.1	0.0
-10°	240.7	160.5	48.1	0.0
-12.5°	238.7	154.5	48.1	0.0
-15°	236.7	152.5	48.1	0.0
-17.5°	232.7	150.4	46.1	0.0
-20°	228.7	148.4	46.1	0.0



REPORT NUMBER: P722199

CATALOG NUMBER: IFLD-S-SA3D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	224.7	144.4	46.1	0.0
-25°	220.7	140.4	44.1	0.0
-27.5°	216.6	136.4	44.1	0.0
-30°	210.6	132.4	42.1	0.0
-32.5°	204.6	128.4	42.1	0.0
-35°	200.6	122.4	40.1	0.0
-37.5°	194.6	116.3	40.1	0.0
-40°	188.6	110.3	38.1	0.0
-42.5°	182.5	104.3	36.1	0.0
-45°	174.5	98.3	36.1	0.0
-47.5°	168.5	92.3	34.1	0.0
-50°	158.5	84.3	32.1	0.0
-52.5°	146.4	76.2	30.1	0.0
-55°	134.4	70.2	28.1	0.0
-57.5°	122.4	62.2	28.1	0.0
-60°	110.3	54.2	26.1	0.0
-62.5°	98.3	50.1	24.1	0.0
-65°	86.3	46.1	22.1	0.0
-67.5°	72.2	40.1	20.1	0.0
-70°	60.2	36.1	18.1	0.0
-72.5°	52.2	32.1	16.0	0.0
-75°	44.1	28.1	14.0	0.0
-77.5°	38.1	24.1	12.0	0.0
-80°	30.1	18.1	8.0	0.0
-82.5°	22.1	14.0	6.0	0.0
-85°	14.0	10.0	4.0	0.0
-87.5°	8.0	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)