

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: P722613

Luminaire Tested: **IFLD-M-SA4B-830-U-76-VI**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722613
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-830-U-76-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema
7x6 Flood distribution lens with Visor
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18557.1 lumens	Max Intensity:	12954.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	111.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	68.6°H x 68.4°V	Field Angle (10%):	111.9°H x 109.7°V
Beam Lumens:	11838.6 lumens	Field Lumens:	17495.2 lumens
Beam Efficiency:	63.8%	Field Efficiency:	94.3%

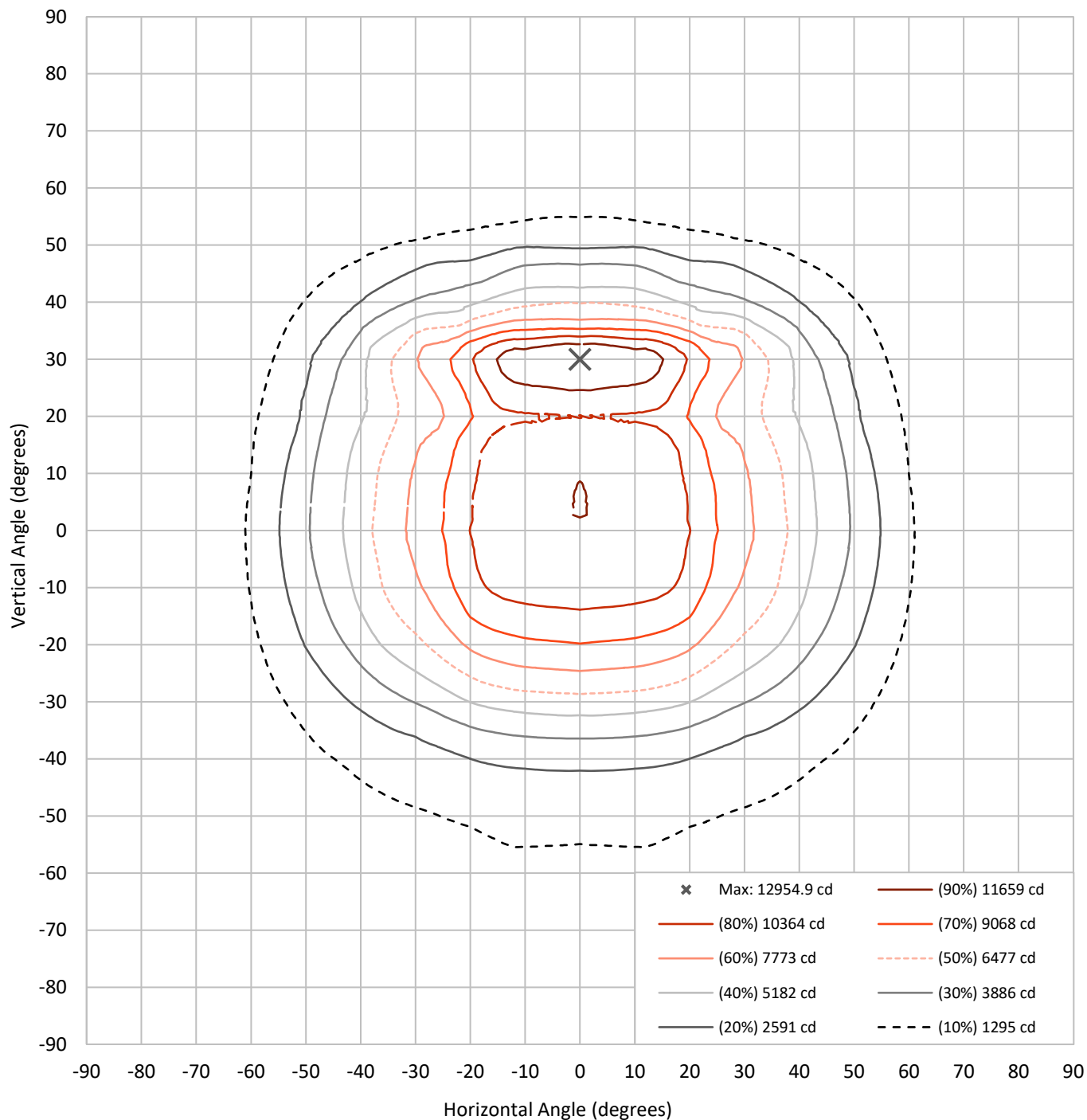
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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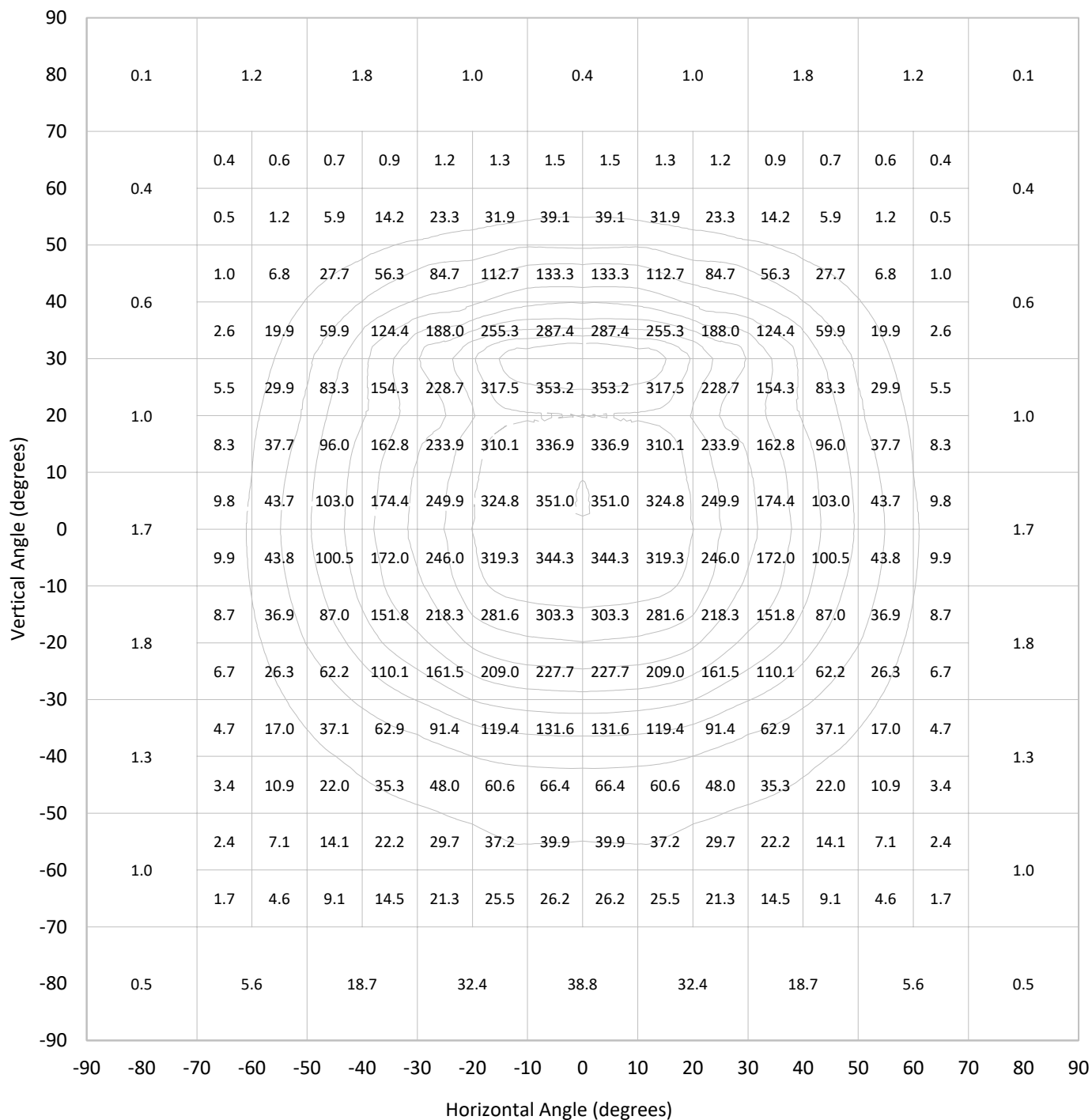
Iso-Candela Plot



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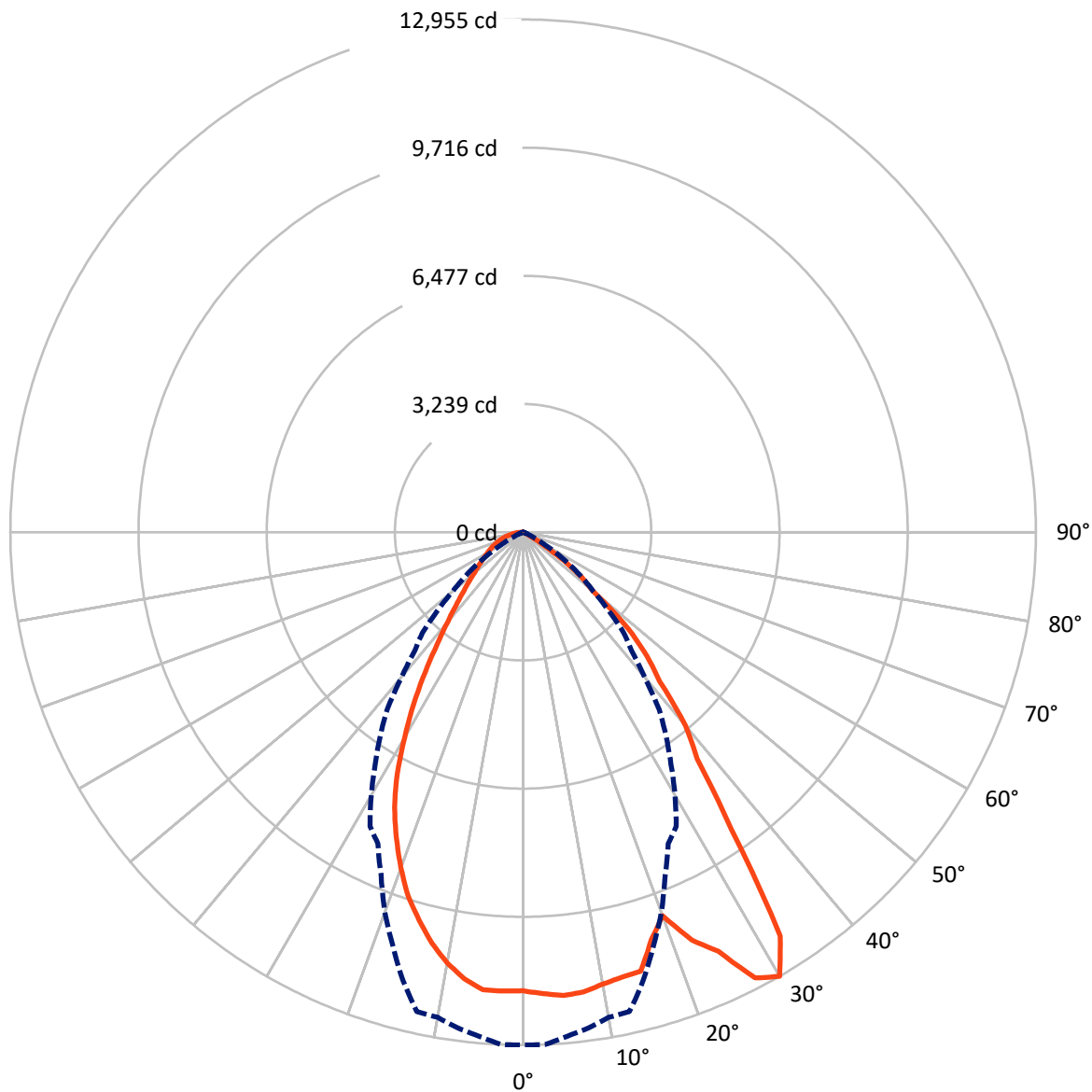
Lumen Table



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Luminous Intensity Polar Plot



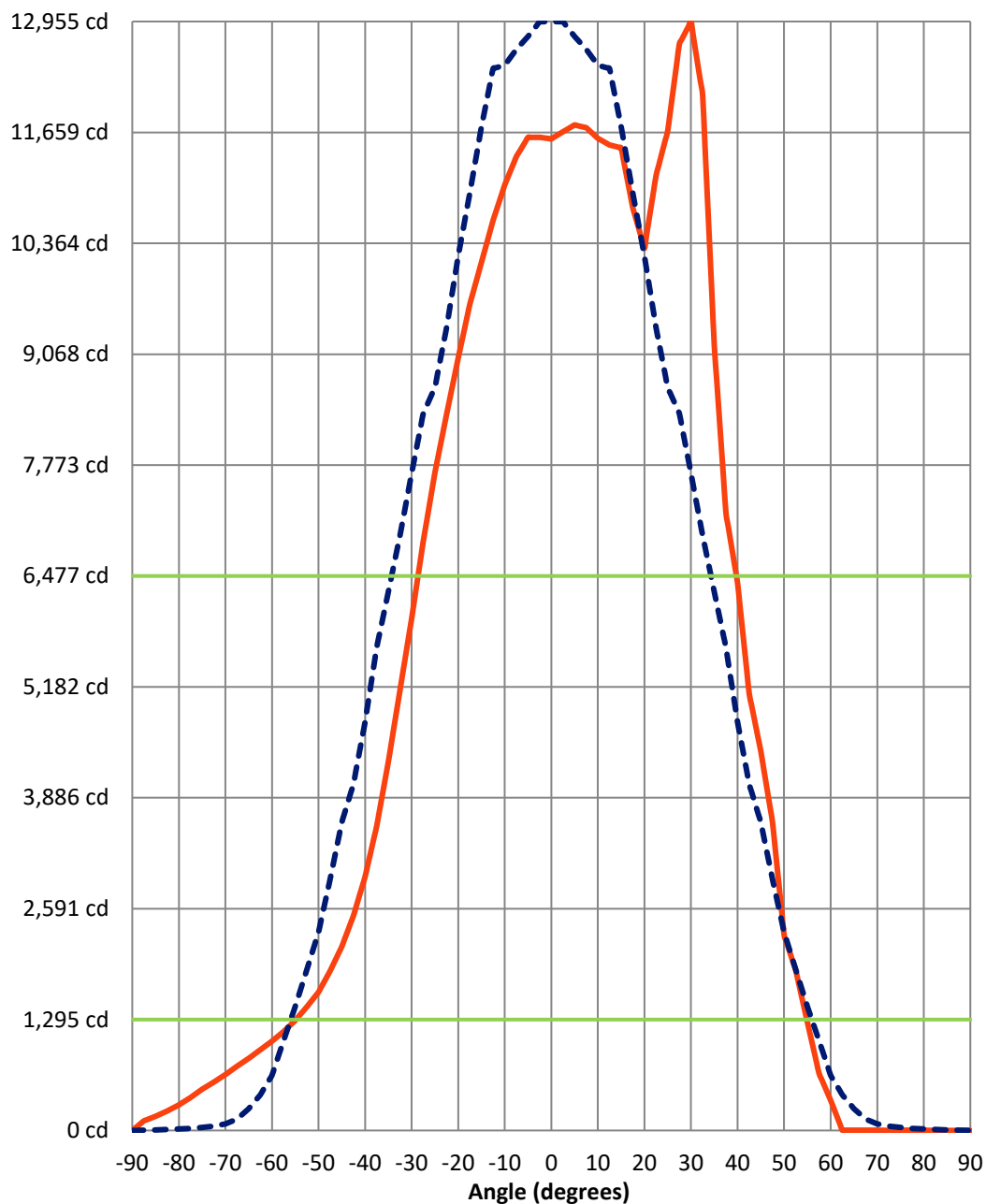
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:

H Angle: 68.6°

V Angle: 68.4°

Lumens: 11838.6

Efficiency: 63.8%

Field:

H Angle: 111.9°

V Angle: 109.7°

Lumens: 17495.2

Efficiency: 94.3%

Spill:

Lumens: 1061.9

Efficiency: 5.7%

— 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°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	3.0	3.0	3.0	5.9	5.9	5.9	5.9	5.9	5.9	8.9
82.5°	0.0	3.0	3.0	3.0	5.9	5.9	5.9	5.9	8.9	8.9	11.8
80°	3.0	3.0	3.0	3.0	5.9	5.9	5.9	8.9	8.9	11.8	11.8
77.5°	3.0	3.0	3.0	5.9	5.9	5.9	8.9	8.9	11.8	11.8	14.8
75°	3.0	3.0	3.0	5.9	5.9	8.9	8.9	8.9	11.8	11.8	14.8
72.5°	0.0	3.0	3.0	5.9	5.9	8.9	8.9	8.9	11.8	11.8	11.8
70°	3.0	3.0	3.0	5.9	5.9	8.9	8.9	8.9	11.8	11.8	11.8
67.5°	3.0	3.0	3.0	5.9	5.9	8.9	8.9	11.8	11.8	11.8	14.8
65°	3.0	3.0	3.0	5.9	8.9	8.9	11.8	14.8	14.8	17.7	20.7
62.5°	3.0	5.9	5.9	8.9	11.8	14.8	32.5	50.2	50.2	35.5	29.5
60°	351.6	381.1	378.2	342.7	298.4	251.1	242.3	233.4	215.7	189.1	197.9
57.5°	667.7	703.1	717.9	709.0	685.4	644.1	620.4	593.8	558.4	517.0	469.7
55°	1264.5	1279.2	1246.7	1184.7	1116.8	1048.8	1025.2	989.7	936.5	883.4	812.5
52.5°	1870.1	1920.3	1905.6	1843.5	1751.9	1630.8	1497.9	1394.5	1332.4	1273.3	1202.4
50°	2283.7	2304.4	2345.8	2419.6	2446.2	2363.5	2147.8	1870.1	1672.2	1772.6	1695.8
47.5°	3604.3	3707.7	3687.1	3633.9	3545.2	3320.7	3019.4	2771.2	2564.4	2496.4	2508.3
45°	4428.6	4470.0	4455.2	4431.6	4390.2	4180.4	3846.6	3465.5	3273.4	3196.6	3116.9
42.5°	5105.2	5149.5	5158.3	5161.3	5117.0	4924.9	4623.6	4242.5	4050.4	3828.9	3654.6
40°	6396.2	6461.2	6387.3	6289.9	6142.1	5923.5	5628.1	5276.5	4936.8	4664.9	4458.1
37.5°	7220.5	7300.2	7329.8	7323.9	7291.4	7196.8	6833.5	6499.6	5979.6	5371.0	5480.4
35°	9176.3	9259.0	9235.4	9146.7	9099.5	8999.0	8644.5	8248.6	7595.7	6933.9	6756.6
32.5°	12092.2	12272.5	11935.7	11566.4	11338.9	11418.6	11058.2	10089.2	9787.8	8594.3	8041.8
30°	12954.9	12952.0	12780.6	12629.9	12443.8	12405.4	11725.9	10951.8	10213.3	9377.2	8679.9
27.5°	12692.0	12638.8	12494.0	12384.7	12210.4	12118.8	11454.1	10839.6	9985.8	9238.3	8564.7
25°	11678.6	11720.0	11572.3	11551.6	11483.6	11306.4	10975.5	10284.2	9521.9	8694.7	8210.2
22.5°	11155.7	11140.9	10963.7	10860.3	10943.0	10753.9	10621.0	9923.7	9129.0	8431.8	7849.8
20°	10304.8	10307.8	10263.5	10254.6	10204.4	10118.7	10012.4	9519.0	8957.6	8360.9	7660.7
17.5°	10780.5	10901.6	10954.8	10514.6	10638.7	10541.2	10428.9	9740.6	9318.1	8789.2	7876.3
15°	11477.7	11433.4	11380.2	11356.6	11288.6	11197.1	10993.2	10443.7	9716.9	9170.4	8458.4
12.5°	11513.2	11427.5	11406.8	11403.9	11333.0	11205.9	11008.0	10553.0	9909.0	9244.2	8665.2
10°	11590.0	11501.4	11489.5	11504.3	11395.0	11315.2	11117.3	10694.8	9968.0	9371.3	8824.7
7.5°	11714.1	11566.4	11634.3	11590.0	11539.8	11412.7	11200.0	10786.4	10183.7	9539.7	8966.5
5°	11746.6	11584.1	11657.9	11616.6	11542.7	11418.6	11188.2	10845.5	10316.7	9607.6	9022.6
2.5°	11666.8	11619.5	11587.0	11510.2	11477.7	11341.8	11123.2	10756.9	10254.6	9578.1	9010.8
0°	11584.1	11625.4	11551.6	11474.8	11460.0	11350.7	11164.6	10833.7	10399.4	9660.8	9111.3
-2.5°	11601.8	11569.3	11519.1	11439.3	11362.5	11205.9	11037.5	10727.3	10260.5	9480.6	8969.5
-5°	11601.8	11451.1	11457.0	11460.0	11383.2	11220.7	11016.8	10753.9	10177.8	9477.6	8928.1
-7.5°	11377.3	11247.3	11226.6	11208.9	11188.2	11037.5	10878.0	10550.1	10038.9	9400.8	8812.9
-10°	11046.4	10919.3	10931.2	10904.6	10839.6	10739.1	10618.0	10322.6	9903.0	9158.5	8579.5
-12.5°	10632.8	10576.6	10544.1	10499.8	10434.8	10346.2	10222.1	9944.4	9495.3	8860.2	8310.6
-15°	10142.4	10101.0	10071.4	10044.9	9950.3	9858.7	9696.2	9439.2	9158.5	8476.1	7914.8
-17.5°	9651.9	9548.5	9507.2	9471.7	9409.7	9261.9	9114.2	8922.2	8529.3	7988.6	7507.1
-20°	9022.6	8960.6	8910.4	8863.1	8774.5	8659.3	8538.1	8316.6	7976.8	7539.6	7040.3

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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°	8363.8	8328.4	8287.0	8227.9	8168.8	8059.5	7891.1	7678.4	7412.5	6939.8	6473.0
-25°	7684.3	7616.4	7566.1	7510.0	7462.7	7362.3	7199.8	6995.9	6662.1	6254.4	5864.4
-27.5°	6883.7	6818.7	6792.1	6727.1	6685.7	6594.2	6431.7	6242.6	5941.2	5598.5	5202.6
-30°	5979.6	5991.5	5961.9	5899.9	5849.7	5731.5	5607.4	5447.9	5211.5	4883.6	4529.0
-32.5°	5143.6	5158.3	5122.9	5057.9	4992.9	4907.2	4792.0	4647.2	4470.0	4156.8	3849.5
-35°	4307.5	4301.6	4272.0	4233.6	4189.3	4118.4	3988.4	3879.1	3675.2	3456.6	3243.9
-37.5°	3557.1	3571.8	3563.0	3542.3	3492.1	3433.0	3326.6	3226.2	3075.5	2883.5	2718.0
-40°	2963.2	2981.0	2969.1	2948.5	2904.1	2868.7	2797.8	2709.2	2588.0	2422.6	2283.7
-42.5°	2508.3	2520.1	2505.3	2487.6	2449.2	2422.6	2366.4	2292.6	2192.1	2065.1	1941.0
-45°	2147.8	2150.8	2136.0	2124.2	2094.6	2062.1	2014.9	1955.8	1876.0	1787.4	1686.9
-47.5°	1864.2	1861.3	1846.5	1834.7	1811.0	1781.5	1743.1	1689.9	1627.9	1559.9	1480.1
-50°	1616.0	1630.8	1624.9	1613.1	1595.4	1574.7	1536.3	1480.1	1418.1	1367.9	1311.7
-52.5°	1444.7	1447.6	1444.7	1444.7	1441.7	1427.0	1382.6	1326.5	1258.6	1214.2	1167.0
-55°	1285.2	1299.9	1305.8	1311.7	1314.7	1314.7	1261.5	1202.4	1137.4	1093.1	1057.7
-57.5°	1155.2	1164.0	1169.9	1184.7	1196.5	1205.4	1158.1	1104.9	1054.7	1013.3	980.9
-60°	1042.9	1054.7	1063.6	1078.3	1087.2	1093.1	1063.6	1028.1	998.6	972.0	924.7
-62.5°	942.4	951.3	960.2	969.0	977.9	983.8	972.0	954.3	939.5	927.7	868.6
-65°	842.0	850.9	859.7	871.5	880.4	886.3	883.4	871.5	859.7	847.9	794.7
-67.5°	750.4	759.3	771.1	774.0	780.0	782.9	777.0	768.1	753.4	738.6	697.2
-70°	652.9	658.8	664.7	664.7	664.7	661.8	655.9	644.1	629.3	608.6	576.1
-72.5°	564.3	570.2	576.1	567.2	561.3	552.5	543.6	528.8	514.1	499.3	481.6
-75°	481.6	484.5	484.5	472.7	463.8	455.0	443.2	434.3	419.5	407.7	392.9
-77.5°	384.1	384.1	384.1	375.2	369.3	363.4	354.5	345.7	333.8	325.0	313.2
-80°	298.4	298.4	298.4	295.4	286.6	280.7	274.8	268.8	260.0	254.1	248.2
-82.5°	227.5	227.5	227.5	224.5	218.6	215.7	209.8	203.9	200.9	195.0	192.0
-85°	165.4	168.4	168.4	165.4	162.5	156.6	153.6	150.7	147.7	144.8	138.9
-87.5°	112.3	112.3	112.3	109.3	106.4	106.4	103.4	97.5	91.6	88.6	85.7
-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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	8.9	8.9	8.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	8.9
82.5°	14.8	14.8	17.7	17.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
80°	14.8	17.7	20.7	23.6	26.6	29.5	29.5	29.5	29.5	26.6	26.6
77.5°	17.7	17.7	20.7	23.6	26.6	29.5	32.5	35.5	32.5	32.5	32.5
75°	17.7	20.7	20.7	23.6	26.6	29.5	32.5	35.5	35.5	35.5	35.5
72.5°	14.8	17.7	20.7	23.6	23.6	26.6	29.5	29.5	32.5	32.5	35.5
70°	14.8	17.7	20.7	20.7	23.6	23.6	26.6	29.5	29.5	32.5	32.5
67.5°	17.7	20.7	20.7	23.6	26.6	26.6	26.6	29.5	29.5	32.5	32.5
65°	20.7	23.6	23.6	26.6	29.5	29.5	32.5	32.5	32.5	35.5	35.5
62.5°	35.5	35.5	35.5	32.5	35.5	35.5	35.5	38.4	38.4	35.5	38.4
60°	183.2	132.9	91.6	115.2	103.4	47.3	47.3	47.3	44.3	44.3	41.4
57.5°	431.3	401.8	345.7	292.5	262.9	233.4	144.8	59.1	59.1	53.2	47.3
55°	720.9	623.4	582.0	511.1	434.3	398.8	330.9	224.5	106.4	70.9	62.0
52.5°	1116.8	1025.2	918.8	774.0	670.6	587.9	531.8	422.5	283.6	150.7	94.5
50°	1494.9	1453.5	1388.6	1246.7	1031.1	892.2	800.6	676.6	508.2	310.2	177.3
47.5°	2407.8	2062.1	1852.4	1743.1	1562.9	1299.9	1122.7	983.8	780.0	522.9	313.2
45°	3031.2	2812.6	2478.7	2248.3	1982.4	1704.7	1474.2	1314.7	1072.4	782.9	490.4
42.5°	3565.9	3376.8	3075.5	2738.7	2458.0	2094.6	1799.2	1589.5	1385.6	1069.5	732.7
40°	4254.3	4029.8	3740.2	3412.3	3084.4	2620.5	2141.9	1887.8	1663.3	1382.6	989.7
37.5°	5388.8	4992.9	4520.2	4156.8	3728.4	3335.5	2679.6	2230.5	1964.7	1672.2	1291.1
35°	6753.7	6319.4	5530.6	5049.0	4475.9	3890.9	3300.0	2635.3	2257.1	1946.9	1568.8
32.5°	8024.1	7388.9	6378.5	5814.2	5433.1	4354.7	3743.2	3167.1	2558.5	2177.4	1728.3
30°	8375.6	7675.5	6951.6	6292.8	5642.8	4771.3	4047.5	3598.4	2936.6	2316.2	1879.0
27.5°	8021.1	7539.6	6978.2	6366.7	5663.5	4916.1	4233.6	3805.2	3214.4	2410.8	1997.2
25°	7660.7	7158.4	6765.5	6254.4	5604.4	4907.2	4239.5	3935.2	3430.0	2593.9	2062.1
22.5°	7279.6	6966.4	6641.4	6071.2	5456.7	4933.8	4431.6	4047.5	3542.3	2800.7	2088.7
20°	7300.2	7096.4	6738.9	5976.7	5430.1	5090.4	4662.0	4189.3	3663.4	2981.0	2109.4
17.5°	7631.1	7365.2	6916.2	6254.4	5669.4	5249.9	4854.0	4384.3	3787.5	3140.5	2360.5
15°	8038.8	7634.1	7164.3	6582.3	5920.6	5424.2	5001.7	4520.2	3929.3	3288.2	2585.1
12.5°	8334.3	7758.2	7318.0	6792.1	6192.4	5613.3	5099.2	4623.6	4062.3	3409.3	2753.5
10°	8434.7	7911.8	7391.8	6922.1	6331.2	5713.8	5173.1	4688.6	4177.5	3503.9	2877.6
7.5°	8487.9	8044.7	7442.1	6981.2	6413.9	5775.8	5232.2	4724.0	4269.1	3568.9	2957.3
5°	8482.0	8115.7	7480.5	6998.9	6458.3	5802.4	5273.5	4732.9	4334.1	3625.0	3004.6
2.5°	8455.4	8162.9	7542.5	7028.4	6546.9	5852.6	5353.3	4750.6	4357.7	3687.1	3037.1
0°	8552.9	8165.9	7607.5	7037.3	6606.0	5870.3	5388.8	4735.9	4325.2	3704.8	3034.1
-2.5°	8343.1	7991.6	7592.7	6960.5	6526.2	5829.0	5323.8	4688.6	4254.3	3684.1	3022.3
-5°	8307.7	7864.5	7468.6	6889.6	6393.3	5743.3	5202.6	4600.0	4142.0	3616.1	2975.1
-7.5°	8213.1	7743.4	7347.5	6833.5	6269.2	5654.7	5087.4	4508.4	4020.9	3509.8	2907.1
-10°	8006.3	7557.3	7217.5	6712.3	6118.5	5527.6	4948.6	4387.2	3879.1	3365.0	2800.7
-12.5°	7710.9	7261.8	6925.0	6455.3	5929.4	5356.3	4783.1	4230.7	3716.6	3211.4	2673.7
-15°	7377.1	6922.1	6585.3	6156.9	5648.8	5090.4	4573.4	4032.7	3530.5	3048.9	2523.0
-17.5°	6998.9	6567.6	6242.6	5826.0	5320.8	4789.0	4275.0	3784.5	3314.8	2880.5	2348.7
-20°	6561.7	6142.1	5843.7	5427.2	4963.3	4446.3	3947.0	3483.2	3060.7	2653.0	2156.7



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CATALOG NUMBER: IFLD-M-SA4B-830-U-76-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	6021.0	5651.7	5312.0	4939.7	4535.0	4062.3	3598.4	3187.8	2783.0	2384.2	1958.7
-25°	5468.5	5111.1	4780.2	4440.4	4053.4	3645.7	3249.8	2877.6	2481.7	2121.2	1766.7
-27.5°	4854.0	4535.0	4239.5	3926.4	3571.8	3220.3	2895.3	2531.9	2189.2	1881.9	1577.6
-30°	4198.2	3938.2	3681.1	3403.4	3116.9	2821.4	2531.9	2189.2	1920.3	1675.1	1418.1
-32.5°	3568.9	3335.5	3128.7	2921.9	2673.7	2431.4	2174.4	1920.3	1695.8	1480.1	1264.5
-35°	3016.4	2768.2	2653.0	2487.6	2289.6	2071.0	1861.3	1684.0	1503.8	1308.8	1116.8
-37.5°	2537.8	2378.3	2242.4	2118.3	1961.7	1772.6	1621.9	1477.2	1326.5	1149.2	983.8
-40°	2162.6	2047.4	1911.5	1819.9	1692.9	1557.0	1406.3	1285.2	1158.1	1013.3	877.4
-42.5°	1861.3	1766.7	1678.1	1580.6	1486.0	1370.8	1240.8	1125.6	1010.4	904.0	791.8
-45°	1613.1	1545.1	1474.2	1394.5	1311.7	1211.3	1104.9	986.8	904.0	809.5	715.0
-47.5°	1409.2	1359.0	1299.9	1237.9	1167.0	1078.3	980.9	895.2	809.5	729.7	638.1
-50°	1246.7	1199.5	1152.2	1099.0	1037.0	960.2	886.3	806.5	726.8	650.0	564.3
-52.5°	1110.8	1069.5	1031.1	986.8	927.7	862.7	794.7	723.8	650.0	573.1	505.2
-55°	1016.3	969.0	930.6	886.3	833.1	771.1	709.0	644.1	573.1	514.1	457.9
-57.5°	939.5	886.3	842.0	794.7	741.5	688.4	632.2	573.1	520.0	463.8	410.7
-60°	874.5	812.5	762.2	715.0	664.7	614.5	567.2	517.0	466.8	416.6	363.4
-62.5°	806.5	741.5	679.5	635.2	596.8	552.5	511.1	463.8	419.5	369.3	330.9
-65°	729.7	667.7	608.6	570.2	534.7	496.3	457.9	416.6	378.2	339.8	304.3
-67.5°	644.1	590.9	549.5	514.1	478.6	446.1	410.7	375.2	342.7	304.3	268.8
-70°	540.6	511.1	487.5	460.9	428.4	398.8	366.3	333.8	298.4	265.9	233.4
-72.5°	460.9	443.2	425.4	398.8	369.3	342.7	316.1	286.6	257.0	227.5	200.9
-75°	378.2	363.4	348.6	330.9	307.3	286.6	262.9	236.3	212.7	192.0	171.4
-77.5°	304.3	292.5	283.6	268.8	251.1	233.4	218.6	200.9	183.2	162.5	141.8
-80°	242.3	236.3	233.4	227.5	212.7	197.9	186.1	171.4	153.6	138.9	124.1
-82.5°	189.1	189.1	186.1	183.2	171.4	159.5	150.7	138.9	127.0	115.2	100.4
-85°	138.9	135.9	135.9	132.9	124.1	118.2	109.3	103.4	94.5	82.7	76.8
-87.5°	82.7	79.8	76.8	73.9	68.0	65.0	59.1	56.1	50.2	44.3	41.4
-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-SA4B-830-U-76-VI

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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0
85°	8.9	5.9	5.9	5.9	5.9	5.9	3.0	3.0	3.0	3.0	3.0
82.5°	17.7	17.7	14.8	14.8	11.8	8.9	5.9	5.9	5.9	3.0	3.0
80°	26.6	26.6	26.6	23.6	20.7	14.8	11.8	8.9	5.9	3.0	3.0
77.5°	32.5	29.5	29.5	26.6	26.6	23.6	17.7	14.8	8.9	5.9	3.0
75°	32.5	32.5	32.5	29.5	29.5	26.6	23.6	17.7	14.8	8.9	5.9
72.5°	35.5	32.5	32.5	32.5	29.5	26.6	23.6	20.7	17.7	11.8	5.9
70°	32.5	32.5	32.5	32.5	29.5	29.5	23.6	20.7	20.7	11.8	8.9
67.5°	32.5	32.5	32.5	29.5	29.5	26.6	23.6	20.7	20.7	14.8	8.9
65°	35.5	32.5	32.5	32.5	29.5	26.6	23.6	20.7	20.7	17.7	11.8
62.5°	38.4	35.5	35.5	32.5	29.5	26.6	23.6	20.7	20.7	17.7	11.8
60°	41.4	38.4	35.5	35.5	32.5	29.5	23.6	23.6	20.7	17.7	11.8
57.5°	44.3	41.4	41.4	38.4	35.5	32.5	26.6	23.6	20.7	17.7	14.8
55°	53.2	47.3	44.3	44.3	41.4	35.5	29.5	23.6	20.7	17.7	14.8
52.5°	70.9	56.1	50.2	50.2	47.3	41.4	32.5	26.6	20.7	17.7	14.8
50°	112.3	70.9	59.1	53.2	53.2	47.3	38.4	29.5	20.7	17.7	14.8
47.5°	177.3	118.2	70.9	62.0	59.1	56.1	44.3	29.5	23.6	17.7	14.8
45°	292.5	174.3	115.2	73.9	62.0	59.1	50.2	32.5	23.6	20.7	14.8
42.5°	401.8	271.8	177.3	88.6	73.9	65.0	53.2	35.5	26.6	20.7	14.8
40°	632.2	372.3	248.2	144.8	85.7	68.0	59.1	41.4	26.6	20.7	14.8
37.5°	856.8	493.4	333.8	212.7	97.5	76.8	62.0	44.3	29.5	20.7	17.7
35°	1081.3	691.3	413.6	283.6	130.0	91.6	65.0	47.3	29.5	20.7	17.7
32.5°	1282.2	877.4	496.3	354.5	195.0	109.3	70.9	50.2	32.5	23.6	17.7
30°	1447.6	1048.8	644.1	416.6	254.1	132.9	76.8	50.2	35.5	23.6	17.7
27.5°	1571.7	1181.7	794.7	481.6	304.3	156.6	88.6	56.1	35.5	23.6	17.7
25°	1672.2	1285.2	927.7	549.5	348.6	195.0	106.4	59.1	38.4	26.6	17.7
22.5°	1751.9	1370.8	1037.0	641.1	401.8	233.4	130.0	65.0	38.4	26.6	17.7
20°	1861.3	1456.5	1110.8	738.6	457.9	268.8	150.7	70.9	38.4	26.6	20.7
17.5°	1955.8	1542.2	1169.9	821.3	514.1	295.4	174.3	76.8	41.4	26.6	20.7
15°	2065.1	1624.9	1223.1	886.3	567.2	319.1	195.0	82.7	41.4	29.5	20.7
12.5°	2183.3	1701.7	1261.5	939.5	623.4	339.8	212.7	94.5	44.3	29.5	20.7
10°	2304.4	1766.7	1294.0	977.9	664.7	360.4	224.5	106.4	47.3	29.5	20.7
7.5°	2425.5	1825.8	1335.4	995.6	682.5	384.1	230.4	118.2	47.3	32.5	20.7
5°	2508.3	1864.2	1394.5	1007.4	691.3	410.7	239.3	132.9	50.2	32.5	20.7
2.5°	2579.2	1887.8	1456.5	1016.3	694.3	425.4	236.3	141.8	53.2	32.5	20.7
0°	2611.7	1887.8	1497.9	1010.4	685.4	440.2	236.3	150.7	53.2	32.5	20.7
-2.5°	2561.4	1941.0	1486.0	1013.3	688.4	440.2	248.2	153.6	59.1	35.5	20.7
-5°	2481.7	1961.7	1450.6	998.6	682.5	440.2	262.9	156.6	62.0	35.5	23.6
-7.5°	2404.9	1970.6	1409.2	983.8	673.6	428.4	265.9	153.6	68.0	38.4	23.6
-10°	2304.4	1873.1	1356.1	957.2	655.9	419.5	271.8	153.6	70.9	38.4	23.6
-12.5°	2189.2	1754.9	1291.1	918.8	635.2	410.7	274.8	153.6	73.9	41.4	23.6
-15°	2056.2	1633.8	1217.2	877.4	605.6	398.8	268.8	150.7	76.8	41.4	26.6
-17.5°	1905.6	1515.6	1140.4	827.2	573.1	384.1	257.0	147.7	76.8	41.4	26.6
-20°	1734.2	1397.4	1054.7	777.0	534.7	366.3	245.2	141.8	76.8	41.4	26.6



REPORT NUMBER: P722613

CATALOG NUMBER: IFLD-M-SA4B-830-U-76-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1580.6	1288.1	966.1	720.9	493.4	345.7	230.4	135.9	76.8	44.3	26.6
-25°	1453.5	1181.7	898.1	664.7	449.1	322.0	215.7	130.0	76.8	44.3	26.6
-27.5°	1320.6	1066.5	827.2	611.6	419.5	301.3	200.9	124.1	73.9	44.3	26.6
-30°	1184.7	954.3	753.4	552.5	390.0	280.7	189.1	115.2	73.9	44.3	26.6
-32.5°	1060.6	862.7	685.4	493.4	357.5	260.0	177.3	112.3	70.9	44.3	26.6
-35°	939.5	780.0	614.5	446.1	322.0	239.3	165.4	109.3	70.9	44.3	26.6
-37.5°	839.0	703.1	549.5	413.6	301.3	221.6	153.6	103.4	68.0	44.3	26.6
-40°	756.3	632.2	487.5	378.2	283.6	203.9	141.8	100.4	68.0	44.3	26.6
-42.5°	679.5	564.3	449.1	348.6	265.9	192.0	132.9	97.5	65.0	44.3	26.6
-45°	611.6	505.2	410.7	322.0	245.2	177.3	127.0	91.6	62.0	44.3	29.5
-47.5°	543.6	463.8	375.2	298.4	224.5	159.5	121.1	88.6	59.1	41.4	29.5
-50°	490.4	419.5	345.7	271.8	203.9	153.6	115.2	82.7	59.1	41.4	29.5
-52.5°	443.2	378.2	313.2	245.2	186.1	144.8	109.3	76.8	56.1	41.4	29.5
-55°	398.8	339.8	280.7	218.6	174.3	135.9	100.4	70.9	56.1	41.4	29.5
-57.5°	354.5	304.3	248.2	197.9	159.5	127.0	94.5	70.9	56.1	41.4	29.5
-60°	319.1	271.8	224.5	183.2	147.7	115.2	85.7	68.0	53.2	41.4	29.5
-62.5°	289.5	245.2	203.9	165.4	135.9	103.4	82.7	68.0	53.2	41.4	26.6
-65°	260.0	221.6	183.2	150.7	121.1	97.5	79.8	65.0	53.2	41.4	26.6
-67.5°	230.4	195.0	165.4	132.9	112.3	94.5	76.8	65.0	50.2	38.4	26.6
-70°	200.9	171.4	144.8	124.1	106.4	88.6	73.9	62.0	50.2	35.5	23.6
-72.5°	177.3	150.7	130.0	115.2	100.4	85.7	70.9	59.1	47.3	32.5	20.7
-75°	150.7	132.9	118.2	103.4	91.6	79.8	68.0	53.2	41.4	29.5	20.7
-77.5°	127.0	115.2	103.4	94.5	82.7	70.9	59.1	47.3	38.4	26.6	17.7
-80°	109.3	100.4	91.6	82.7	73.9	62.0	53.2	41.4	32.5	23.6	14.8
-82.5°	88.6	82.7	73.9	68.0	62.0	53.2	44.3	35.5	23.6	17.7	11.8
-85°	68.0	62.0	59.1	53.2	47.3	38.4	29.5	23.6	17.7	11.8	5.9
-87.5°	35.5	32.5	29.5	26.6	23.6	17.7	14.8	11.8	8.9	5.9	3.0
-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: P722613

CATALOG NUMBER: IFLD-M-SA4B-830-U-76-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
80°	3.0	0.0	0.0	0.0
77.5°	3.0	0.0	0.0	0.0
75°	3.0	3.0	0.0	0.0
72.5°	3.0	3.0	0.0	0.0
70°	3.0	3.0	0.0	0.0
67.5°	5.9	3.0	0.0	0.0
65°	5.9	3.0	0.0	0.0
62.5°	5.9	3.0	0.0	0.0
60°	5.9	3.0	0.0	0.0
57.5°	8.9	3.0	3.0	0.0
55°	8.9	3.0	3.0	0.0
52.5°	8.9	3.0	3.0	0.0
50°	8.9	5.9	3.0	0.0
47.5°	8.9	5.9	3.0	0.0
45°	8.9	5.9	3.0	0.0
42.5°	8.9	5.9	3.0	0.0
40°	11.8	5.9	3.0	0.0
37.5°	11.8	5.9	3.0	0.0
35°	11.8	5.9	3.0	0.0
32.5°	11.8	5.9	3.0	0.0
30°	11.8	5.9	3.0	0.0
27.5°	11.8	8.9	3.0	0.0
25°	11.8	8.9	3.0	0.0
22.5°	14.8	8.9	3.0	0.0
20°	14.8	8.9	3.0	0.0
17.5°	14.8	8.9	3.0	0.0
15°	14.8	8.9	3.0	0.0
12.5°	14.8	8.9	3.0	0.0
10°	14.8	8.9	3.0	0.0
7.5°	14.8	8.9	3.0	0.0
5°	14.8	8.9	3.0	0.0
2.5°	14.8	8.9	3.0	0.0
0°	14.8	8.9	3.0	0.0
-2.5°	14.8	8.9	3.0	0.0
-5°	14.8	8.9	3.0	0.0
-7.5°	14.8	8.9	3.0	0.0
-10°	14.8	8.9	3.0	0.0
-12.5°	17.7	8.9	3.0	0.0
-15°	17.7	8.9	3.0	0.0
-17.5°	17.7	8.9	3.0	0.0
-20°	17.7	8.9	3.0	0.0

REPORT NUMBER: P722613

CATALOG NUMBER: IFLD-M-SA4B-830-U-76-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	17.7	8.9	3.0	0.0
-25°	17.7	8.9	3.0	0.0
-27.5°	17.7	8.9	3.0	0.0
-30°	17.7	8.9	3.0	0.0
-32.5°	17.7	8.9	3.0	0.0
-35°	17.7	8.9	3.0	0.0
-37.5°	17.7	8.9	3.0	0.0
-40°	17.7	8.9	3.0	0.0
-42.5°	14.8	8.9	3.0	0.0
-45°	17.7	8.9	3.0	0.0
-47.5°	17.7	8.9	3.0	0.0
-50°	17.7	8.9	3.0	0.0
-52.5°	17.7	8.9	3.0	0.0
-55°	17.7	8.9	3.0	0.0
-57.5°	17.7	8.9	3.0	0.0
-60°	17.7	8.9	3.0	0.0
-62.5°	14.8	8.9	3.0	0.0
-65°	14.8	5.9	3.0	0.0
-67.5°	14.8	5.9	3.0	0.0
-70°	14.8	5.9	3.0	0.0
-72.5°	11.8	5.9	3.0	0.0
-75°	11.8	5.9	3.0	0.0
-77.5°	8.9	3.0	0.0	0.0
-80°	8.9	3.0	0.0	0.0
-82.5°	5.9	3.0	0.0	0.0
-85°	3.0	3.0	0.0	0.0
-87.5°	3.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)