

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: P722207

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

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722207
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
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

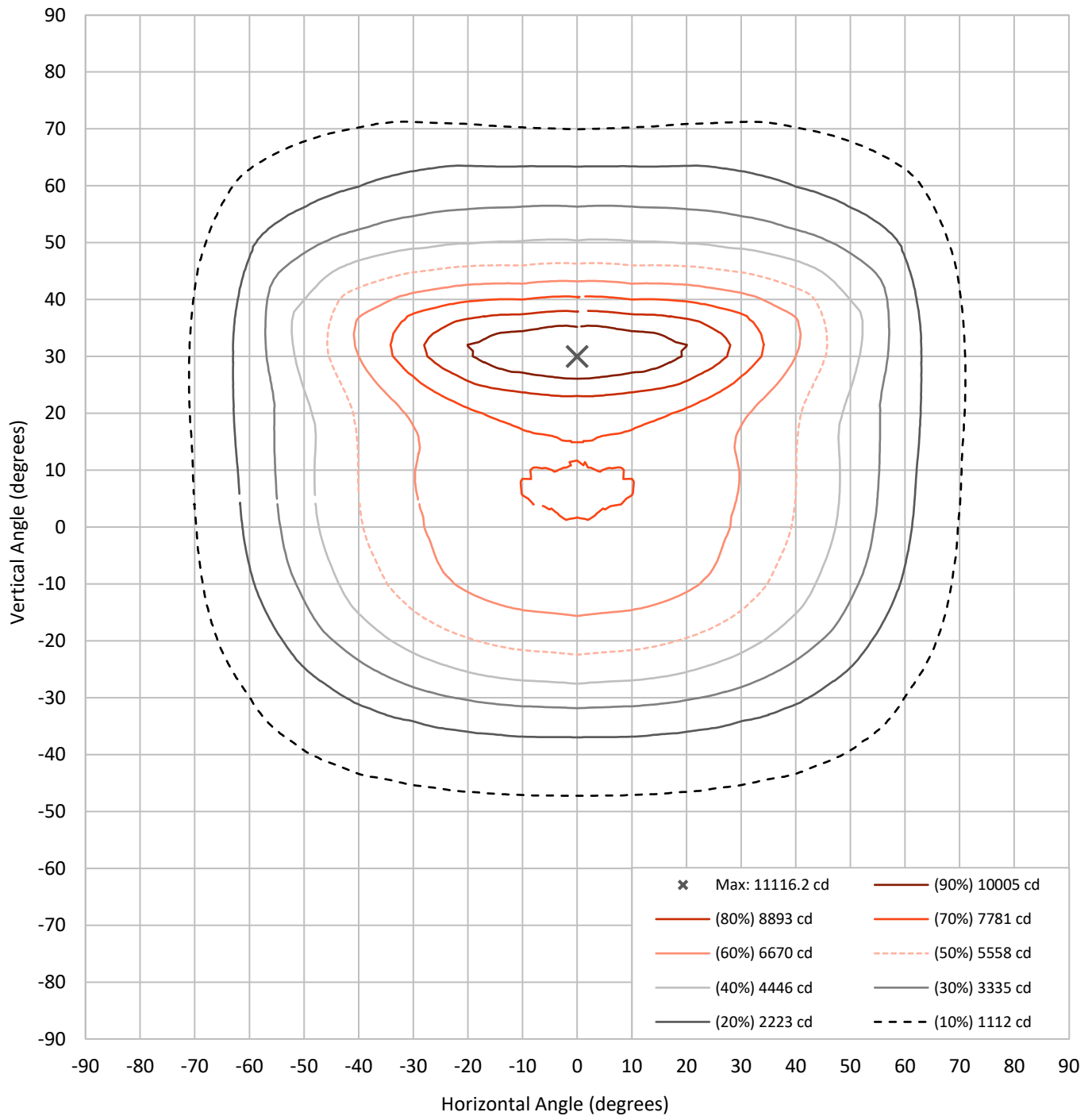
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	18555.6 lumens	Max Intensity:	11116.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	111.7 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	10790.3 lumens	Field Lumens:	17389 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

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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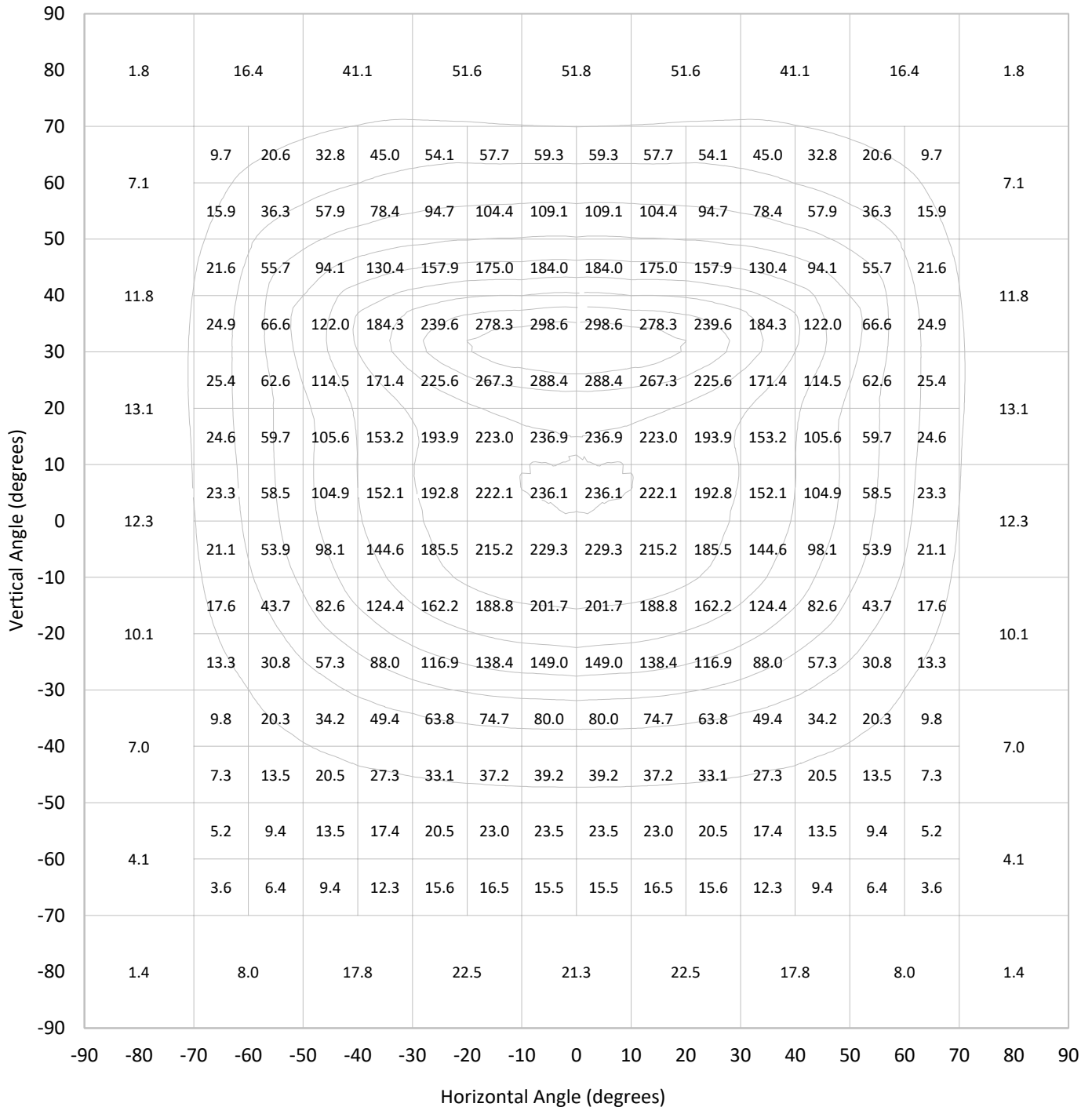
Iso-Candela Plot





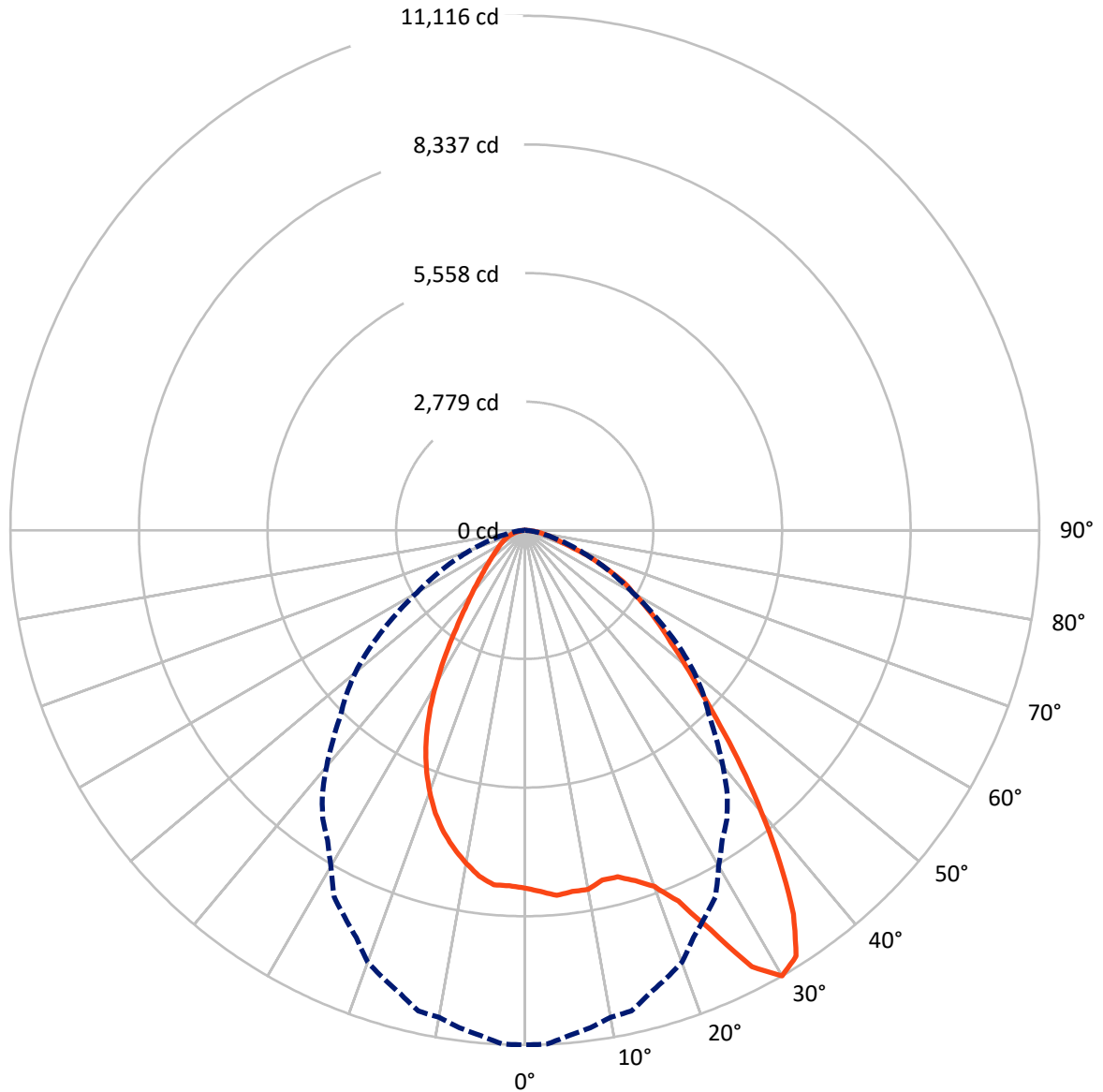
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Lumen Table



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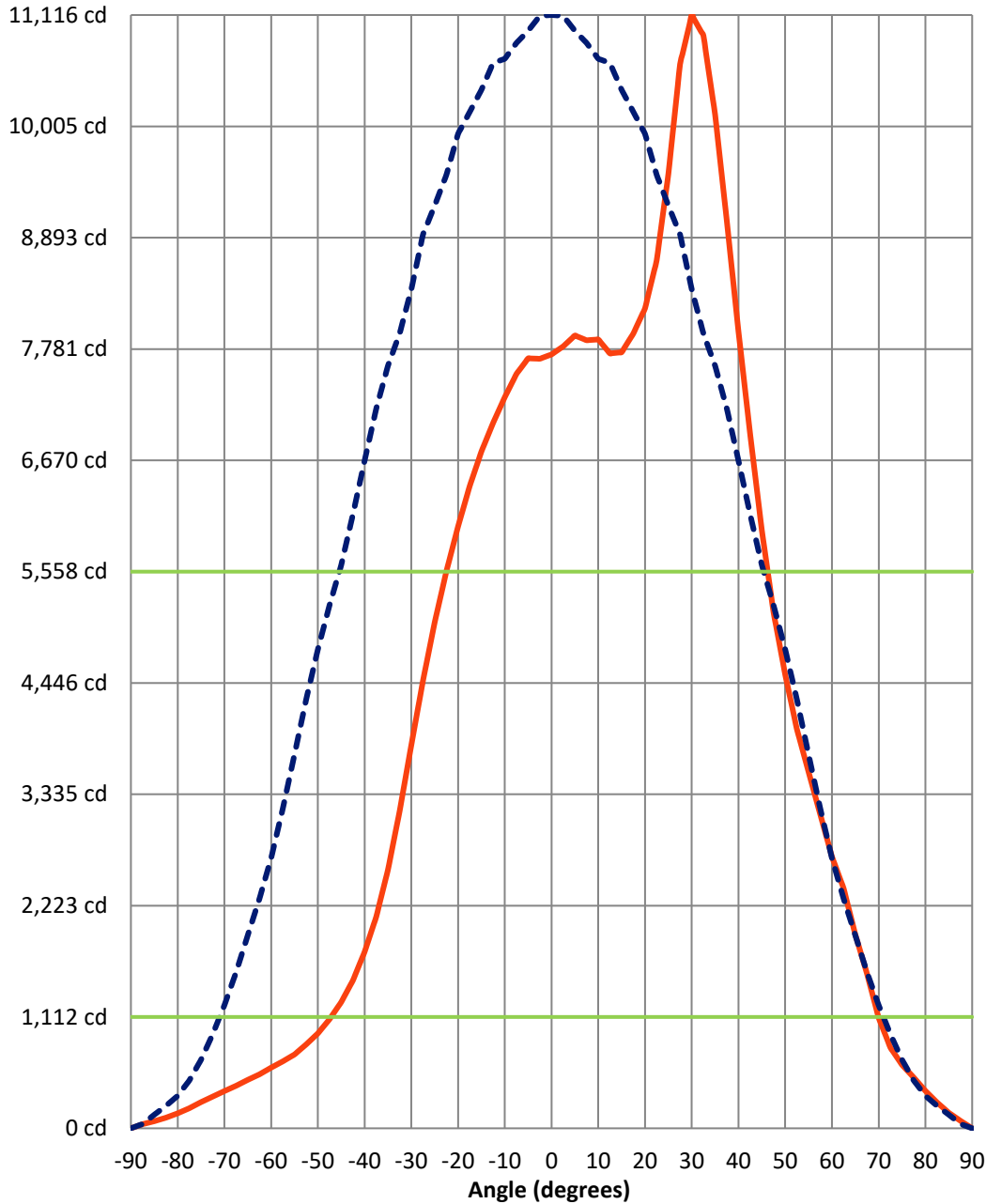
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 10790.3
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 17389
 Efficiency: 93.7%

Spill:
 Lumens: 1166.6
 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°	74.7	76.7	78.6	78.6	76.7	76.7	76.7	74.7	76.7	76.7	76.7
85°	155.3	159.2	163.2	161.2	159.2	155.3	151.4	153.3	155.3	157.3	157.3
82.5°	257.5	263.4	267.3	265.4	261.4	257.5	253.6	255.5	259.5	261.4	261.4
80°	373.5	375.5	377.4	381.3	375.5	375.5	373.5	381.3	385.3	389.2	393.1
77.5°	507.2	509.1	509.1	511.1	513.1	515.0	515.0	528.8	538.6	544.5	550.4
75°	633.0	638.9	644.8	650.7	658.5	662.4	668.3	688.0	703.7	715.5	727.3
72.5°	805.9	813.8	823.6	837.4	851.2	861.0	874.7	898.3	916.0	927.8	941.6
70°	1102.8	1110.6	1120.5	1130.3	1144.0	1153.9	1167.6	1197.1	1214.8	1222.7	1230.5
67.5°	1543.1	1562.7	1580.4	1560.8	1551.0	1537.2	1541.1	1568.6	1586.3	1598.1	1596.2
65°	1934.3	1948.0	1948.0	1946.1	1938.2	1920.5	1930.3	1963.8	1983.4	1993.2	1963.8
62.5°	2394.2	2394.2	2384.4	2400.1	2402.1	2390.3	2384.4	2386.4	2388.4	2394.2	2345.1
60°	2712.7	2732.4	2738.2	2752.0	2755.9	2755.9	2765.8	2773.6	2773.6	2761.8	2704.8
57.5°	3133.4	3170.7	3178.6	3168.7	3149.1	3123.5	3119.6	3107.8	3084.2	3060.6	3033.1
55°	3558.0	3577.6	3575.6	3569.7	3550.1	3520.6	3524.5	3508.8	3471.5	3442.0	3404.6
52.5°	3984.5	4031.7	4039.6	4027.8	4000.2	3968.8	3970.8	3953.1	3915.7	3884.3	3833.2
50°	4529.0	4568.3	4564.4	4544.7	4505.4	4481.8	4483.8	4450.4	4407.1	4397.3	4330.5
47.5°	5152.2	5197.4	5189.5	5162.0	5108.9	5099.1	5108.9	5065.7	5040.1	5018.5	4939.9
45°	5969.9	6023.0	5993.5	5940.4	5855.9	5865.7	5879.5	5871.6	5816.6	5759.6	5659.3
42.5°	6929.2	6962.6	6927.2	6874.1	6768.0	6787.6	6779.8	6732.6	6699.2	6604.8	6477.1
40°	7955.3	8028.0	7973.0	7890.4	7780.3	7809.8	7788.2	7727.2	7648.6	7530.7	7369.5
37.5°	9062.0	9119.0	9056.1	8959.8	8861.5	8851.6	8808.4	8714.0	8602.0	8472.3	8214.7
35°	10121.5	10268.9	10152.9	9999.6	9879.7	9834.5	9793.2	9575.0	9447.3	9236.9	8885.1
32.5°	10909.8	11017.9	10874.4	10715.1	10569.7	10506.8	10361.3	10101.8	10033.0	9590.8	9268.4
30°	11116.2	11108.3	10958.9	10837.0	10679.8	10636.5	10369.2	10149.0	9928.9	9520.0	9213.3
27.5°	10624.7	10575.6	10432.1	10325.9	10170.6	10119.5	9856.1	9738.2	9398.1	9052.1	8792.7
25°	9529.8	9555.4	9447.3	9394.2	9292.0	9181.9	9077.7	8918.5	8706.2	8403.5	8165.6
22.5°	8666.9	8700.3	8655.1	8592.2	8513.5	8452.6	8374.0	8250.1	8045.7	7859.0	7634.9
20°	8187.2	8177.4	8138.1	8090.9	8016.2	7973.0	7886.5	7782.3	7625.0	7463.8	7222.1
17.5°	7935.6	7874.7	7837.3	7819.6	7780.3	7725.3	7623.1	7516.9	7395.0	7212.2	7035.3
15°	7748.9	7758.7	7729.2	7715.5	7684.0	7607.3	7503.2	7416.7	7251.5	7159.2	6998.0
12.5°	7737.1	7727.2	7729.2	7723.3	7684.0	7585.7	7532.6	7422.6	7316.4	7194.5	7009.8
10°	7876.6	7772.5	7780.3	7807.8	7744.9	7666.3	7609.3	7489.4	7389.1	7233.9	7051.0
7.5°	7868.8	7815.7	7831.4	7786.2	7805.9	7709.6	7630.9	7511.0	7385.2	7220.1	7055.0
5°	7916.0	7835.4	7821.6	7825.5	7776.4	7703.7	7597.5	7483.5	7365.6	7180.8	7011.7
2.5°	7807.8	7819.6	7756.7	7733.1	7727.2	7605.4	7507.1	7397.0	7275.1	7112.0	6960.6
0°	7727.2	7748.9	7684.0	7650.6	7648.6	7544.4	7481.5	7355.7	7269.2	7133.6	6950.8
-2.5°	7684.0	7709.6	7717.4	7656.5	7597.5	7516.9	7410.8	7275.1	7133.6	6976.3	6819.1
-5°	7687.9	7636.8	7615.2	7634.9	7583.8	7503.2	7385.2	7265.3	7125.7	6956.7	6760.1
-7.5°	7532.6	7481.5	7477.6	7467.8	7456.0	7379.3	7281.0	7151.3	7009.8	6852.5	6669.7
-10°	7300.7	7263.3	7253.5	7243.7	7212.2	7167.0	7074.6	6956.7	6828.9	6671.7	6477.1
-12.5°	7043.2	7025.5	6988.1	6962.6	6931.1	6878.1	6789.6	6681.5	6553.7	6414.1	6247.1
-15°	6758.1	6724.7	6687.4	6665.8	6620.5	6557.6	6469.2	6368.9	6229.4	6091.8	5934.5
-17.5°	6414.1	6372.9	6331.6	6325.7	6294.2	6197.9	6115.4	5993.5	5871.6	5739.9	5586.6
-20°	6009.2	5952.2	5924.7	5909.0	5865.7	5794.9	5706.5	5594.4	5476.5	5350.7	5173.8



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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°	5561.0	5511.9	5464.7	5435.2	5397.9	5342.8	5258.3	5160.0	5044.0	4902.5	4739.4
-25°	5051.9	4983.1	4953.6	4920.2	4900.5	4849.4	4766.9	4676.5	4556.5	4418.9	4263.6
-27.5°	4470.0	4415.0	4399.3	4352.1	4328.5	4275.4	4206.6	4122.1	4012.0	3882.3	3754.5
-30°	3827.3	3793.8	3768.3	3721.1	3703.4	3646.4	3601.2	3530.4	3430.2	3337.8	3235.6
-32.5°	3166.8	3133.4	3125.5	3103.9	3092.1	3054.7	3003.6	2952.5	2871.9	2803.1	2720.6
-35°	2581.0	2557.4	2559.4	2557.4	2545.6	2518.1	2455.2	2441.4	2382.5	2319.6	2266.5
-37.5°	2113.2	2115.1	2113.2	2111.2	2095.5	2083.7	2038.5	2020.8	1985.4	1924.4	1893.0
-40°	1761.3	1765.2	1763.3	1759.3	1741.6	1735.7	1706.2	1682.7	1668.9	1625.7	1592.2
-42.5°	1476.3	1482.2	1480.2	1478.2	1466.4	1464.5	1448.7	1421.2	1413.4	1387.8	1352.4
-45°	1260.0	1258.1	1254.1	1258.1	1252.2	1246.3	1236.4	1218.7	1208.9	1197.1	1167.6
-47.5°	1089.0	1091.0	1087.0	1087.0	1079.2	1073.3	1069.4	1057.6	1049.7	1039.9	1022.2
-50°	947.5	955.3	953.4	951.4	945.5	941.6	941.6	929.8	918.0	914.1	902.3
-52.5°	837.4	843.3	845.3	849.2	851.2	853.1	847.2	835.4	815.8	813.8	807.9
-55°	737.1	754.8	766.6	774.5	782.4	788.3	776.5	760.7	741.1	733.2	731.2
-57.5°	668.3	686.0	699.8	711.6	721.4	731.2	719.5	703.7	686.0	676.2	674.2
-60°	605.4	621.2	634.9	650.7	664.4	680.1	674.2	662.4	652.6	644.8	636.9
-62.5°	538.6	554.3	570.1	589.7	607.4	623.1	625.1	623.1	621.2	623.1	609.4
-65°	483.6	491.4	501.3	522.9	542.5	560.2	570.1	576.0	585.8	595.6	581.9
-67.5°	424.6	434.4	446.2	461.9	477.7	489.5	503.2	519.0	534.7	550.4	540.6
-70°	371.5	379.4	389.2	397.1	406.9	414.8	426.6	444.3	461.9	477.7	473.7
-72.5°	316.5	324.3	330.2	334.2	340.1	344.0	349.9	365.6	377.4	385.3	385.3
-75°	261.4	269.3	275.2	277.2	281.1	283.1	287.0	292.9	298.8	300.8	302.7
-77.5°	200.5	208.4	214.3	218.2	222.1	226.1	228.0	232.0	233.9	233.9	235.9
-80°	149.4	155.3	159.2	165.1	167.1	171.0	174.9	176.9	178.9	178.9	180.8
-82.5°	106.1	110.1	114.0	117.9	121.9	123.8	127.8	129.7	131.7	133.7	135.6
-85°	70.8	74.7	78.6	82.6	84.5	86.5	88.5	90.4	92.4	94.4	96.3
-87.5°	41.3	43.2	45.2	49.1	51.1	55.0	57.0	55.0	57.0	57.0	57.0
-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°	76.7	76.7	76.7	76.7	74.7	70.8	68.8	64.9	60.9	57.0	53.1
85°	159.2	161.2	161.2	161.2	157.3	155.3	149.4	143.5	135.6	123.8	114.0
82.5°	265.4	267.3	267.3	265.4	261.4	255.5	247.7	237.9	222.1	206.4	192.6
80°	399.0	401.0	401.0	399.0	389.2	379.4	369.6	357.8	338.1	316.5	292.9
77.5°	558.3	562.2	562.2	556.3	542.5	530.7	515.0	495.4	465.9	434.4	403.0
75°	743.0	752.9	754.8	748.9	731.2	709.6	684.1	650.7	605.4	566.1	528.8
72.5°	957.3	967.1	975.0	967.1	941.6	912.1	874.7	835.4	790.2	737.1	674.2
70°	1238.4	1248.2	1254.1	1228.6	1183.4	1134.2	1089.0	1043.8	990.7	925.9	857.1
67.5°	1592.2	1582.4	1570.6	1519.5	1462.5	1403.5	1340.6	1273.8	1205.0	1136.2	1055.6
65°	1932.3	1904.8	1879.2	1818.3	1745.6	1668.9	1596.2	1521.5	1438.9	1352.4	1275.8
62.5°	2290.1	2231.1	2168.2	2093.5	2018.8	1934.3	1861.5	1773.1	1680.7	1574.5	1476.3
60°	2641.9	2571.2	2508.3	2415.9	2317.6	2203.6	2124.9	2038.5	1930.3	1816.3	1700.3
57.5°	2982.0	2905.3	2836.5	2755.9	2649.8	2526.0	2439.5	2327.4	2213.4	2069.9	1952.0
55°	3343.7	3267.0	3212.0	3121.6	3005.6	2891.6	2797.2	2679.3	2520.1	2366.7	2221.3
52.5°	3758.5	3697.5	3638.5	3546.2	3406.6	3290.6	3186.4	3054.7	2887.6	2698.9	2524.0
50°	4222.4	4190.9	4128.0	4019.9	3860.7	3758.5	3620.9	3445.9	3267.0	3068.5	2850.3
47.5°	4837.6	4786.5	4698.1	4580.1	4446.5	4293.1	4108.4	3903.9	3650.3	3430.2	3198.2
45°	5572.8	5478.5	5364.5	5205.2	5040.1	4867.1	4664.7	4405.2	4065.1	3778.1	3534.4
42.5°	6368.9	6241.2	6085.9	5877.5	5663.2	5450.9	5232.7	4878.9	4454.3	4124.1	3848.9
40°	7200.4	7037.3	6842.7	6540.0	6302.1	6028.9	5779.2	5250.4	4798.3	4440.6	4147.7
37.5°	8014.2	7807.8	7481.5	7113.9	6836.8	6612.7	6064.2	5498.1	5093.2	4700.0	4403.2
35°	8637.4	8462.4	7886.5	7505.1	7267.3	6913.4	6227.4	5647.5	5219.0	4892.7	4430.7
32.5°	9006.9	8554.8	8049.6	7664.3	7467.8	6887.9	6239.2	5690.8	5278.0	4912.3	4360.0
30°	8924.4	8377.9	7935.6	7613.2	7186.7	6665.8	6129.1	5623.9	5222.9	4780.6	4281.3
27.5°	8427.0	8004.4	7609.3	7273.2	6854.5	6386.6	5891.3	5447.0	5073.5	4645.0	4173.2
25°	7864.8	7481.5	7188.6	6895.7	6498.7	6052.5	5616.1	5295.7	4920.2	4497.6	4031.7
22.5°	7347.9	7072.7	6842.7	6536.0	6148.8	5759.6	5488.3	5156.1	4770.8	4342.3	3886.2
20°	7017.6	6830.9	6567.5	6229.4	5924.7	5680.9	5380.2	5028.3	4631.2	4183.1	3762.4
17.5°	6858.4	6642.2	6349.3	6129.1	5895.2	5627.9	5291.7	4918.2	4495.6	4110.3	3776.2
15°	6775.8	6547.8	6355.2	6138.9	5875.5	5594.4	5221.0	4833.7	4495.6	4139.8	3786.0
12.5°	6793.5	6597.0	6386.6	6150.7	5867.7	5566.9	5228.8	4869.1	4519.2	4161.4	3787.9
10°	6848.6	6642.2	6418.1	6156.6	5871.6	5574.8	5250.4	4890.7	4531.0	4171.3	3784.0
7.5°	6868.2	6644.1	6404.3	6140.9	5861.8	5570.9	5254.4	4896.6	4533.0	4169.3	3772.2
5°	6807.3	6604.8	6372.9	6107.5	5834.3	5551.2	5238.6	4888.7	4517.2	4149.6	3742.7
2.5°	6724.7	6561.6	6339.5	6083.9	5806.7	5523.7	5213.1	4853.4	4481.8	4114.3	3705.4
0°	6711.0	6508.5	6284.4	6056.4	5761.5	5462.7	5154.1	4786.5	4417.0	4047.4	3640.5
-2.5°	6620.5	6406.3	6182.2	5934.5	5675.0	5374.3	5049.9	4690.2	4324.6	3960.9	3569.7
-5°	6551.7	6313.9	6076.0	5808.7	5547.3	5246.5	4910.4	4560.5	4202.7	3848.9	3471.5
-7.5°	6459.4	6215.6	5966.0	5686.8	5403.8	5097.1	4764.9	4415.0	4063.1	3711.3	3349.6
-10°	6272.6	6058.4	5824.4	5535.5	5236.7	4930.0	4599.8	4255.8	3903.9	3548.1	3184.5
-12.5°	6046.6	5820.5	5565.0	5299.6	5032.2	4747.2	4417.0	4078.9	3725.0	3367.3	3005.6
-15°	5753.7	5531.5	5270.1	5010.6	4753.1	4479.9	4189.0	3884.3	3524.5	3172.7	2811.0
-17.5°	5388.0	5179.7	4945.8	4698.1	4442.5	4167.3	3884.3	3626.8	3290.6	2960.4	2602.6
-20°	4994.9	4800.3	4590.0	4356.0	4100.5	3831.2	3563.9	3294.5	3003.6	2712.7	2380.5



REPORT NUMBER: P722207
 CATALOG NUMBER: IFLD-M-SA4B-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°	4586.0	4389.5	4177.2	3959.0	3723.1	3473.4	3225.7	2968.2	2712.7	2449.3	2168.2
-25°	4114.3	3941.3	3746.7	3534.4	3324.0	3105.8	2870.0	2636.0	2417.8	2189.8	1959.8
-27.5°	3620.9	3461.6	3284.7	3099.9	2919.1	2736.3	2531.8	2315.6	2134.8	1946.1	1755.4
-30°	3101.9	2974.1	2830.6	2669.4	2529.9	2382.5	2211.4	2032.6	1867.4	1723.9	1570.6
-32.5°	2610.5	2502.4	2400.1	2294.0	2156.4	2042.4	1924.4	1792.7	1647.3	1511.6	1401.6
-35°	2187.8	2071.9	2028.6	1950.0	1851.7	1751.5	1665.0	1570.6	1460.5	1340.6	1250.2
-37.5°	1832.1	1763.3	1702.3	1659.1	1594.2	1513.6	1444.8	1376.0	1291.5	1201.1	1110.6
-40°	1554.9	1507.7	1440.9	1419.3	1378.0	1322.9	1252.2	1199.1	1142.1	1073.3	996.6
-42.5°	1332.8	1297.4	1254.1	1216.8	1199.1	1159.8	1104.7	1053.6	1008.4	961.2	902.3
-45°	1149.9	1126.4	1098.8	1065.4	1051.7	1020.2	980.9	923.9	898.3	859.0	815.8
-47.5°	1002.5	990.7	971.1	949.4	929.8	906.2	870.8	835.4	800.0	774.5	741.1
-50°	886.5	878.7	866.9	849.2	823.6	807.9	784.3	752.9	719.5	697.8	674.2
-52.5°	794.2	786.3	778.4	764.7	745.0	729.3	709.6	684.1	656.6	634.9	615.3
-55°	723.4	711.6	705.7	693.9	678.2	660.5	642.8	625.1	601.5	581.9	562.2
-57.5°	668.3	652.6	644.8	634.9	619.2	601.5	587.8	570.1	554.3	532.7	515.0
-60°	625.1	607.4	591.7	581.9	568.1	550.4	536.6	522.9	507.2	489.5	467.8
-62.5°	589.7	568.1	546.5	534.7	520.9	505.2	491.4	477.7	461.9	444.3	424.6
-65°	556.3	530.7	503.2	491.4	477.7	461.9	444.3	434.4	420.7	404.9	385.3
-67.5°	515.0	487.5	463.9	450.2	436.4	422.6	406.9	397.1	383.3	363.7	344.0
-70°	454.1	436.4	420.7	408.9	397.1	385.3	369.6	353.8	338.1	320.4	302.7
-72.5°	377.4	371.5	369.6	363.7	349.9	336.1	320.4	304.7	290.9	277.2	263.4
-75°	304.7	308.6	312.5	310.6	296.8	283.1	269.3	255.5	245.7	233.9	222.1
-77.5°	241.8	245.7	249.6	249.6	239.8	232.0	222.1	212.3	204.4	194.6	182.8
-80°	186.7	192.6	198.5	202.5	194.6	188.7	180.8	173.0	165.1	157.3	149.4
-82.5°	141.5	147.4	153.3	157.3	151.4	147.4	141.5	135.6	129.7	121.9	116.0
-85°	102.2	106.1	110.1	112.0	108.1	104.2	100.3	96.3	92.4	86.5	82.6
-87.5°	59.0	60.9	62.9	64.9	60.9	57.0	55.0	51.1	49.1	45.2	43.2
-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):

	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°	49.1	45.2	41.3	39.3	35.4	29.5	25.6	21.6	17.7	13.8	11.8
85°	104.2	94.4	82.6	76.7	68.8	60.9	53.1	45.2	37.3	29.5	21.6
82.5°	178.9	167.1	155.3	141.5	123.8	102.2	80.6	66.8	55.0	43.2	33.4
80°	269.3	247.7	228.0	210.3	190.7	163.2	133.7	106.1	74.7	57.0	43.2
77.5°	373.5	347.9	320.4	290.9	259.5	222.1	188.7	153.3	116.0	78.6	55.0
75°	491.4	458.0	420.7	379.4	338.1	289.0	241.8	200.5	157.3	110.1	66.8
72.5°	623.1	581.9	536.6	481.6	416.7	359.7	302.7	247.7	196.6	139.6	90.4
70°	792.2	727.3	660.5	601.5	519.0	428.5	361.7	298.8	233.9	171.0	114.0
67.5°	973.0	894.4	813.8	727.3	623.1	517.0	420.7	349.9	273.2	200.5	135.6
65°	1169.6	1071.3	969.1	872.8	729.3	603.5	495.4	399.0	310.6	228.0	157.3
62.5°	1372.1	1256.1	1138.2	1012.3	847.2	691.9	566.1	454.1	346.0	253.6	176.9
60°	1588.3	1452.7	1309.2	1151.9	959.3	788.3	633.0	511.1	383.3	279.1	198.5
57.5°	1816.3	1668.9	1499.8	1287.5	1075.2	880.6	709.6	562.2	416.7	302.7	214.3
55°	2064.0	1895.0	1710.2	1429.1	1189.3	973.0	786.3	613.3	452.1	322.4	230.0
52.5°	2331.3	2134.8	1900.9	1578.5	1309.2	1067.4	857.1	658.5	485.5	344.0	243.7
50°	2630.1	2382.5	2067.9	1716.1	1413.4	1155.8	927.8	707.7	513.1	367.6	255.5
47.5°	2940.7	2673.4	2217.3	1843.8	1519.5	1242.3	1000.6	750.9	540.6	387.2	267.3
45°	3265.1	2875.8	2372.6	1957.9	1611.9	1321.0	1055.6	790.2	574.0	404.9	277.2
42.5°	3585.5	3029.2	2508.3	2071.9	1698.4	1391.7	1100.8	827.6	601.5	422.6	287.0
40°	3736.8	3145.2	2616.4	2150.5	1771.1	1454.6	1140.1	861.0	625.1	434.4	296.8
37.5°	3799.7	3215.9	2687.1	2225.2	1828.1	1488.1	1173.5	890.5	644.8	446.2	304.7
35°	3813.5	3241.5	2722.5	2276.3	1875.3	1519.5	1199.1	912.1	660.5	458.0	312.5
32.5°	3787.9	3233.6	2732.4	2294.0	1904.8	1543.1	1216.8	927.8	672.3	469.8	320.4
30°	3730.9	3192.3	2697.0	2292.0	1926.4	1556.9	1228.6	939.6	684.1	477.7	324.3
27.5°	3638.5	3119.6	2651.8	2294.0	1938.2	1562.7	1234.5	945.5	691.9	483.6	332.2
25°	3524.5	3021.3	2653.7	2290.1	1940.2	1564.7	1234.5	945.5	693.9	485.5	338.1
22.5°	3392.8	3021.3	2653.7	2284.2	1928.4	1560.8	1228.6	941.6	693.9	489.5	344.0
20°	3400.7	3023.3	2647.8	2272.4	1910.7	1549.0	1214.8	931.8	688.0	495.4	347.9
17.5°	3406.6	3019.3	2636.0	2256.6	1887.1	1529.3	1197.1	918.0	688.0	501.3	349.9
15°	3406.6	3007.6	2618.3	2233.1	1857.6	1501.8	1171.6	906.2	690.0	503.2	353.8
12.5°	3400.7	2985.9	2590.8	2201.6	1822.2	1468.4	1155.8	902.3	690.0	505.2	353.8
10°	3388.9	2956.4	2555.4	2162.3	1788.8	1456.6	1148.0	894.4	686.0	505.2	353.8
7.5°	3367.3	2921.1	2526.0	2138.7	1769.1	1442.8	1136.2	882.6	680.1	501.3	357.8
5°	3333.9	2901.4	2502.4	2111.2	1741.6	1433.0	1128.3	872.8	676.2	501.3	353.8
2.5°	3290.6	2877.8	2474.8	2075.8	1710.2	1399.6	1102.8	851.2	662.4	493.4	349.9
0°	3219.9	2830.6	2427.7	2026.7	1666.9	1366.2	1077.2	829.5	648.7	485.5	346.0
-2.5°	3155.0	2767.7	2366.7	1975.5	1625.7	1336.7	1057.6	817.7	642.8	483.6	344.0
-5°	3064.6	2681.2	2286.1	1908.7	1570.6	1307.2	1037.9	804.0	636.9	479.6	344.0
-7.5°	2964.3	2590.8	2201.6	1839.9	1515.6	1256.1	1000.6	782.4	623.1	471.8	342.0
-10°	2809.0	2455.2	2095.5	1761.3	1456.6	1210.9	969.1	762.7	611.3	463.9	334.2
-12.5°	2643.9	2305.8	1973.6	1665.0	1389.8	1163.7	933.7	741.1	597.6	456.0	330.2
-15°	2468.9	2152.5	1845.8	1564.7	1317.0	1106.7	896.4	717.5	583.8	446.2	324.3
-17.5°	2286.1	1991.3	1714.1	1462.5	1244.3	1047.7	857.1	695.9	568.1	436.4	318.4
-20°	2093.5	1826.2	1580.4	1358.3	1167.6	988.8	815.8	670.3	550.4	424.6	310.6



REPORT NUMBER: P722207
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1902.8	1663.0	1442.8	1256.1	1089.0	927.8	774.5	644.8	530.7	410.8	304.7
-25°	1733.8	1509.7	1321.0	1157.8	1012.3	868.8	731.2	619.2	509.1	397.1	296.8
-27.5°	1568.6	1378.0	1201.1	1065.4	937.6	811.8	690.0	591.7	487.5	381.3	289.0
-30°	1415.3	1252.2	1106.7	975.0	866.9	760.7	654.6	564.2	463.9	365.6	279.1
-32.5°	1275.8	1144.0	1022.2	896.4	800.0	709.6	621.2	536.6	440.3	349.9	269.3
-35°	1146.0	1043.8	937.6	831.5	733.2	662.4	585.8	507.2	418.7	332.2	259.5
-37.5°	1030.0	947.5	863.0	772.5	688.0	617.2	552.4	477.7	397.1	316.5	249.6
-40°	929.8	863.0	788.3	715.5	644.8	577.9	519.0	448.2	375.5	304.7	239.8
-42.5°	837.4	786.3	725.4	664.4	601.5	542.5	485.5	416.7	353.8	290.9	230.0
-45°	766.6	715.5	666.4	611.3	558.3	507.2	450.2	389.2	334.2	275.2	220.2
-47.5°	699.8	654.6	609.4	564.2	520.9	473.7	416.7	365.6	312.5	261.4	212.3
-50°	640.8	597.6	558.3	519.0	481.6	436.4	383.3	342.0	294.9	247.7	202.5
-52.5°	585.8	548.4	509.1	477.7	446.2	401.0	357.8	318.4	277.2	232.0	192.6
-55°	536.6	501.3	465.9	436.4	406.9	367.6	332.2	298.8	259.5	220.2	182.8
-57.5°	489.5	460.0	426.6	399.0	369.6	338.1	308.6	277.2	241.8	208.4	173.0
-60°	446.2	418.7	389.2	361.7	336.1	310.6	283.1	257.5	226.1	194.6	163.2
-62.5°	403.0	379.4	353.8	326.3	306.7	283.1	261.4	235.9	210.3	182.8	145.5
-65°	363.7	342.0	318.4	294.9	277.2	259.5	239.8	216.2	194.6	169.1	129.7
-67.5°	324.3	304.7	285.0	265.4	249.6	235.9	216.2	198.5	180.8	153.3	114.0
-70°	287.0	271.3	253.6	237.9	226.1	210.3	196.6	180.8	165.1	133.7	96.3
-72.5°	251.6	235.9	222.1	210.3	200.5	186.7	174.9	163.2	141.5	112.0	80.6
-75°	210.3	200.5	192.6	182.8	173.0	163.2	153.3	139.6	117.9	90.4	62.9
-77.5°	173.0	167.1	161.2	153.3	145.5	137.6	125.8	112.0	94.4	70.8	51.1
-80°	141.5	135.6	131.7	123.8	117.9	110.1	98.3	86.5	68.8	55.0	41.3
-82.5°	108.1	104.2	100.3	96.3	90.4	82.6	70.8	60.9	51.1	41.3	31.5
-85°	76.7	74.7	70.8	66.8	60.9	55.0	47.2	41.3	35.4	27.5	21.6
-87.5°	39.3	37.3	35.4	33.4	31.5	27.5	23.6	19.7	17.7	13.8	9.8
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	7.9	5.9	2.0	0.0
85°	15.7	9.8	3.9	0.0
82.5°	23.6	15.7	5.9	0.0
80°	31.5	19.7	9.8	0.0
77.5°	39.3	23.6	11.8	0.0
75°	47.2	29.5	13.8	0.0
72.5°	53.1	33.4	15.7	0.0
70°	62.9	39.3	17.7	0.0
67.5°	78.6	43.2	19.7	0.0
65°	92.4	47.2	21.6	0.0
62.5°	108.1	51.1	23.6	0.0
60°	121.9	55.0	25.6	0.0
57.5°	135.6	64.9	27.5	0.0
55°	147.4	72.7	29.5	0.0
52.5°	161.2	80.6	31.5	0.0
50°	173.0	88.5	33.4	0.0
47.5°	182.8	96.3	33.4	0.0
45°	190.7	102.2	35.4	0.0
42.5°	196.6	108.1	37.3	0.0
40°	202.5	114.0	39.3	0.0
37.5°	208.4	119.9	39.3	0.0
35°	214.3	125.8	41.3	0.0
32.5°	220.2	131.7	41.3	0.0
30°	224.1	135.6	43.2	0.0
27.5°	230.0	139.6	43.2	0.0
25°	232.0	143.5	45.2	0.0
22.5°	235.9	145.5	45.2	0.0
20°	239.8	149.4	45.2	0.0
17.5°	241.8	151.4	47.2	0.0
15°	241.8	153.3	49.1	0.0
12.5°	243.7	155.3	49.1	0.0
10°	243.7	159.2	47.2	0.0
7.5°	247.7	157.3	47.2	0.0
5°	245.7	157.3	47.2	0.0
2.5°	243.7	155.3	47.2	0.0
0°	241.8	155.3	47.2	0.0
-2.5°	241.8	155.3	47.2	0.0
-5°	241.8	155.3	47.2	0.0
-7.5°	239.8	157.3	47.2	0.0
-10°	235.9	157.3	47.2	0.0
-12.5°	233.9	151.4	47.2	0.0
-15°	232.0	149.4	47.2	0.0
-17.5°	228.0	147.4	45.2	0.0
-20°	224.1	145.5	45.2	0.0



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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	220.2	141.5	45.2	0.0
-25°	216.2	137.6	43.2	0.0
-27.5°	212.3	133.7	43.2	0.0
-30°	206.4	129.7	41.3	0.0
-32.5°	200.5	125.8	41.3	0.0
-35°	196.6	119.9	39.3	0.0
-37.5°	190.7	114.0	39.3	0.0
-40°	184.8	108.1	37.3	0.0
-42.5°	178.9	102.2	35.4	0.0
-45°	171.0	96.3	35.4	0.0
-47.5°	165.1	90.4	33.4	0.0
-50°	155.3	82.6	31.5	0.0
-52.5°	143.5	74.7	29.5	0.0
-55°	131.7	68.8	27.5	0.0
-57.5°	119.9	60.9	27.5	0.0
-60°	108.1	53.1	25.6	0.0
-62.5°	96.3	49.1	23.6	0.0
-65°	84.5	45.2	21.6	0.0
-67.5°	70.8	39.3	19.7	0.0
-70°	59.0	35.4	17.7	0.0
-72.5°	51.1	31.5	15.7	0.0
-75°	43.2	27.5	13.8	0.0
-77.5°	37.3	23.6	11.8	0.0
-80°	29.5	17.7	7.9	0.0
-82.5°	21.6	13.8	5.9	0.0
-85°	13.8	9.8	3.9	0.0
-87.5°	7.9	3.9	2.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)