

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: P722209

Luminaire Tested: **IFLD-M-SA4D-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722209
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-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

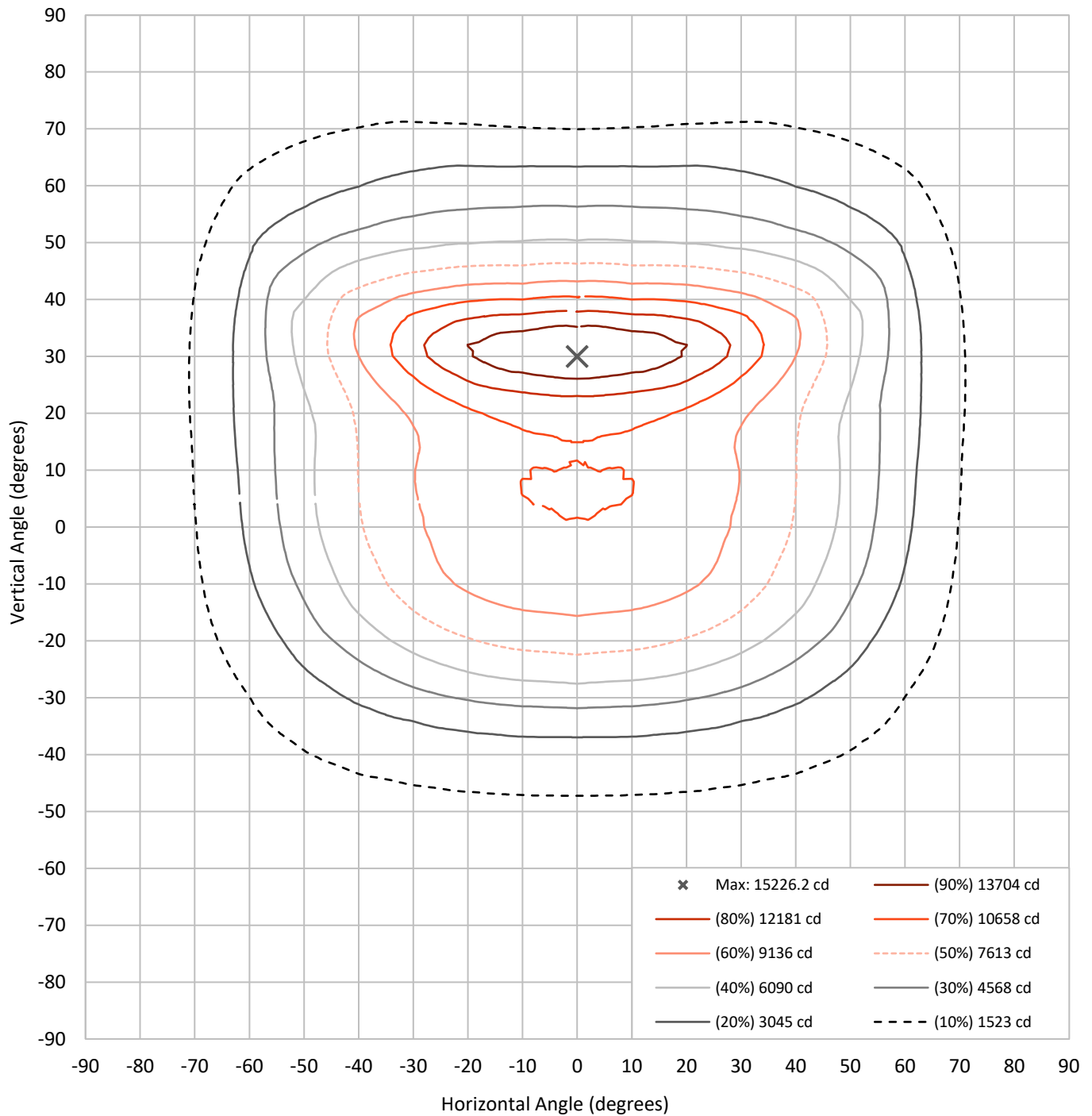
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	25416.3 lumens	Max Intensity:	15226.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	101.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	14779.9 lumens	Field Lumens:	23818.3 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 249.7
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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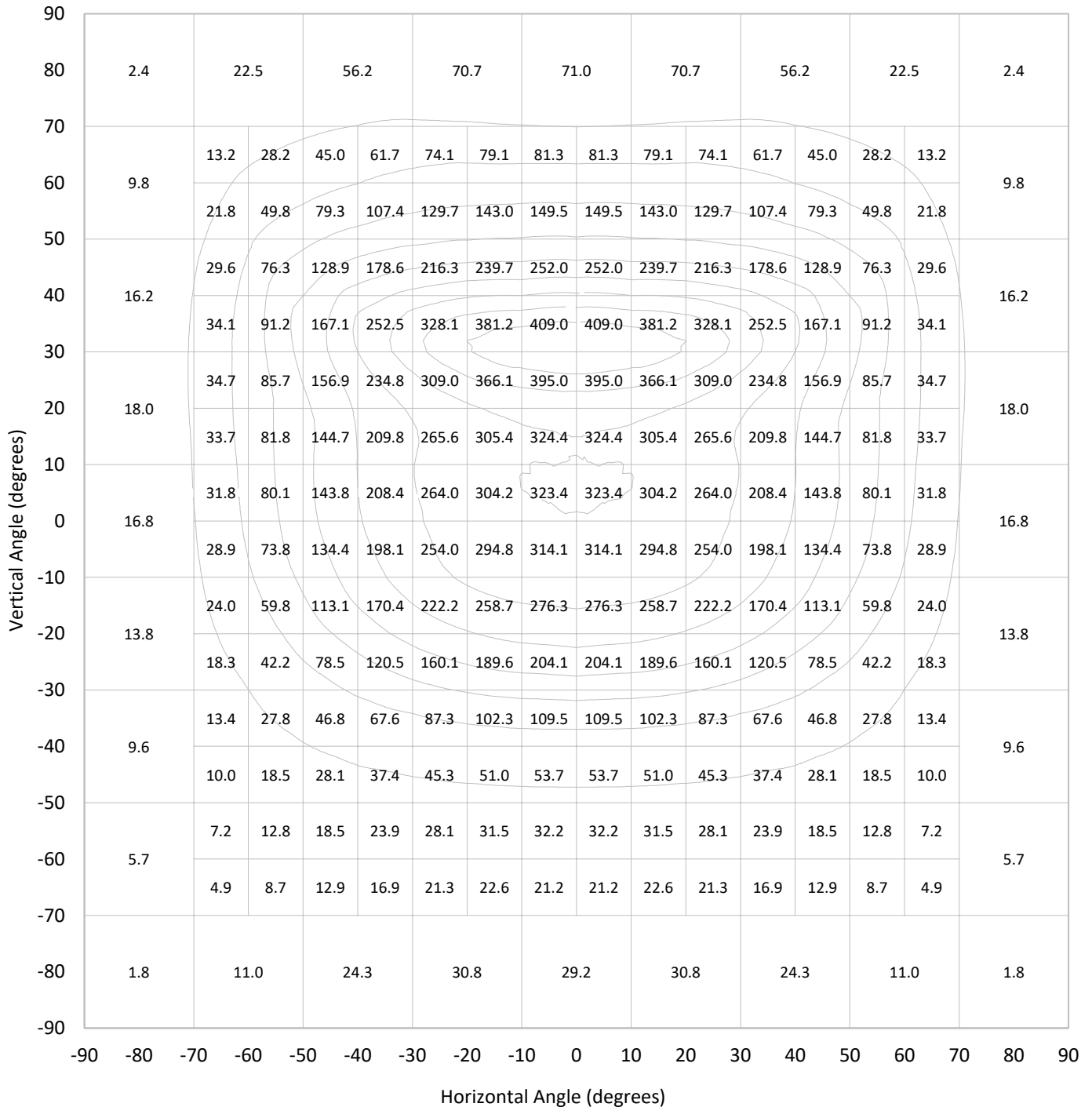
Iso-Candela Plot





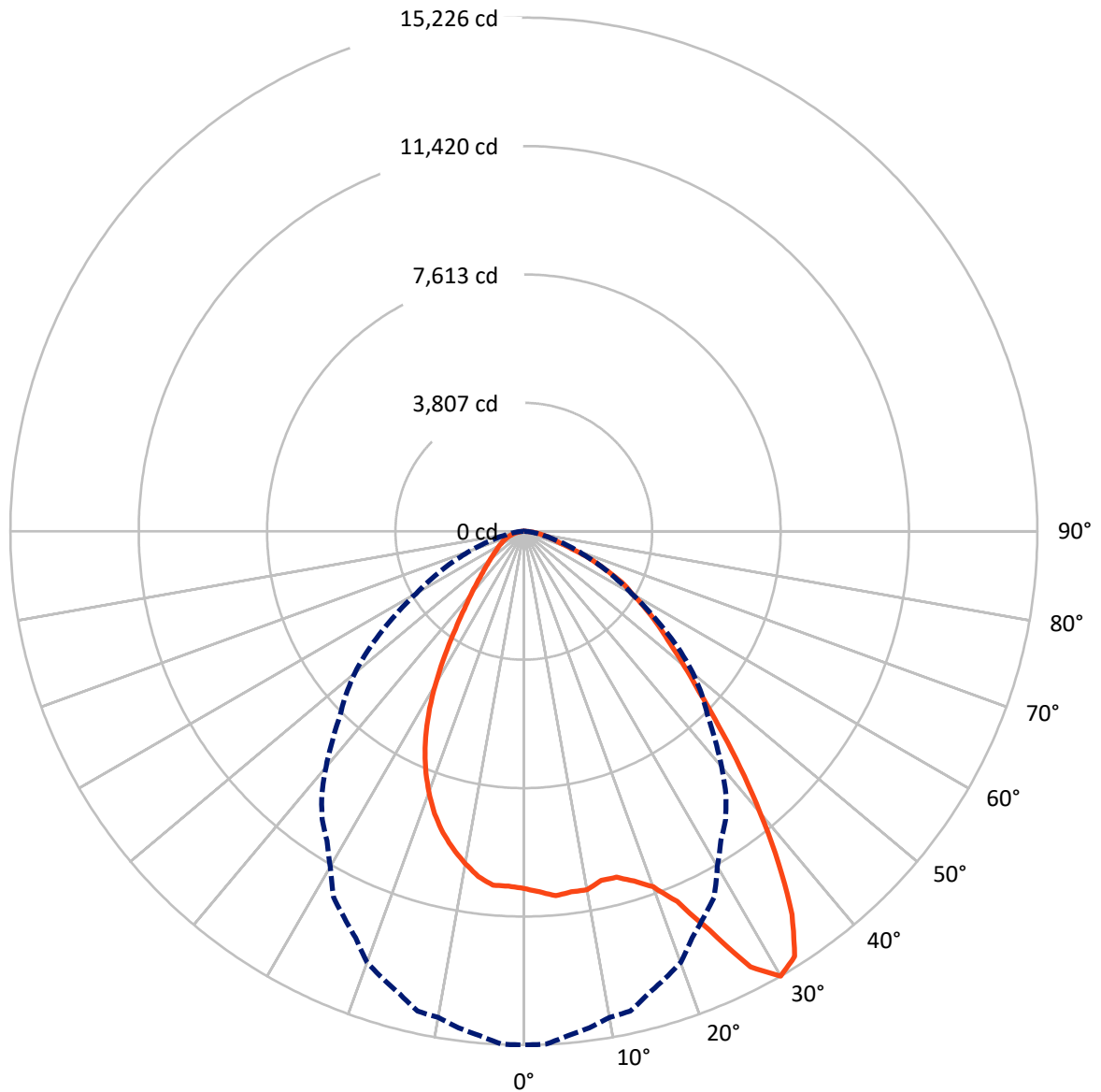
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Lumen Table



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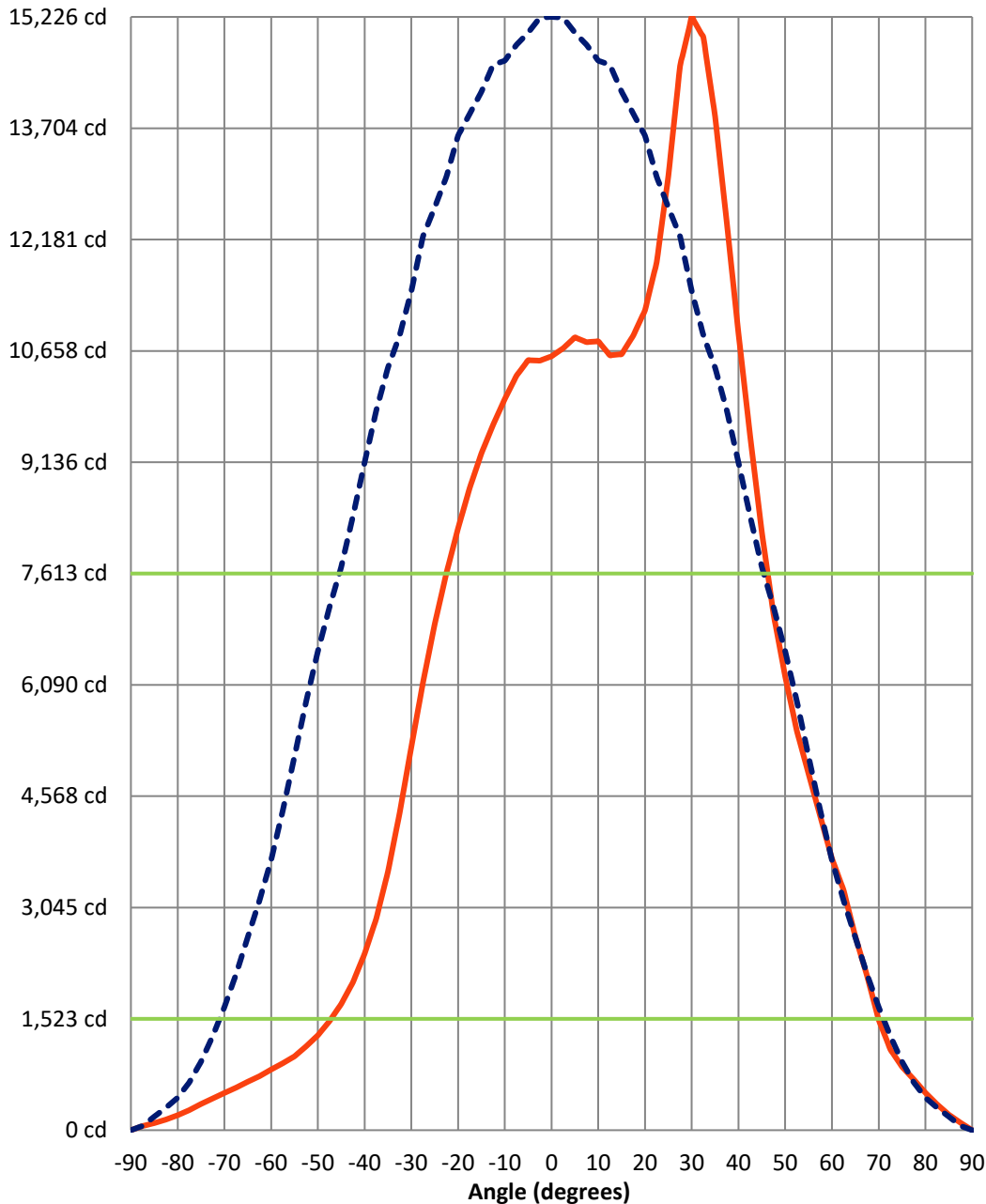
Luminous Intensity Polar Plot



— 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: 14779.9
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 23818.3
 Efficiency: 93.7%

Spill:
 Lumens: 1597.9
 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°	102.3	105.0	107.7	107.7	105.0	105.0	105.0	102.3	105.0	105.0	105.0
85°	212.7	218.1	223.5	220.8	218.1	212.7	207.3	210.0	212.7	215.4	215.4
82.5°	352.7	360.8	366.2	363.5	358.1	352.7	347.3	350.0	355.4	358.1	358.1
80°	511.6	514.3	517.0	522.3	514.3	514.3	511.6	522.3	527.7	533.1	538.5
77.5°	694.7	697.4	697.4	700.1	702.7	705.4	705.4	724.3	737.7	745.8	753.9
75°	867.0	875.1	883.1	891.2	902.0	907.4	915.5	942.4	963.9	980.1	996.2
72.5°	1103.9	1114.7	1128.2	1147.0	1165.9	1179.3	1198.2	1230.5	1254.7	1270.9	1289.7
70°	1510.5	1521.3	1534.7	1548.2	1567.0	1580.5	1599.4	1639.7	1664.0	1674.7	1685.5
67.5°	2113.6	2140.5	2164.8	2137.9	2124.4	2105.5	2110.9	2148.6	2172.9	2189.0	2186.3
65°	2649.4	2668.3	2668.3	2665.6	2654.8	2630.6	2644.0	2689.8	2716.7	2730.2	2689.8
62.5°	3279.5	3279.5	3266.0	3287.6	3290.2	3274.1	3266.0	3268.7	3271.4	3279.5	3212.2
60°	3715.7	3742.6	3750.7	3769.5	3774.9	3774.9	3788.4	3799.1	3799.1	3783.0	3704.9
57.5°	4291.9	4343.0	4353.8	4340.3	4313.4	4278.4	4273.0	4256.9	4224.6	4192.2	4154.5
55°	4873.4	4900.4	4897.7	4889.6	4862.7	4822.3	4827.7	4806.1	4755.0	4714.6	4663.4
52.5°	5457.7	5522.3	5533.1	5517.0	5479.3	5436.2	5438.9	5414.6	5363.5	5320.4	5250.4
50°	6203.5	6257.4	6252.0	6225.1	6171.2	6138.9	6141.6	6095.8	6036.6	6023.1	5931.6
47.5°	7057.1	7119.0	7108.2	7070.5	6997.8	6984.4	6997.8	6938.6	6903.6	6874.0	6766.3
45°	8177.2	8249.9	8209.5	8136.8	8021.0	8034.5	8053.3	8042.5	7967.1	7889.1	7751.7
42.5°	9491.1	9536.9	9488.4	9415.7	9270.3	9297.2	9286.5	9221.9	9176.1	9046.8	8871.8
40°	10896.6	10996.2	10920.8	10807.7	10657.0	10697.3	10667.7	10584.3	10476.6	10315.0	10094.2
37.5°	12412.5	12490.6	12404.4	12272.5	12137.8	12124.4	12065.1	11935.9	11782.4	11604.7	11252.0
35°	13863.7	14065.7	13906.8	13696.8	13532.6	13470.6	13414.1	13115.2	12940.2	12652.1	12170.2
32.5°	14943.4	15091.5	14895.0	14676.9	14477.6	14391.5	14192.2	13836.8	13742.6	13136.8	12695.2
30°	15226.2	15215.4	15010.8	14843.8	14628.4	14569.2	14203.0	13901.4	13599.9	13039.8	12619.8
27.5°	14553.0	14485.7	14289.2	14143.8	13931.1	13861.1	13500.3	13338.7	12872.9	12399.0	12043.6
25°	13053.3	13088.3	12940.2	12867.5	12727.5	12576.7	12434.0	12215.9	11925.1	11510.5	11184.7
22.5°	11871.3	11917.1	11855.1	11769.0	11661.3	11577.8	11470.1	11300.5	11020.5	10764.7	10457.7
20°	11214.3	11200.8	11147.0	11082.4	10980.1	10920.8	10802.4	10659.7	10444.3	10223.5	9892.3
17.5°	10869.7	10786.2	10735.0	10710.8	10657.0	10581.6	10441.6	10296.2	10129.2	9878.8	9636.5
15°	10613.9	10627.3	10587.0	10568.1	10525.0	10420.0	10277.3	10158.8	9932.7	9806.1	9585.3
12.5°	10597.7	10584.3	10587.0	10578.9	10525.0	10390.4	10317.7	10166.9	10021.5	9854.6	9601.5
10°	10788.9	10646.2	10657.0	10694.7	10608.5	10500.8	10422.7	10258.5	10121.2	9908.4	9658.0
7.5°	10778.1	10705.4	10727.0	10665.0	10692.0	10560.0	10452.3	10288.1	10115.8	9889.6	9663.4
5°	10842.7	10732.4	10713.5	10718.9	10651.6	10552.0	10406.6	10250.4	10088.8	9835.7	9604.2
2.5°	10694.7	10710.8	10624.7	10592.3	10584.3	10417.3	10282.7	10131.9	9965.0	9741.5	9534.2
0°	10584.3	10613.9	10525.0	10479.3	10476.6	10333.9	10247.7	10075.4	9956.9	9771.1	9520.7
-2.5°	10525.0	10560.0	10570.8	10487.3	10406.6	10296.2	10150.8	9965.0	9771.1	9555.7	9340.3
-5°	10530.4	10460.4	10430.8	10457.7	10387.7	10277.3	10115.8	9951.5	9760.4	9528.8	9259.5
-7.5°	10317.7	10247.7	10242.3	10228.9	10212.7	10107.7	9973.1	9795.4	9601.5	9386.1	9135.7
-10°	10000.0	9948.8	9935.4	9921.9	9878.8	9816.9	9690.4	9528.8	9353.8	9138.4	8871.8
-12.5°	9647.3	9623.0	9571.9	9536.9	9493.8	9421.1	9299.9	9151.8	8976.8	8785.7	8556.8
-15°	9256.9	9211.1	9159.9	9130.3	9068.4	8982.2	8861.1	8723.7	8532.6	8344.1	8128.7
-17.5°	8785.7	8729.1	8672.6	8664.5	8621.4	8489.5	8376.4	8209.5	8042.5	7862.1	7652.1
-20°	8231.0	8152.9	8115.2	8093.7	8034.5	7937.5	7816.4	7662.9	7501.3	7329.0	7086.7



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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°	7617.1	7549.8	7485.2	7444.8	7393.6	7318.2	7202.5	7067.8	6909.0	6715.1	6491.6
-25°	6919.8	6825.5	6785.1	6739.4	6712.4	6642.4	6529.3	6405.5	6241.2	6052.8	5840.1
-27.5°	6122.8	6047.4	6025.8	5961.2	5928.9	5856.2	5762.0	5646.2	5495.4	5317.7	5142.7
-30°	5242.3	5196.5	5161.5	5096.9	5072.7	4994.6	4932.7	4835.8	4698.4	4571.9	4431.9
-32.5°	4337.6	4291.9	4281.1	4251.5	4235.3	4184.2	4114.2	4044.2	3933.8	3839.5	3726.4
-35°	3535.3	3503.0	3505.7	3503.0	3486.8	3449.1	3362.9	3344.1	3263.3	3177.2	3104.5
-37.5°	2894.5	2897.1	2894.5	2891.8	2870.2	2854.1	2792.1	2767.9	2719.4	2636.0	2592.9
-40°	2412.5	2417.9	2415.2	2409.8	2385.6	2377.5	2337.1	2304.8	2285.9	2226.7	2180.9
-42.5°	2022.1	2030.2	2027.5	2024.8	2008.6	2005.9	1984.4	1946.7	1935.9	1900.9	1852.4
-45°	1725.9	1723.2	1717.8	1723.2	1715.1	1707.1	1693.6	1669.4	1655.9	1639.7	1599.4
-47.5°	1491.7	1494.3	1489.0	1489.0	1478.2	1470.1	1464.7	1448.6	1437.8	1424.3	1400.1
-50°	1297.8	1308.6	1305.9	1303.2	1295.1	1289.7	1289.7	1273.6	1257.4	1252.0	1235.9
-52.5°	1147.0	1155.1	1157.8	1163.2	1165.9	1168.6	1160.5	1144.3	1117.4	1114.7	1106.6
-55°	1009.7	1033.9	1050.1	1060.8	1071.6	1079.7	1063.5	1042.0	1015.1	1004.3	1001.6
-57.5°	915.5	939.7	958.5	974.7	988.2	1001.6	985.5	963.9	939.7	926.2	923.5
-60°	829.3	850.8	869.7	891.2	910.1	931.6	923.5	907.4	893.9	883.1	872.4
-62.5°	737.7	759.3	780.8	807.8	832.0	853.5	856.2	853.5	850.8	853.5	834.7
-65°	662.4	673.1	686.6	716.2	743.1	767.4	780.8	788.9	802.4	815.8	797.0
-67.5°	581.6	595.0	611.2	632.7	654.3	670.4	689.3	710.8	732.4	753.9	740.4
-70°	508.9	519.7	533.1	543.9	557.3	568.1	584.3	608.5	632.7	654.3	648.9
-72.5°	433.5	444.3	452.3	457.7	465.8	471.2	479.3	500.8	517.0	527.7	527.7
-75°	358.1	368.9	377.0	379.6	385.0	387.7	393.1	401.2	409.3	412.0	414.6
-77.5°	274.6	285.4	293.5	298.9	304.3	309.6	312.3	317.7	320.4	320.4	323.1
-80°	204.6	212.7	218.1	226.2	228.9	234.2	239.6	242.3	245.0	245.0	247.7
-82.5°	145.4	150.8	156.2	161.6	166.9	169.6	175.0	177.7	180.4	183.1	185.8
-85°	96.9	102.3	107.7	113.1	115.8	118.5	121.2	123.9	126.5	129.2	131.9
-87.5°	56.5	59.2	61.9	67.3	70.0	75.4	78.1	75.4	78.1	78.1	78.1
-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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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°	105.0	105.0	105.0	105.0	102.3	96.9	94.2	88.9	83.5	78.1	72.7
85°	218.1	220.8	220.8	220.8	215.4	212.7	204.6	196.6	185.8	169.6	156.2
82.5°	363.5	366.2	366.2	363.5	358.1	350.0	339.3	325.8	304.3	282.7	263.9
80°	546.6	549.3	549.3	546.6	533.1	519.7	506.2	490.0	463.1	433.5	401.2
77.5°	764.7	770.1	770.1	762.0	743.1	727.0	705.4	678.5	638.1	595.0	552.0
75°	1017.8	1031.2	1033.9	1025.8	1001.6	972.0	937.0	891.2	829.3	775.4	724.3
72.5°	1311.3	1324.7	1335.5	1324.7	1289.7	1249.3	1198.2	1144.3	1082.4	1009.7	923.5
70°	1696.3	1709.7	1717.8	1682.8	1620.9	1553.6	1491.7	1429.7	1357.0	1268.2	1173.9
67.5°	2180.9	2167.5	2151.3	2081.3	2003.2	1922.5	1836.3	1744.7	1650.5	1556.3	1445.9
65°	2646.7	2609.0	2574.0	2490.6	2391.0	2285.9	2186.3	2084.0	1970.9	1852.4	1747.4
62.5°	3136.8	3056.0	2969.8	2867.5	2765.2	2649.4	2549.8	2428.6	2302.1	2156.7	2022.1
60°	3618.7	3521.8	3435.6	3309.1	3174.5	3018.3	2910.6	2792.1	2644.0	2487.9	2329.0
57.5°	4084.5	3979.5	3885.3	3774.9	3629.5	3459.9	3341.4	3187.9	3031.8	2835.2	2673.7
55°	4580.0	4475.0	4399.6	4275.7	4116.9	3960.7	3831.4	3669.9	3451.8	3241.8	3042.5
52.5°	5148.1	5064.6	4983.8	4857.3	4666.1	4507.3	4364.6	4184.2	3955.3	3696.8	3457.2
50°	5783.5	5740.4	5654.3	5506.2	5288.1	5148.1	4959.6	4720.0	4475.0	4203.0	3904.1
47.5°	6626.3	6556.3	6435.1	6273.6	6090.5	5880.4	5627.3	5347.3	5000.0	4698.4	4380.7
45°	7633.3	7504.0	7347.9	7129.8	6903.6	6666.7	6389.3	6033.9	5568.1	5175.0	4841.1
42.5°	8723.7	8548.7	8336.0	8050.6	7757.1	7466.3	7167.5	6682.8	6101.2	5648.9	5271.9
40°	9862.7	9639.2	9372.6	8958.0	8632.2	8257.9	7916.0	7191.7	6572.4	6082.4	5681.2
37.5°	10977.4	10694.7	10247.7	9744.2	9364.6	9057.6	8306.4	7531.0	6976.3	6437.8	6031.2
35°	11830.9	11591.3	10802.4	10280.0	9954.2	9469.6	8529.9	7735.6	7148.6	6701.7	6068.9
32.5°	12337.1	11717.8	11025.8	10498.1	10228.9	9434.6	8546.0	7794.8	7229.4	6728.6	5972.0
30°	12224.0	11475.5	10869.7	10428.1	9843.8	9130.3	8395.3	7703.3	7154.0	6548.2	5864.3
27.5°	11542.8	10963.9	10422.7	9962.3	9388.8	8748.0	8069.5	7461.0	6949.4	6362.4	5716.2
25°	10772.7	10247.7	9846.5	9445.3	8901.4	8290.2	7692.5	7253.6	6739.4	6160.5	5522.3
22.5°	10064.6	9687.7	9372.6	8952.6	8422.2	7889.1	7517.5	7062.5	6534.7	5947.8	5323.1
20°	9612.3	9356.5	8995.7	8532.6	8115.2	7781.4	7369.4	6887.4	6343.6	5729.7	5153.5
17.5°	9394.2	9098.0	8696.8	8395.3	8074.8	7708.7	7248.2	6736.7	6157.8	5630.0	5172.3
15°	9281.1	8968.8	8704.9	8408.7	8047.9	7662.9	7151.3	6620.9	6157.8	5670.4	5185.8
12.5°	9305.3	9036.1	8748.0	8424.9	8037.1	7625.2	7162.1	6669.4	6190.1	5700.0	5188.5
10°	9380.7	9098.0	8791.1	8432.9	8042.5	7636.0	7191.7	6699.0	6206.2	5713.5	5183.1
7.5°	9407.6	9100.7	8772.2	8411.4	8029.1	7630.6	7197.1	6707.0	6208.9	5710.8	5166.9
5°	9324.2	9046.8	8729.1	8365.6	7991.4	7603.7	7175.5	6696.3	6187.4	5683.9	5126.5
2.5°	9211.1	8987.6	8683.4	8333.3	7953.7	7566.0	7140.5	6647.8	6138.9	5635.4	5075.4
0°	9192.2	8914.9	8608.0	8295.6	7891.8	7482.5	7059.8	6556.3	6050.1	5543.9	4986.5
-2.5°	9068.4	8774.9	8467.9	8128.7	7773.3	7361.3	6917.1	6424.3	5923.5	5425.4	4889.6
-5°	8974.1	8648.3	8322.6	7956.4	7598.3	7186.3	6725.9	6246.6	5756.6	5271.9	4755.0
-7.5°	8847.6	8513.7	8171.8	7789.4	7401.7	6981.7	6526.6	6047.4	5565.4	5083.5	4588.0
-10°	8591.8	8298.3	7977.9	7582.1	7172.9	6752.8	6300.5	5829.3	5347.3	4860.0	4361.9
-12.5°	8282.2	7972.5	7622.5	7259.0	6892.8	6502.4	6050.1	5587.0	5102.3	4612.3	4116.9
-15°	7881.0	7576.7	7218.6	6863.2	6510.5	6136.2	5737.7	5320.4	4827.7	4345.7	3850.3
-17.5°	7380.2	7094.8	6774.4	6435.1	6085.1	5708.1	5320.4	4967.7	4507.3	4054.9	3564.9
-20°	6841.7	6575.1	6287.0	5966.6	5616.6	5247.7	4881.5	4512.6	4114.2	3715.7	3260.6



REPORT NUMBER: P722209
 CATALOG NUMBER: IFLD-M-SA4D-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°	6281.6	6012.4	5721.6	5422.7	5099.6	4757.7	4418.4	4065.7	3715.7	3354.9	2969.8
-25°	5635.4	5398.5	5131.9	4841.1	4553.0	4254.2	3931.1	3610.7	3311.8	2999.5	2684.4
-27.5°	4959.6	4741.5	4499.2	4246.1	3998.4	3748.0	3468.0	3171.8	2924.1	2665.6	2404.4
-30°	4248.8	4073.8	3877.2	3656.4	3465.3	3263.3	3029.1	2784.1	2557.9	2361.3	2151.3
-32.5°	3575.7	3427.6	3287.6	3142.2	2953.7	2797.5	2636.0	2455.6	2256.3	2070.5	1919.8
-35°	2996.8	2837.9	2778.7	2671.0	2536.3	2399.0	2280.6	2151.3	2000.5	1836.3	1712.4
-37.5°	2509.4	2415.2	2331.7	2272.5	2183.6	2073.2	1979.0	1884.8	1769.0	1645.1	1521.3
-40°	2129.8	2065.2	1973.6	1944.0	1887.5	1812.1	1715.1	1642.4	1564.3	1470.1	1365.1
-42.5°	1825.5	1777.1	1717.8	1666.7	1642.4	1588.6	1513.2	1443.2	1381.3	1316.6	1235.9
-45°	1575.1	1542.8	1505.1	1459.3	1440.5	1397.4	1343.6	1265.5	1230.5	1176.6	1117.4
-47.5°	1373.2	1357.0	1330.1	1300.5	1273.6	1241.2	1192.8	1144.3	1095.9	1060.8	1015.1
-50°	1214.3	1203.6	1187.4	1163.2	1128.2	1106.6	1074.3	1031.2	985.5	955.8	923.5
-52.5°	1087.8	1077.0	1066.2	1047.4	1020.5	998.9	972.0	937.0	899.3	869.7	842.8
-55°	990.8	974.7	966.6	950.5	928.9	904.7	880.5	856.2	823.9	797.0	770.1
-57.5°	915.5	893.9	883.1	869.7	848.1	823.9	805.1	780.8	759.3	729.7	705.4
-60°	856.2	832.0	810.4	797.0	778.1	753.9	735.1	716.2	694.7	670.4	640.8
-62.5°	807.8	778.1	748.5	732.4	713.5	692.0	673.1	654.3	632.7	608.5	581.6
-65°	762.0	727.0	689.3	673.1	654.3	632.7	608.5	595.0	576.2	554.7	527.7
-67.5°	705.4	667.7	635.4	616.6	597.7	578.9	557.3	543.9	525.0	498.1	471.2
-70°	622.0	597.7	576.2	560.0	543.9	527.7	506.2	484.7	463.1	438.9	414.6
-72.5°	517.0	508.9	506.2	498.1	479.3	460.4	438.9	417.3	398.5	379.6	360.8
-75°	417.3	422.7	428.1	425.4	406.6	387.7	368.9	350.0	336.6	320.4	304.3
-77.5°	331.2	336.6	341.9	341.9	328.5	317.7	304.3	290.8	280.0	266.6	250.4
-80°	255.8	263.9	271.9	277.3	266.6	258.5	247.7	236.9	226.2	215.4	204.6
-82.5°	193.9	201.9	210.0	215.4	207.3	201.9	193.9	185.8	177.7	166.9	158.9
-85°	140.0	145.4	150.8	153.5	148.1	142.7	137.3	131.9	126.5	118.5	113.1
-87.5°	80.8	83.5	86.2	88.9	83.5	78.1	75.4	70.0	67.3	61.9	59.2
-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°	67.3	61.9	56.5	53.9	48.5	40.4	35.0	29.6	24.2	18.8	16.2
85°	142.7	129.2	113.1	105.0	94.2	83.5	72.7	61.9	51.2	40.4	29.6
82.5°	245.0	228.9	212.7	193.9	169.6	140.0	110.4	91.5	75.4	59.2	45.8
80°	368.9	339.3	312.3	288.1	261.2	223.5	183.1	145.4	102.3	78.1	59.2
77.5°	511.6	476.6	438.9	398.5	355.4	304.3	258.5	210.0	158.9	107.7	75.4
75°	673.1	627.4	576.2	519.7	463.1	395.8	331.2	274.6	215.4	150.8	91.5
72.5°	853.5	797.0	735.1	659.7	570.8	492.7	414.6	339.3	269.3	191.2	123.9
70°	1085.1	996.2	904.7	823.9	710.8	587.0	495.4	409.3	320.4	234.2	156.2
67.5°	1332.8	1225.1	1114.7	996.2	853.5	708.1	576.2	479.3	374.3	274.6	185.8
65°	1602.0	1467.4	1327.4	1195.5	998.9	826.6	678.5	546.6	425.4	312.3	215.4
62.5°	1879.4	1720.5	1559.0	1386.6	1160.5	947.8	775.4	622.0	473.9	347.3	242.3
60°	2175.5	1989.8	1793.2	1577.8	1313.9	1079.7	867.0	700.1	525.0	382.3	271.9
57.5°	2487.9	2285.9	2054.4	1763.6	1472.8	1206.2	972.0	770.1	570.8	414.6	293.5
55°	2827.1	2595.6	2342.5	1957.5	1629.0	1332.8	1077.0	840.1	619.3	441.6	315.0
52.5°	3193.3	2924.1	2603.7	2162.1	1793.2	1462.0	1173.9	902.0	665.1	471.2	333.9
50°	3602.6	3263.3	2832.5	2350.6	1935.9	1583.2	1270.9	969.3	702.7	503.5	350.0
47.5°	4028.0	3661.8	3037.2	2525.6	2081.3	1701.7	1370.5	1028.5	740.4	530.4	366.2
45°	4472.3	3939.1	3249.9	2681.7	2207.9	1809.4	1445.9	1082.4	786.2	554.7	379.6
42.5°	4911.1	4149.2	3435.6	2837.9	2326.3	1906.3	1507.8	1133.5	823.9	578.9	393.1
40°	5118.5	4308.0	3583.7	2945.6	2426.0	1992.5	1561.7	1179.3	856.2	595.0	406.6
37.5°	5204.6	4404.9	3680.7	3047.9	2504.0	2038.2	1607.4	1219.7	883.1	611.2	417.3
35°	5223.5	4440.0	3729.1	3117.9	2568.7	2081.3	1642.4	1249.3	904.7	627.4	428.1
32.5°	5188.5	4429.2	3742.6	3142.2	2609.0	2113.6	1666.7	1270.9	920.8	643.5	438.9
30°	5110.4	4372.6	3694.1	3139.5	2638.7	2132.5	1682.8	1287.0	937.0	654.3	444.3
27.5°	4983.8	4273.0	3632.2	3142.2	2654.8	2140.5	1690.9	1295.1	947.8	662.4	455.0
25°	4827.7	4138.4	3634.9	3136.8	2657.5	2143.2	1690.9	1295.1	950.5	665.1	463.1
22.5°	4647.3	4138.4	3634.9	3128.7	2641.4	2137.9	1682.8	1289.7	950.5	670.4	471.2
20°	4658.0	4141.1	3626.8	3112.5	2617.1	2121.7	1664.0	1276.3	942.4	678.5	476.6
17.5°	4666.1	4135.7	3610.7	3091.0	2584.8	2094.8	1639.7	1257.4	942.4	686.6	479.3
15°	4666.1	4119.5	3586.4	3058.7	2544.4	2057.1	1604.7	1241.2	945.1	689.3	484.7
12.5°	4658.0	4089.9	3548.7	3015.6	2496.0	2011.3	1583.2	1235.9	945.1	692.0	484.7
10°	4641.9	4049.5	3500.3	2961.8	2450.2	1995.2	1572.4	1225.1	939.7	692.0	484.7
7.5°	4612.3	4001.1	3459.9	2929.5	2423.3	1976.3	1556.3	1208.9	931.6	686.6	490.0
5°	4566.5	3974.1	3427.6	2891.8	2385.6	1962.8	1545.5	1195.5	926.2	686.6	484.7
2.5°	4507.3	3941.8	3389.9	2843.3	2342.5	1917.1	1510.5	1165.9	907.4	675.8	479.3
0°	4410.3	3877.2	3325.3	2776.0	2283.3	1871.3	1475.5	1136.2	888.5	665.1	473.9
-2.5°	4321.5	3791.1	3241.8	2706.0	2226.7	1830.9	1448.6	1120.1	880.5	662.4	471.2
-5°	4197.6	3672.6	3131.4	2614.4	2151.3	1790.5	1421.6	1101.2	872.4	657.0	471.2
-7.5°	4060.3	3548.7	3015.6	2520.2	2075.9	1720.5	1370.5	1071.6	853.5	646.2	468.5
-10°	3847.6	3362.9	2870.2	2412.5	1995.2	1658.6	1327.4	1044.7	837.4	635.4	457.7
-12.5°	3621.4	3158.3	2703.3	2280.6	1903.6	1594.0	1278.9	1015.1	818.5	624.7	452.3
-15°	3381.8	2948.3	2528.3	2143.2	1804.0	1515.9	1227.8	982.8	799.7	611.2	444.3
-17.5°	3131.4	2727.5	2347.9	2003.2	1704.4	1435.1	1173.9	953.1	778.1	597.7	436.2
-20°	2867.5	2501.3	2164.8	1860.5	1599.4	1354.3	1117.4	918.1	753.9	581.6	425.4



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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°	2606.4	2277.9	1976.3	1720.5	1491.7	1270.9	1060.8	883.1	727.0	562.7	417.3
-25°	2374.8	2067.8	1809.4	1585.9	1386.6	1190.1	1001.6	848.1	697.4	543.9	406.6
-27.5°	2148.6	1887.5	1645.1	1459.3	1284.3	1112.0	945.1	810.4	667.7	522.3	395.8
-30°	1938.6	1715.1	1515.9	1335.5	1187.4	1042.0	896.6	772.8	635.4	500.8	382.3
-32.5°	1747.4	1567.0	1400.1	1227.8	1095.9	972.0	850.8	735.1	603.1	479.3	368.9
-35°	1569.7	1429.7	1284.3	1138.9	1004.3	907.4	802.4	694.7	573.5	455.0	355.4
-37.5°	1410.9	1297.8	1182.0	1058.2	942.4	845.4	756.6	654.3	543.9	433.5	341.9
-40°	1273.6	1182.0	1079.7	980.1	883.1	791.6	710.8	613.9	514.3	417.3	328.5
-42.5°	1147.0	1077.0	993.5	910.1	823.9	743.1	665.1	570.8	484.7	398.5	315.0
-45°	1050.1	980.1	912.8	837.4	764.7	694.7	616.6	533.1	457.7	377.0	301.6
-47.5°	958.5	896.6	834.7	772.8	713.5	648.9	570.8	500.8	428.1	358.1	290.8
-50°	877.8	818.5	764.7	710.8	659.7	597.7	525.0	468.5	403.9	339.3	277.3
-52.5°	802.4	751.2	697.4	654.3	611.2	549.3	490.0	436.2	379.6	317.7	263.9
-55°	735.1	686.6	638.1	597.7	557.3	503.5	455.0	409.3	355.4	301.6	250.4
-57.5°	670.4	630.0	584.3	546.6	506.2	463.1	422.7	379.6	331.2	285.4	236.9
-60°	611.2	573.5	533.1	495.4	460.4	425.4	387.7	352.7	309.6	266.6	223.5
-62.5°	552.0	519.7	484.7	447.0	420.0	387.7	358.1	323.1	288.1	250.4	199.2
-65°	498.1	468.5	436.2	403.9	379.6	355.4	328.5	296.2	266.6	231.6	177.7
-67.5°	444.3	417.3	390.4	363.5	341.9	323.1	296.2	271.9	247.7	210.0	156.2
-70°	393.1	371.6	347.3	325.8	309.6	288.1	269.3	247.7	226.2	183.1	131.9
-72.5°	344.6	323.1	304.3	288.1	274.6	255.8	239.6	223.5	193.9	153.5	110.4
-75°	288.1	274.6	263.9	250.4	236.9	223.5	210.0	191.2	161.6	123.9	86.2
-77.5°	236.9	228.9	220.8	210.0	199.2	188.5	172.3	153.5	129.2	96.9	70.0
-80°	193.9	185.8	180.4	169.6	161.6	150.8	134.6	118.5	94.2	75.4	56.5
-82.5°	148.1	142.7	137.3	131.9	123.9	113.1	96.9	83.5	70.0	56.5	43.1
-85°	105.0	102.3	96.9	91.5	83.5	75.4	64.6	56.5	48.5	37.7	29.6
-87.5°	53.9	51.2	48.5	45.8	43.1	37.7	32.3	26.9	24.2	18.8	13.5
-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°	10.8	8.1	2.7	0.0
85°	21.5	13.5	5.4	0.0
82.5°	32.3	21.5	8.1	0.0
80°	43.1	26.9	13.5	0.0
77.5°	53.9	32.3	16.2	0.0
75°	64.6	40.4	18.8	0.0
72.5°	72.7	45.8	21.5	0.0
70°	86.2	53.9	24.2	0.0
67.5°	107.7	59.2	26.9	0.0
65°	126.5	64.6	29.6	0.0
62.5°	148.1	70.0	32.3	0.0
60°	166.9	75.4	35.0	0.0
57.5°	185.8	88.9	37.7	0.0
55°	201.9	99.6	40.4	0.0
52.5°	220.8	110.4	43.1	0.0
50°	236.9	121.2	45.8	0.0
47.5°	250.4	131.9	45.8	0.0
45°	261.2	140.0	48.5	0.0
42.5°	269.3	148.1	51.2	0.0
40°	277.3	156.2	53.9	0.0
37.5°	285.4	164.2	53.9	0.0
35°	293.5	172.3	56.5	0.0
32.5°	301.6	180.4	56.5	0.0
30°	306.9	185.8	59.2	0.0
27.5°	315.0	191.2	59.2	0.0
25°	317.7	196.6	61.9	0.0
22.5°	323.1	199.2	61.9	0.0
20°	328.5	204.6	61.9	0.0
17.5°	331.2	207.3	64.6	0.0
15°	331.2	210.0	67.3	0.0
12.5°	333.9	212.7	67.3	0.0
10°	333.9	218.1	64.6	0.0
7.5°	339.3	215.4	64.6	0.0
5°	336.6	215.4	64.6	0.0
2.5°	333.9	212.7	64.6	0.0
0°	331.2	212.7	64.6	0.0
-2.5°	331.2	212.7	64.6	0.0
-5°	331.2	212.7	64.6	0.0
-7.5°	328.5	215.4	64.6	0.0
-10°	323.1	215.4	64.6	0.0
-12.5°	320.4	207.3	64.6	0.0
-15°	317.7	204.6	64.6	0.0
-17.5°	312.3	201.9	61.9	0.0
-20°	306.9	199.2	61.9	0.0



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 CATALOG NUMBER: IFLD-M-SA4D-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	301.6	193.9	61.9	0.0
-25°	296.2	188.5	59.2	0.0
-27.5°	290.8	183.1	59.2	0.0
-30°	282.7	177.7	56.5	0.0
-32.5°	274.6	172.3	56.5	0.0
-35°	269.3	164.2	53.9	0.0
-37.5°	261.2	156.2	53.9	0.0
-40°	253.1	148.1	51.2	0.0
-42.5°	245.0	140.0	48.5	0.0
-45°	234.2	131.9	48.5	0.0
-47.5°	226.2	123.9	45.8	0.0
-50°	212.7	113.1	43.1	0.0
-52.5°	196.6	102.3	40.4	0.0
-55°	180.4	94.2	37.7	0.0
-57.5°	164.2	83.5	37.7	0.0
-60°	148.1	72.7	35.0	0.0
-62.5°	131.9	67.3	32.3	0.0
-65°	115.8	61.9	29.6	0.0
-67.5°	96.9	53.9	26.9	0.0
-70°	80.8	48.5	24.2	0.0
-72.5°	70.0	43.1	21.5	0.0
-75°	59.2	37.7	18.8	0.0
-77.5°	51.2	32.3	16.2	0.0
-80°	40.4	24.2	10.8	0.0
-82.5°	29.6	18.8	8.1	0.0
-85°	18.8	13.5	5.4	0.0
-87.5°	10.8	5.4	2.7	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)