

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: P722187

Luminaire Tested: **IFLD-L-SA8A-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722187
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (128) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

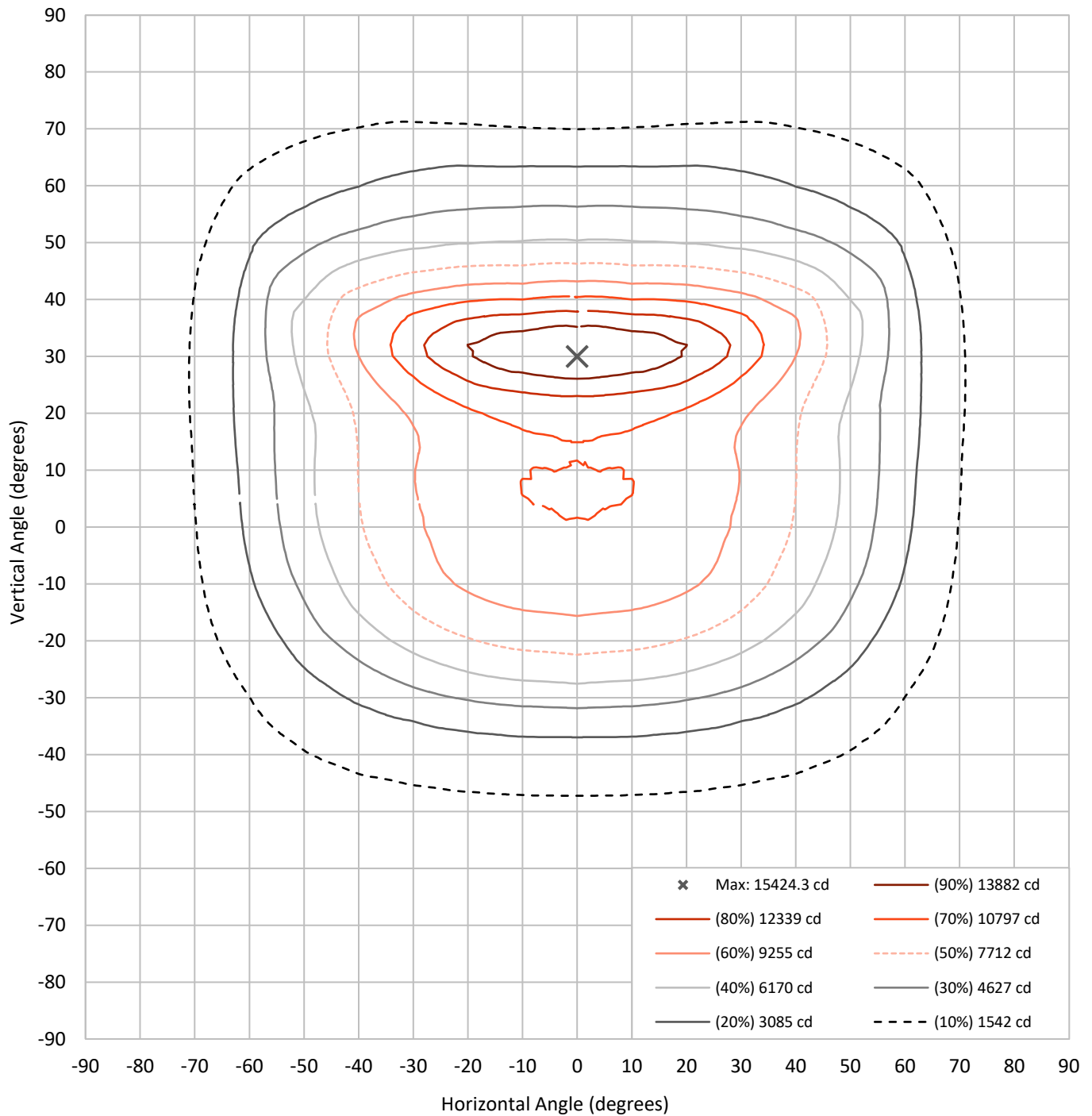
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	25747.1 lumens	Max Intensity:	15424.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	103.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	14972.2 lumens	Field Lumens:	24128.4 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 247.8
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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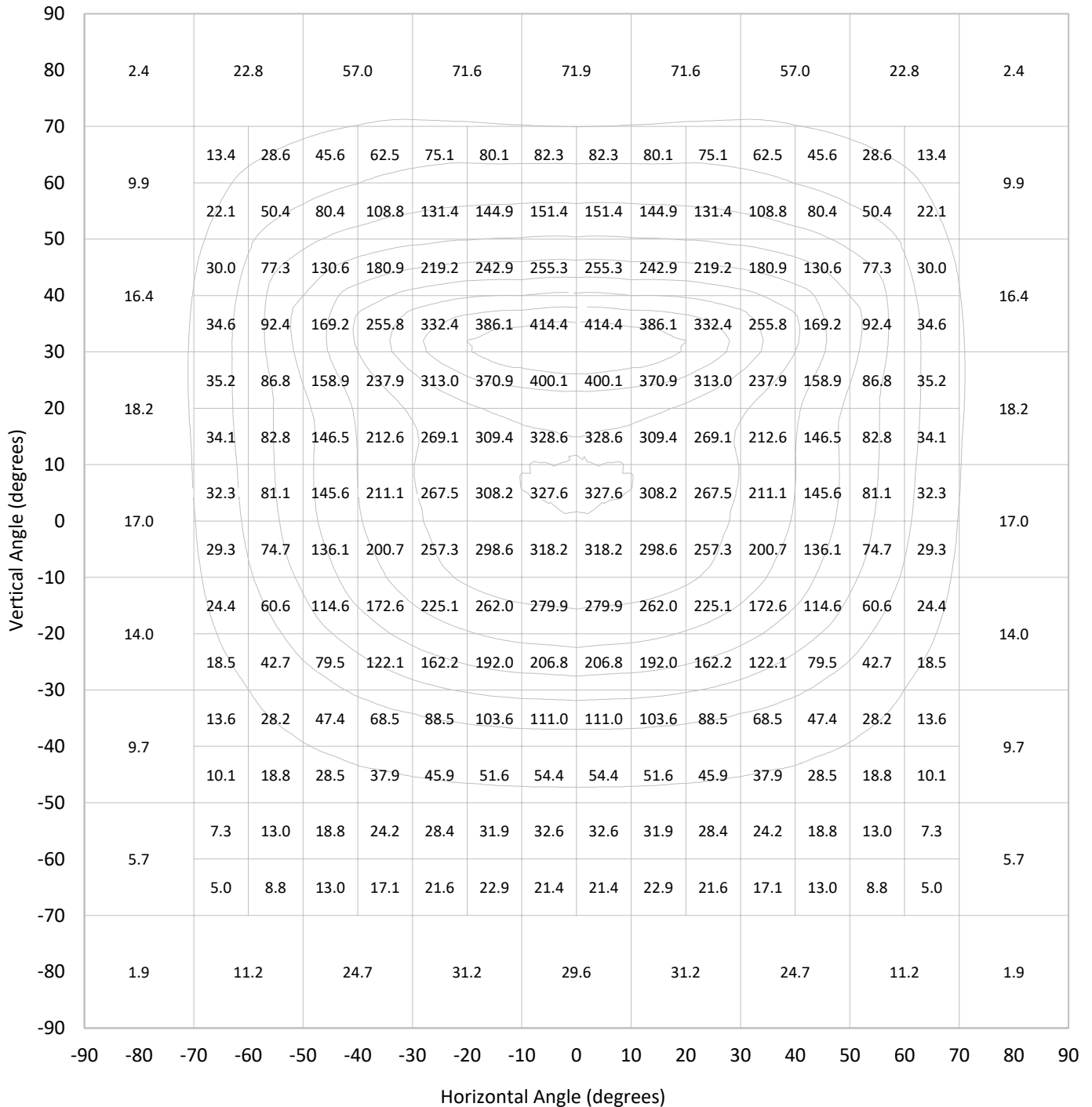
Iso-Candela Plot





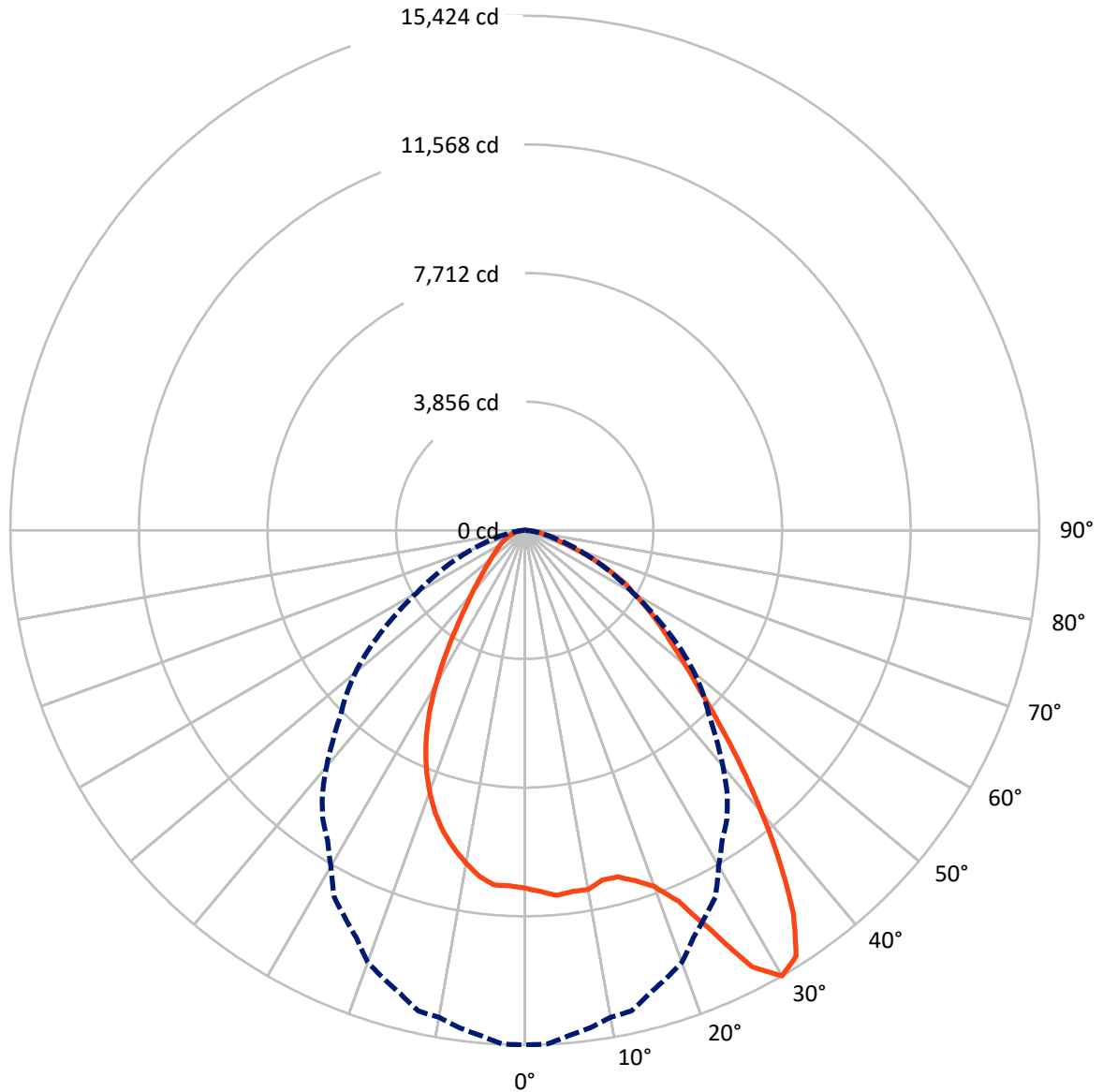
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Lumen Table



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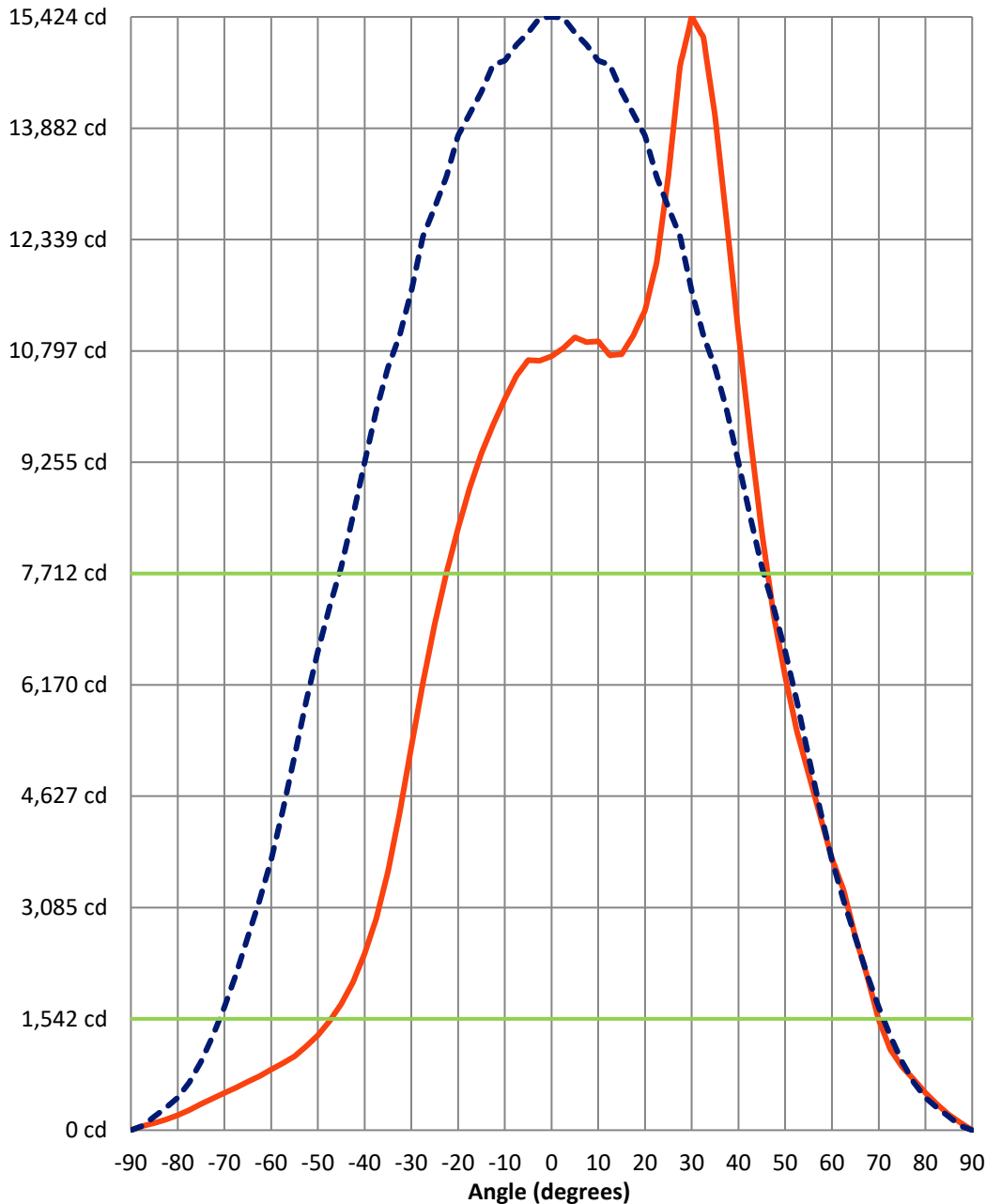
Luminous Intensity Polar Plot



— 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: 14972.2
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 24128.4
 Efficiency: 93.7%

Spill:
 Lumens: 1618.7
 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°	103.6	106.4	109.1	109.1	106.4	106.4	106.4	103.6	106.4	106.4	106.4
85°	215.5	220.9	226.4	223.7	220.9	215.5	210.0	212.7	215.5	218.2	218.2
82.5°	357.3	365.5	370.9	368.2	362.8	357.3	351.9	354.6	360.0	362.8	362.8
80°	518.2	521.0	523.7	529.1	521.0	521.0	518.2	529.1	534.6	540.1	545.5
77.5°	703.7	706.4	706.4	709.2	711.9	714.6	714.6	733.7	747.4	755.5	763.7
75°	878.3	886.5	894.6	902.8	913.7	919.2	927.4	954.6	976.5	992.8	1009.2
72.5°	1118.3	1129.2	1142.8	1161.9	1181.0	1194.7	1213.8	1246.5	1271.0	1287.4	1306.5
70°	1530.2	1541.1	1554.7	1568.3	1587.4	1601.1	1620.2	1661.1	1685.6	1696.5	1707.5
67.5°	2141.1	2168.4	2193.0	2165.7	2152.0	2132.9	2138.4	2176.6	2201.1	2217.5	2214.8
65°	2683.9	2703.0	2703.0	2700.3	2689.4	2664.8	2678.5	2724.8	2752.1	2765.7	2724.8
62.5°	3322.2	3322.2	3308.5	3330.3	3333.1	3316.7	3308.5	3311.3	3314.0	3322.2	3254.0
60°	3764.0	3791.3	3799.5	3818.6	3824.0	3824.0	3837.7	3848.6	3848.6	3832.2	3753.1
57.5°	4347.7	4399.5	4410.5	4396.8	4369.5	4334.1	4328.6	4312.3	4279.5	4246.8	4208.6
55°	4936.9	4964.2	4961.4	4953.2	4926.0	4885.1	4890.5	4868.7	4816.9	4776.0	4724.1
52.5°	5528.8	5594.2	5605.1	5588.8	5550.6	5506.9	5509.7	5485.1	5433.3	5389.7	5318.7
50°	6284.3	6338.8	6333.4	6306.1	6251.6	6218.8	6221.6	6175.2	6115.2	6101.5	6008.8
47.5°	7148.9	7211.7	7200.8	7162.6	7088.9	7075.3	7088.9	7028.9	6993.5	6963.5	6854.4
45°	8283.6	8357.2	8316.3	8242.7	8125.4	8139.0	8158.1	8147.2	8070.8	7991.7	7852.6
42.5°	9614.6	9661.0	9611.9	9538.3	9391.0	9418.3	9407.3	9341.9	9295.5	9164.6	8987.3
40°	11038.4	11139.3	11063.0	10948.4	10795.7	10836.6	10806.6	10722.0	10612.9	10449.3	10225.6
37.5°	12574.0	12653.1	12565.9	12432.2	12295.8	12282.2	12222.2	12091.3	11935.8	11755.8	11398.5
35°	14044.2	14248.8	14087.8	13875.1	13708.7	13646.0	13588.7	13285.9	13108.6	12816.8	12328.6
32.5°	15137.9	15288.0	15088.8	14867.9	14666.1	14578.8	14377.0	14016.9	13921.5	13307.8	12860.4
30°	15424.3	15413.4	15206.1	15037.0	14818.8	14758.8	14387.9	14082.4	13776.9	13209.6	12784.1
27.5°	14742.4	14674.3	14475.1	14327.9	14112.4	14041.5	13676.0	13512.3	13040.5	12560.4	12200.4
25°	13223.2	13258.7	13108.6	13035.0	12893.2	12740.4	12595.9	12374.9	12080.4	11660.3	11330.3
22.5°	12025.8	12072.2	12009.4	11922.2	11813.1	11728.5	11619.4	11447.6	11163.9	10904.8	10593.8
20°	11360.3	11346.6	11292.1	11226.6	11123.0	11063.0	10943.0	10798.4	10580.2	10356.5	10021.0
17.5°	11011.1	10926.6	10874.8	10850.2	10795.7	10719.3	10577.5	10430.2	10261.1	10007.4	9761.9
15°	10752.0	10765.7	10724.8	10705.7	10662.0	10555.6	10411.1	10291.1	10062.0	9933.8	9710.1
12.5°	10735.7	10722.0	10724.8	10716.6	10662.0	10525.6	10452.0	10299.3	10152.0	9982.9	9726.5
10°	10929.3	10784.8	10795.7	10833.9	10746.6	10637.5	10558.4	10392.0	10252.9	10037.4	9783.7
7.5°	10918.4	10844.8	10866.6	10803.9	10831.1	10697.5	10588.4	10422.0	10247.4	10018.3	9789.2
5°	10983.9	10872.0	10853.0	10858.4	10790.2	10689.3	10542.0	10383.8	10220.2	9963.8	9729.2
2.5°	10833.9	10850.2	10762.9	10730.2	10722.0	10552.9	10416.5	10263.8	10094.7	9868.3	9658.3
0°	10722.0	10752.0	10662.0	10615.7	10612.9	10468.4	10381.1	10206.5	10086.5	9898.3	9644.6
-2.5°	10662.0	10697.5	10708.4	10623.8	10542.0	10430.2	10282.9	10094.7	9898.3	9680.1	9461.9
-5°	10667.5	10596.6	10566.6	10593.8	10522.9	10411.1	10247.4	10081.1	9887.4	9652.8	9380.1
-7.5°	10452.0	10381.1	10375.6	10362.0	10345.6	10239.2	10102.9	9922.9	9726.5	9508.3	9254.6
-10°	10130.1	10078.3	10064.7	10051.0	10007.4	9944.7	9816.5	9652.8	9475.5	9257.3	8987.3
-12.5°	9772.8	9748.3	9696.5	9661.0	9617.4	9543.7	9421.0	9271.0	9093.7	8900.0	8668.2
-15°	9377.3	9331.0	9279.1	9249.1	9186.4	9099.1	8976.4	8837.3	8643.6	8452.7	8234.5
-17.5°	8900.0	8842.7	8785.5	8777.3	8733.6	8600.0	8485.4	8316.3	8147.2	7964.5	7751.7
-20°	8338.1	8259.0	8220.9	8199.0	8139.0	8040.8	7918.1	7762.6	7599.0	7424.4	7178.9



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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°	7716.3	7648.1	7582.6	7541.7	7489.9	7413.5	7296.2	7159.8	6998.9	6802.5	6576.1
-25°	7009.8	6914.4	6873.4	6827.1	6799.8	6728.9	6614.3	6488.9	6322.5	6131.5	5916.1
-27.5°	6202.5	6126.1	6104.3	6038.8	6006.1	5932.4	5837.0	5719.7	5566.9	5386.9	5209.6
-30°	5310.6	5264.2	5228.7	5163.3	5138.7	5059.6	4996.9	4898.7	4759.6	4631.4	4489.6
-32.5°	4394.1	4347.7	4336.8	4306.8	4290.4	4238.6	4167.7	4096.8	3985.0	3889.5	3774.9
-35°	3581.3	3548.6	3551.3	3548.6	3532.2	3494.0	3406.7	3387.6	3305.8	3218.5	3144.9
-37.5°	2932.1	2934.9	2932.1	2929.4	2907.6	2891.2	2828.5	2803.9	2754.8	2670.3	2626.6
-40°	2443.9	2449.3	2446.6	2441.2	2416.6	2408.4	2367.5	2334.8	2315.7	2255.7	2209.3
-42.5°	2048.4	2056.6	2053.9	2051.1	2034.8	2032.0	2010.2	1972.0	1961.1	1925.7	1876.6
-45°	1748.4	1745.6	1740.2	1745.6	1737.5	1729.3	1715.6	1691.1	1677.4	1661.1	1620.2
-47.5°	1511.1	1513.8	1508.3	1508.3	1497.4	1489.2	1483.8	1467.4	1456.5	1442.9	1418.3
-50°	1314.7	1325.6	1322.9	1320.1	1312.0	1306.5	1306.5	1290.1	1273.8	1268.3	1251.9
-52.5°	1161.9	1170.1	1172.8	1178.3	1181.0	1183.8	1175.6	1159.2	1131.9	1129.2	1121.0
-55°	1022.8	1047.4	1063.7	1074.7	1085.6	1093.8	1077.4	1055.6	1028.3	1017.4	1014.7
-57.5°	927.4	951.9	971.0	987.4	1001.0	1014.7	998.3	976.5	951.9	938.3	935.6
-60°	840.1	861.9	881.0	902.8	921.9	943.7	935.6	919.2	905.5	894.6	883.7
-62.5°	747.4	769.2	791.0	818.3	842.8	864.6	867.4	864.6	861.9	864.6	845.5
-65°	671.0	681.9	695.5	725.5	752.8	777.4	791.0	799.2	812.8	826.4	807.4
-67.5°	589.2	602.8	619.2	641.0	662.8	679.2	698.3	720.1	741.9	763.7	750.1
-70°	515.5	526.4	540.1	551.0	564.6	575.5	591.9	616.4	641.0	662.8	657.3
-72.5°	439.1	450.0	458.2	463.7	471.9	477.3	485.5	507.3	523.7	534.6	534.6
-75°	362.8	373.7	381.9	384.6	390.0	392.8	398.2	406.4	414.6	417.3	420.0
-77.5°	278.2	289.1	297.3	302.8	308.2	313.7	316.4	321.9	324.6	324.6	327.3
-80°	207.3	215.5	220.9	229.1	231.8	237.3	242.8	245.5	248.2	248.2	250.9
-82.5°	147.3	152.7	158.2	163.7	169.1	171.8	177.3	180.0	182.7	185.5	188.2
-85°	98.2	103.6	109.1	114.6	117.3	120.0	122.7	125.5	128.2	130.9	133.7
-87.5°	57.3	60.0	62.7	68.2	70.9	76.4	79.1	76.4	79.1	79.1	79.1
-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°	106.4	106.4	106.4	106.4	103.6	98.2	95.5	90.0	84.6	79.1	73.6
85°	220.9	223.7	223.7	223.7	218.2	215.5	207.3	199.1	188.2	171.8	158.2
82.5°	368.2	370.9	370.9	368.2	362.8	354.6	343.7	330.0	308.2	286.4	267.3
80°	553.7	556.4	556.4	553.7	540.1	526.4	512.8	496.4	469.1	439.1	406.4
77.5°	774.6	780.1	780.1	771.9	752.8	736.4	714.6	687.3	646.4	602.8	559.1
75°	1031.0	1044.7	1047.4	1039.2	1014.7	984.6	949.2	902.8	840.1	785.5	733.7
72.5°	1328.3	1342.0	1352.9	1342.0	1306.5	1265.6	1213.8	1159.2	1096.5	1022.8	935.6
70°	1718.4	1732.0	1740.2	1704.7	1642.0	1573.8	1511.1	1448.3	1374.7	1284.7	1189.2
67.5°	2209.3	2195.7	2179.3	2108.4	2029.3	1947.5	1860.2	1767.5	1672.0	1576.5	1464.7
65°	2681.2	2643.0	2607.5	2523.0	2422.1	2315.7	2214.8	2111.1	1996.6	1876.6	1770.2
62.5°	3177.6	3095.8	3008.5	2904.8	2801.2	2683.9	2583.0	2460.3	2332.1	2184.8	2048.4
60°	3665.8	3567.6	3480.4	3352.2	3215.8	3057.6	2948.5	2828.5	2678.5	2520.3	2359.3
57.5°	4137.7	4031.3	3935.9	3824.0	3676.7	3504.9	3384.9	3229.4	3071.2	2872.1	2708.5
55°	4639.6	4533.2	4456.8	4331.4	4170.4	4012.2	3881.3	3717.7	3496.7	3284.0	3082.1
52.5°	5215.1	5130.5	5048.7	4920.5	4726.9	4565.9	4421.4	4238.6	4006.8	3744.9	3502.2
50°	5858.8	5815.2	5727.9	5577.9	5356.9	5215.1	5024.2	4781.4	4533.2	4257.7	3955.0
47.5°	6712.5	6641.6	6518.9	6355.2	6169.7	5957.0	5700.6	5416.9	5065.1	4759.6	4437.7
45°	7732.6	7601.7	7443.5	7222.6	6993.5	6753.4	6472.5	6112.5	5640.6	5242.4	4904.1
42.5°	8837.3	8660.0	8444.5	8155.4	7858.1	7563.5	7260.8	6769.8	6180.6	5722.4	5340.6
40°	9991.0	9764.7	9494.6	9074.6	8744.5	8365.4	8019.0	7285.3	6658.0	6161.6	5755.1
37.5°	11120.3	10833.9	10381.1	9871.0	9486.4	9175.5	8414.5	7629.0	7067.1	6521.6	6109.7
35°	11984.9	11742.1	10943.0	10413.8	10083.8	9592.8	8640.9	7836.3	7241.7	6788.9	6147.9
32.5°	12497.7	11870.3	11169.3	10634.7	10362.0	9557.4	8657.3	7896.3	7323.5	6816.2	6049.7
30°	12383.1	11624.8	11011.1	10563.8	9971.9	9249.1	8504.5	7803.5	7247.1	6633.4	5940.6
27.5°	11693.0	11106.6	10558.4	10092.0	9511.0	8861.8	8174.5	7558.1	7039.8	6445.2	5790.6
25°	10913.0	10381.1	9974.7	9568.3	9017.3	8398.1	7792.6	7348.0	6827.1	6240.7	5594.2
22.5°	10195.6	9813.8	9494.6	9069.1	8531.8	7991.7	7615.3	7154.4	6619.8	6025.2	5392.4
20°	9737.4	9478.3	9112.8	8643.6	8220.9	7882.6	7465.3	6977.1	6426.1	5804.2	5220.5
17.5°	9516.4	9216.4	8810.0	8504.5	8179.9	7809.0	7342.6	6824.3	6237.9	5703.3	5239.6
15°	9401.9	9085.5	8818.2	8518.2	8152.7	7762.6	7244.4	6707.1	6237.9	5744.2	5253.3
12.5°	9426.4	9153.7	8861.8	8534.5	8141.8	7724.4	7255.3	6756.2	6270.7	5774.2	5256.0
10°	9502.8	9216.4	8905.5	8542.7	8147.2	7735.4	7285.3	6786.2	6287.0	5787.9	5250.5
7.5°	9530.1	9219.1	8886.4	8520.9	8133.6	7729.9	7290.8	6794.3	6289.7	5785.1	5234.2
5°	9445.5	9164.6	8842.7	8474.5	8095.4	7702.6	7268.9	6783.4	6267.9	5757.9	5193.3
2.5°	9331.0	9104.6	8796.4	8441.8	8057.2	7664.4	7233.5	6734.3	6218.8	5708.8	5141.4
0°	9311.9	9030.9	8720.0	8403.6	7994.5	7579.9	7151.7	6641.6	6128.8	5616.0	5051.4
-2.5°	9186.4	8889.1	8578.2	8234.5	7874.5	7457.1	7007.1	6508.0	6000.6	5496.0	4953.2
-5°	9090.9	8760.9	8430.9	8059.9	7697.2	7279.9	6813.4	6327.9	5831.5	5340.6	4816.9
-7.5°	8962.8	8624.5	8278.1	7890.8	7498.1	7072.6	6611.6	6126.1	5637.9	5149.6	4647.8
-10°	8703.6	8406.3	8081.8	7680.8	7266.2	6840.7	6382.5	5905.2	5416.9	4923.2	4418.6
-12.5°	8390.0	8076.3	7721.7	7353.5	6982.5	6587.1	6128.8	5659.7	5168.7	4672.3	4170.4
-15°	7983.6	7675.3	7312.6	6952.5	6595.2	6216.1	5812.4	5389.7	4890.5	4402.3	3900.4
-17.5°	7476.2	7187.1	6862.5	6518.9	6164.3	5782.4	5389.7	5032.3	4565.9	4107.7	3611.3
-20°	6930.7	6660.7	6368.8	6044.3	5689.7	5316.0	4945.1	4571.4	4167.7	3764.0	3303.1



REPORT NUMBER: P722187
 CATALOG NUMBER: IFLD-L-SA8A-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	6363.4	6090.6	5796.1	5493.3	5166.0	4819.6	4475.9	4118.6	3764.0	3398.5	3008.5
-25°	5708.8	5468.8	5198.7	4904.1	4612.3	4309.5	3982.2	3657.7	3354.9	3038.5	2719.4
-27.5°	5024.2	4803.2	4557.7	4301.4	4050.4	3796.8	3513.1	3213.1	2962.1	2700.3	2435.7
-30°	4304.1	4126.8	3927.7	3704.0	3510.4	3305.8	3068.5	2820.3	2591.2	2392.1	2179.3
-32.5°	3622.2	3472.2	3330.3	3183.1	2992.1	2833.9	2670.3	2487.5	2285.7	2097.5	1944.7
-35°	3035.8	2874.8	2814.8	2705.7	2569.4	2430.3	2310.2	2179.3	2026.6	1860.2	1734.7
-37.5°	2542.1	2446.6	2362.1	2302.1	2212.0	2100.2	2004.8	1909.3	1792.0	1666.5	1541.1
-40°	2157.5	2092.0	1999.3	1969.3	1912.0	1835.6	1737.5	1663.8	1584.7	1489.2	1382.9
-42.5°	1849.3	1800.2	1740.2	1688.4	1663.8	1609.3	1532.9	1462.0	1399.2	1333.8	1251.9
-45°	1595.6	1562.9	1524.7	1478.3	1459.2	1415.6	1361.1	1282.0	1246.5	1191.9	1131.9
-47.5°	1391.1	1374.7	1347.4	1317.4	1290.1	1257.4	1208.3	1159.2	1110.1	1074.7	1028.3
-50°	1230.1	1219.2	1202.9	1178.3	1142.8	1121.0	1088.3	1044.7	998.3	968.3	935.6
-52.5°	1101.9	1091.0	1080.1	1061.0	1033.7	1011.9	984.6	949.2	911.0	881.0	853.7
-55°	1003.7	987.4	979.2	962.8	941.0	916.5	891.9	867.4	834.6	807.4	780.1
-57.5°	927.4	905.5	894.6	881.0	859.2	834.6	815.5	791.0	769.2	739.2	714.6
-60°	867.4	842.8	821.0	807.4	788.3	763.7	744.6	725.5	703.7	679.2	649.2
-62.5°	818.3	788.3	758.3	741.9	722.8	701.0	681.9	662.8	641.0	616.4	589.2
-65°	771.9	736.4	698.3	681.9	662.8	641.0	616.4	602.8	583.7	561.9	534.6
-67.5°	714.6	676.4	643.7	624.6	605.5	586.4	564.6	551.0	531.9	504.6	477.3
-70°	630.1	605.5	583.7	567.3	551.0	534.6	512.8	491.0	469.1	444.6	420.0
-72.5°	523.7	515.5	512.8	504.6	485.5	466.4	444.6	422.8	403.7	384.6	365.5
-75°	422.8	428.2	433.7	431.0	411.9	392.8	373.7	354.6	340.9	324.6	308.2
-77.5°	335.5	340.9	346.4	346.4	332.8	321.9	308.2	294.6	283.7	270.0	253.7
-80°	259.1	267.3	275.5	280.9	270.0	261.8	250.9	240.0	229.1	218.2	207.3
-82.5°	196.4	204.6	212.7	218.2	210.0	204.6	196.4	188.2	180.0	169.1	160.9
-85°	141.8	147.3	152.7	155.5	150.0	144.6	139.1	133.7	128.2	120.0	114.6
-87.5°	81.8	84.6	87.3	90.0	84.6	79.1	76.4	70.9	68.2	62.7	60.0
-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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 CATALOG NUMBER: IFLD-L-SA8A-827-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°	68.2	62.7	57.3	54.6	49.1	40.9	35.5	30.0	24.5	19.1	16.4
85°	144.6	130.9	114.6	106.4	95.5	84.6	73.6	62.7	51.8	40.9	30.0
82.5°	248.2	231.8	215.5	196.4	171.8	141.8	111.8	92.7	76.4	60.0	46.4
80°	373.7	343.7	316.4	291.8	264.6	226.4	185.5	147.3	103.6	79.1	60.0
77.5°	518.2	482.8	444.6	403.7	360.0	308.2	261.8	212.7	160.9	109.1	76.4
75°	681.9	635.5	583.7	526.4	469.1	401.0	335.5	278.2	218.2	152.7	92.7
72.5°	864.6	807.4	744.6	668.3	578.2	499.1	420.0	343.7	272.8	193.7	125.5
70°	1099.2	1009.2	916.5	834.6	720.1	594.6	501.9	414.6	324.6	237.3	158.2
67.5°	1350.1	1241.0	1129.2	1009.2	864.6	717.3	583.7	485.5	379.1	278.2	188.2
65°	1622.9	1486.5	1344.7	1211.0	1011.9	837.4	687.3	553.7	431.0	316.4	218.2
62.5°	1903.8	1742.9	1579.3	1404.7	1175.6	960.1	785.5	630.1	480.1	351.9	245.5
60°	2203.9	2015.7	1816.6	1598.3	1331.0	1093.8	878.3	709.2	531.9	387.3	275.5
57.5°	2520.3	2315.7	2081.1	1786.6	1492.0	1221.9	984.6	780.1	578.2	420.0	297.3
55°	2863.9	2629.4	2373.0	1982.9	1650.2	1350.1	1091.0	851.0	627.3	447.3	319.1
52.5°	3234.9	2962.1	2637.5	2190.2	1816.6	1481.1	1189.2	913.7	673.7	477.3	338.2
50°	3649.5	3305.8	2869.4	2381.2	1961.1	1603.8	1287.4	981.9	711.9	510.1	354.6
47.5°	4080.4	3709.5	3076.7	2558.4	2108.4	1723.8	1388.3	1041.9	750.1	537.3	370.9
45°	4530.5	3990.4	3292.2	2716.6	2236.6	1832.9	1464.7	1096.5	796.4	561.9	384.6
42.5°	4975.1	4203.2	3480.4	2874.8	2356.6	1931.1	1527.4	1148.3	834.6	586.4	398.2
40°	5185.1	4364.1	3630.4	2983.9	2457.5	2018.4	1582.0	1194.7	867.4	602.8	411.9
37.5°	5272.4	4462.3	3728.6	3087.6	2536.6	2064.8	1628.4	1235.6	894.6	619.2	422.8
35°	5291.5	4497.7	3777.7	3158.5	2602.1	2108.4	1663.8	1265.6	916.5	635.5	433.7
32.5°	5256.0	4486.8	3791.3	3183.1	2643.0	2141.1	1688.4	1287.4	932.8	651.9	444.6
30°	5176.9	4429.6	3742.2	3180.3	2673.0	2160.2	1704.7	1303.8	949.2	662.8	450.0
27.5°	5048.7	4328.6	3679.5	3183.1	2689.4	2168.4	1712.9	1312.0	960.1	671.0	461.0
25°	4890.5	4192.3	3682.2	3177.6	2692.1	2171.1	1712.9	1312.0	962.8	673.7	469.1
22.5°	4707.8	4192.3	3682.2	3169.4	2675.7	2165.7	1704.7	1306.5	962.8	679.2	477.3
20°	4718.7	4195.0	3674.0	3153.1	2651.2	2149.3	1685.6	1292.9	954.6	687.3	482.8
17.5°	4726.9	4189.5	3657.7	3131.2	2618.5	2122.0	1661.1	1273.8	954.6	695.5	485.5
15°	4726.9	4173.2	3633.1	3098.5	2577.5	2083.9	1625.6	1257.4	957.4	698.3	491.0
12.5°	4718.7	4143.2	3594.9	3054.9	2528.4	2037.5	1603.8	1251.9	957.4	701.0	491.0
10°	4702.3	4102.2	3545.8	3000.3	2482.1	2021.1	1592.9	1241.0	951.9	701.0	491.0
7.5°	4672.3	4053.2	3504.9	2967.6	2454.8	2002.0	1576.5	1224.7	943.7	695.5	496.4
5°	4625.9	4025.9	3472.2	2929.4	2416.6	1988.4	1565.6	1211.0	938.3	695.5	491.0
2.5°	4565.9	3993.1	3434.0	2880.3	2373.0	1942.0	1530.2	1181.0	919.2	684.6	485.5
0°	4467.7	3927.7	3368.5	2812.1	2313.0	1895.7	1494.7	1151.0	900.1	673.7	480.1
-2.5°	4377.7	3840.4	3284.0	2741.2	2255.7	1854.7	1467.4	1134.7	891.9	671.0	477.3
-5°	4252.3	3720.4	3172.1	2648.5	2179.3	1813.8	1440.2	1115.6	883.7	665.5	477.3
-7.5°	4113.2	3594.9	3054.9	2553.0	2102.9	1742.9	1388.3	1085.6	864.6	654.6	474.6
-10°	3897.7	3406.7	2907.6	2443.9	2021.1	1680.2	1344.7	1058.3	848.3	643.7	463.7
-12.5°	3668.6	3199.4	2738.5	2310.2	1928.4	1614.7	1295.6	1028.3	829.2	632.8	458.2
-15°	3425.8	2986.7	2561.2	2171.1	1827.5	1535.6	1243.8	995.6	810.1	619.2	450.0
-17.5°	3172.1	2763.0	2378.4	2029.3	1726.5	1453.8	1189.2	965.6	788.3	605.5	441.9
-20°	2904.8	2533.9	2193.0	1884.7	1620.2	1372.0	1131.9	930.1	763.7	589.2	431.0



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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°	2640.3	2307.5	2002.0	1742.9	1511.1	1287.4	1074.7	894.6	736.4	570.1	422.8
-25°	2405.7	2094.8	1832.9	1606.5	1404.7	1205.6	1014.7	859.2	706.4	551.0	411.9
-27.5°	2176.6	1912.0	1666.5	1478.3	1301.0	1126.5	957.4	821.0	676.4	529.1	401.0
-30°	1963.8	1737.5	1535.6	1352.9	1202.9	1055.6	908.3	782.8	643.7	507.3	387.3
-32.5°	1770.2	1587.4	1418.3	1243.8	1110.1	984.6	861.9	744.6	611.0	485.5	373.7
-35°	1590.2	1448.3	1301.0	1153.8	1017.4	919.2	812.8	703.7	581.0	461.0	360.0
-37.5°	1429.2	1314.7	1197.4	1071.9	954.6	856.5	766.4	662.8	551.0	439.1	346.4
-40°	1290.1	1197.4	1093.8	992.8	894.6	801.9	720.1	621.9	521.0	422.8	332.8
-42.5°	1161.9	1091.0	1006.5	921.9	834.6	752.8	673.7	578.2	491.0	403.7	319.1
-45°	1063.7	992.8	924.6	848.3	774.6	703.7	624.6	540.1	463.7	381.9	305.5
-47.5°	971.0	908.3	845.5	782.8	722.8	657.3	578.2	507.3	433.7	362.8	294.6
-50°	889.2	829.2	774.6	720.1	668.3	605.5	531.9	474.6	409.1	343.7	280.9
-52.5°	812.8	761.0	706.4	662.8	619.2	556.4	496.4	441.9	384.6	321.9	267.3
-55°	744.6	695.5	646.4	605.5	564.6	510.1	461.0	414.6	360.0	305.5	253.7
-57.5°	679.2	638.2	591.9	553.7	512.8	469.1	428.2	384.6	335.5	289.1	240.0
-60°	619.2	581.0	540.1	501.9	466.4	431.0	392.8	357.3	313.7	270.0	226.4
-62.5°	559.1	526.4	491.0	452.8	425.5	392.8	362.8	327.3	291.8	253.7	201.8
-65°	504.6	474.6	441.9	409.1	384.6	360.0	332.8	300.0	270.0	234.6	180.0
-67.5°	450.0	422.8	395.5	368.2	346.4	327.3	300.0	275.5	250.9	212.7	158.2
-70°	398.2	376.4	351.9	330.0	313.7	291.8	272.8	250.9	229.1	185.5	133.7
-72.5°	349.1	327.3	308.2	291.8	278.2	259.1	242.8	226.4	196.4	155.5	111.8
-75°	291.8	278.2	267.3	253.7	240.0	226.4	212.7	193.7	163.7	125.5	87.3
-77.5°	240.0	231.8	223.7	212.7	201.8	190.9	174.6	155.5	130.9	98.2	70.9
-80°	196.4	188.2	182.7	171.8	163.7	152.7	136.4	120.0	95.5	76.4	57.3
-82.5°	150.0	144.6	139.1	133.7	125.5	114.6	98.2	84.6	70.9	57.3	43.6
-85°	106.4	103.6	98.2	92.7	84.6	76.4	65.5	57.3	49.1	38.2	30.0
-87.5°	54.6	51.8	49.1	46.4	43.6	38.2	32.7	27.3	24.5	19.1	13.6
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	10.9	8.2	2.7	0.0
85°	21.8	13.6	5.5	0.0
82.5°	32.7	21.8	8.2	0.0
80°	43.6	27.3	13.6	0.0
77.5°	54.6	32.7	16.4	0.0
75°	65.5	40.9	19.1	0.0
72.5°	73.6	46.4	21.8	0.0
70°	87.3	54.6	24.5	0.0
67.5°	109.1	60.0	27.3	0.0
65°	128.2	65.5	30.0	0.0
62.5°	150.0	70.9	32.7	0.0
60°	169.1	76.4	35.5	0.0
57.5°	188.2	90.0	38.2	0.0
55°	204.6	100.9	40.9	0.0
52.5°	223.7	111.8	43.6	0.0
50°	240.0	122.7	46.4	0.0
47.5°	253.7	133.7	46.4	0.0
45°	264.6	141.8	49.1	0.0
42.5°	272.8	150.0	51.8	0.0
40°	280.9	158.2	54.6	0.0
37.5°	289.1	166.4	54.6	0.0
35°	297.3	174.6	57.3	0.0
32.5°	305.5	182.7	57.3	0.0
30°	310.9	188.2	60.0	0.0
27.5°	319.1	193.7	60.0	0.0
25°	321.9	199.1	62.7	0.0
22.5°	327.3	201.8	62.7	0.0
20°	332.8	207.3	62.7	0.0
17.5°	335.5	210.0	65.5	0.0
15°	335.5	212.7	68.2	0.0
12.5°	338.2	215.5	68.2	0.0
10°	338.2	220.9	65.5	0.0
7.5°	343.7	218.2	65.5	0.0
5°	340.9	218.2	65.5	0.0
2.5°	338.2	215.5	65.5	0.0
0°	335.5	215.5	65.5	0.0
-2.5°	335.5	215.5	65.5	0.0
-5°	335.5	215.5	65.5	0.0
-7.5°	332.8	218.2	65.5	0.0
-10°	327.3	218.2	65.5	0.0
-12.5°	324.6	210.0	65.5	0.0
-15°	321.9	207.3	65.5	0.0
-17.5°	316.4	204.6	62.7	0.0
-20°	310.9	201.8	62.7	0.0



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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	305.5	196.4	62.7	0.0
-25°	300.0	190.9	60.0	0.0
-27.5°	294.6	185.5	60.0	0.0
-30°	286.4	180.0	57.3	0.0
-32.5°	278.2	174.6	57.3	0.0
-35°	272.8	166.4	54.6	0.0
-37.5°	264.6	158.2	54.6	0.0
-40°	256.4	150.0	51.8	0.0
-42.5°	248.2	141.8	49.1	0.0
-45°	237.3	133.7	49.1	0.0
-47.5°	229.1	125.5	46.4	0.0
-50°	215.5	114.6	43.6	0.0
-52.5°	199.1	103.6	40.9	0.0
-55°	182.7	95.5	38.2	0.0
-57.5°	166.4	84.6	38.2	0.0
-60°	150.0	73.6	35.5	0.0
-62.5°	133.7	68.2	32.7	0.0
-65°	117.3	62.7	30.0	0.0
-67.5°	98.2	54.6	27.3	0.0
-70°	81.8	49.1	24.5	0.0
-72.5°	70.9	43.6	21.8	0.0
-75°	60.0	38.2	19.1	0.0
-77.5°	51.8	32.7	16.4	0.0
-80°	40.9	24.5	10.9	0.0
-82.5°	30.0	19.1	8.2	0.0
-85°	19.1	13.6	5.5	0.0
-87.5°	10.9	5.5	2.7	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)