

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: P722188

Luminaire Tested: **IFLD-L-SA8B-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722188
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-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

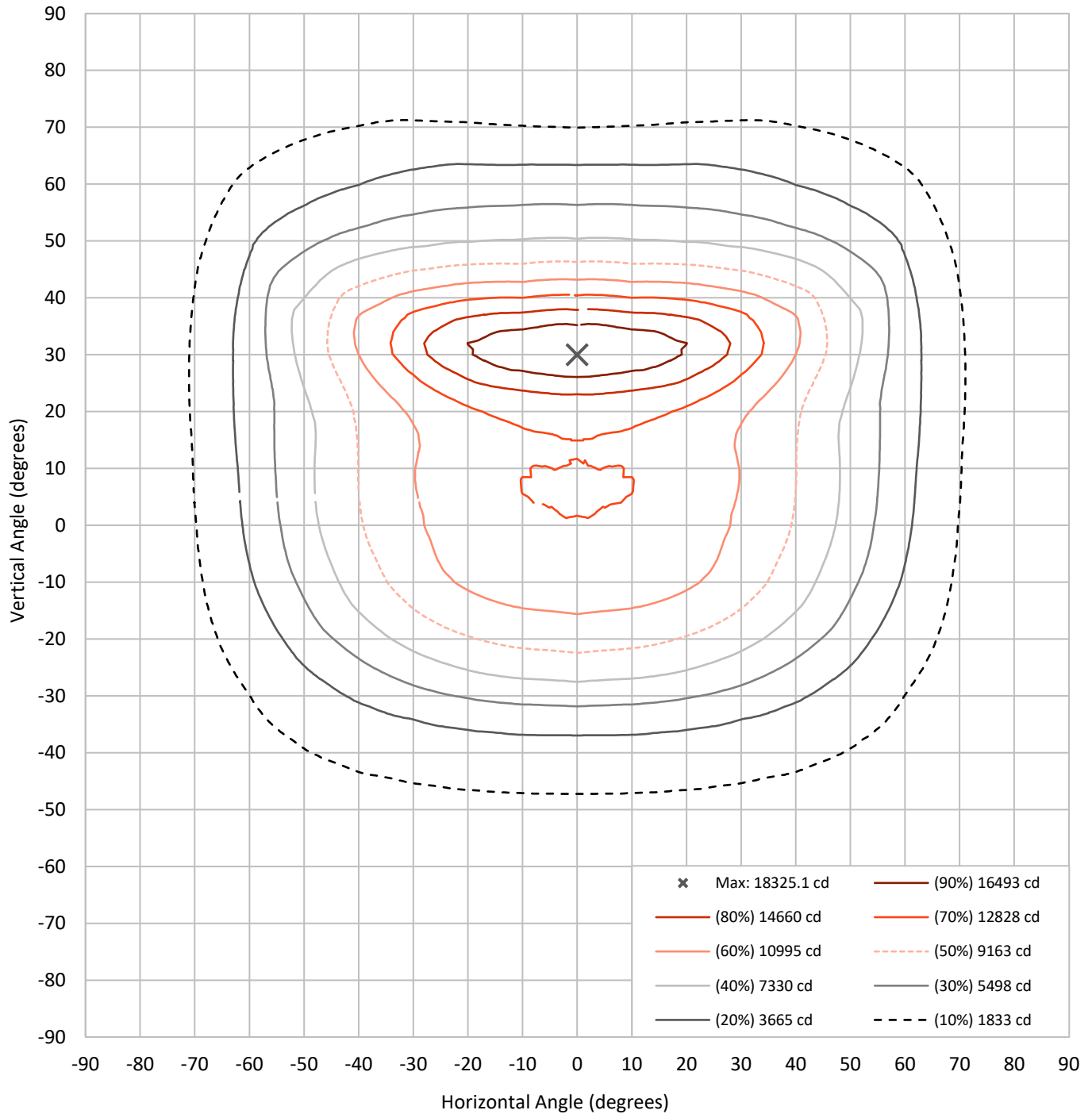
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	30589.2 lumens	Max Intensity:	18325.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	95.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	17788 lumens	Field Lumens:	28666.1 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 320
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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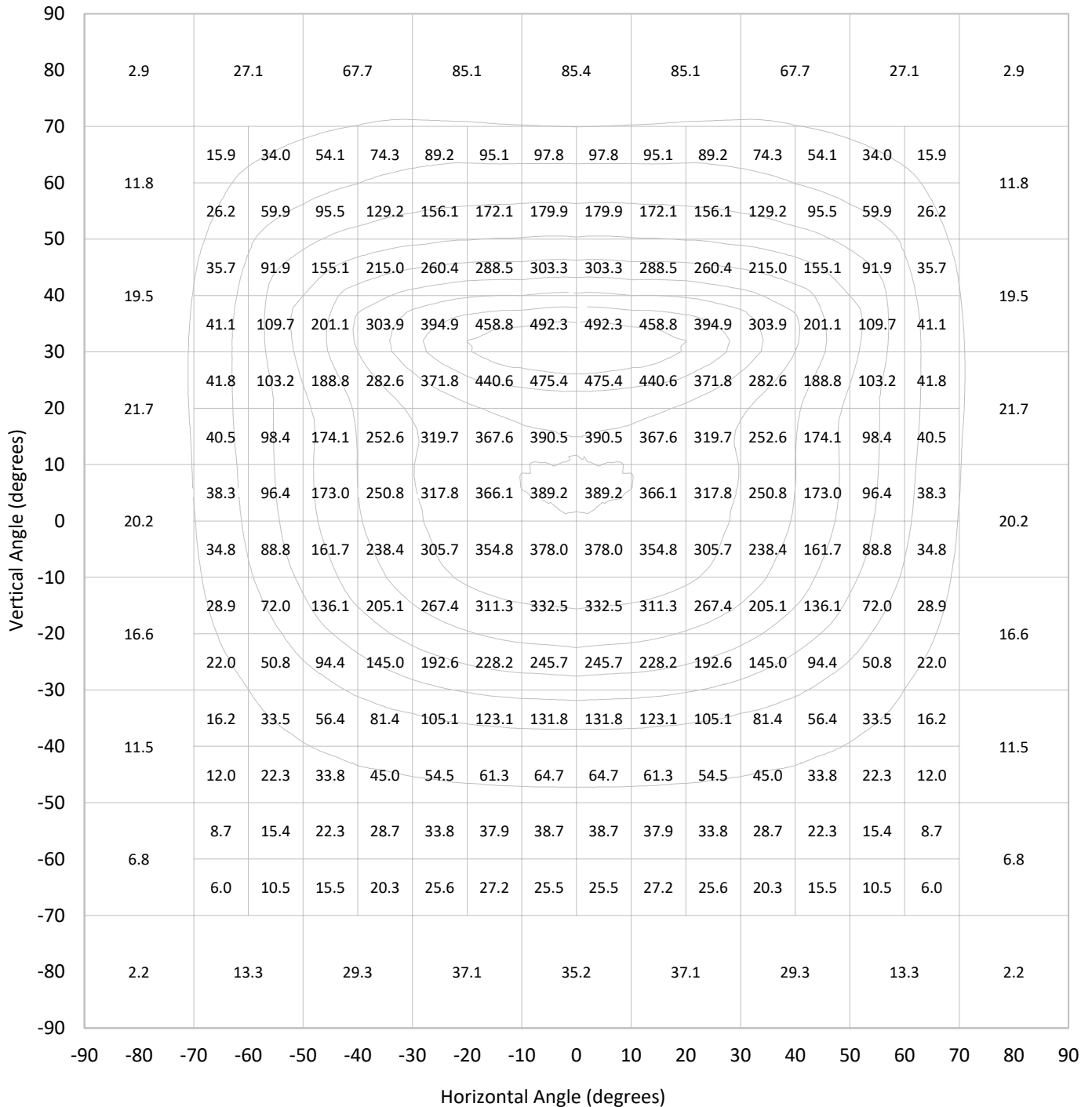
Iso-Candela Plot





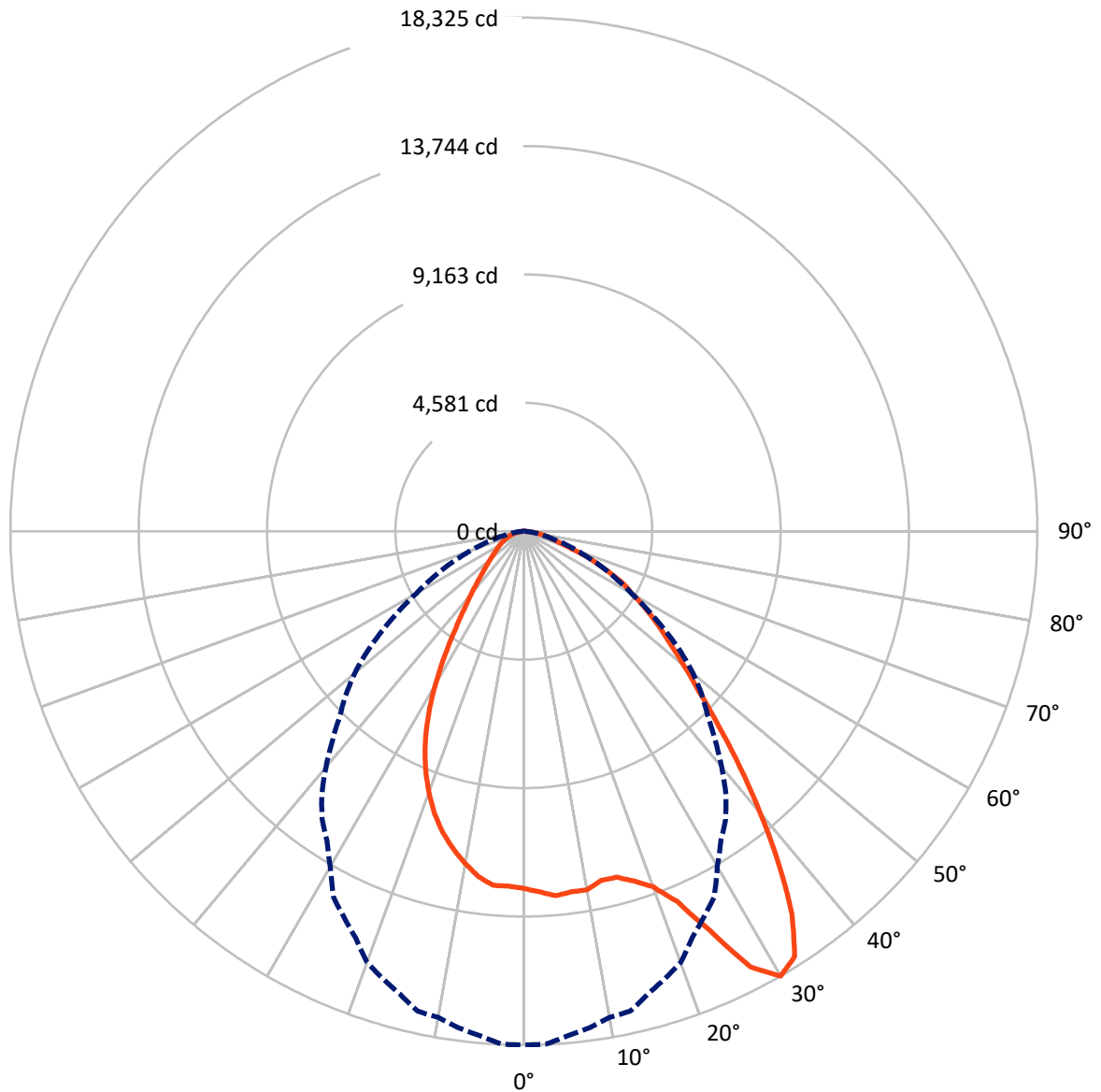
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Lumen Table



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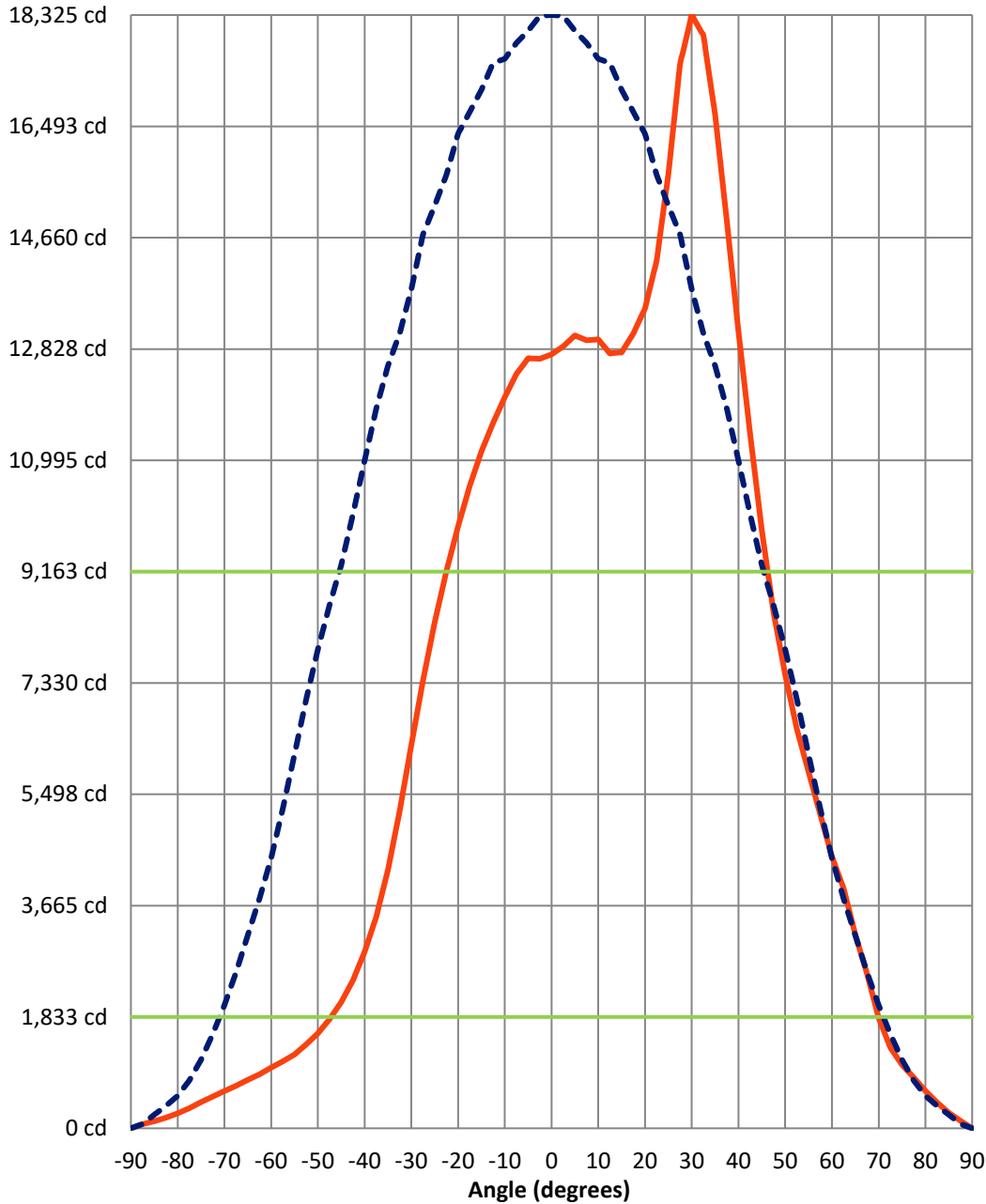
Luminous Intensity Polar Plot



— 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: 17788
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 28666.1
 Efficiency: 93.7%

Spill:
 Lumens: 1923.2
 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°	123.1	126.4	129.6	129.6	126.4	126.4	126.4	123.1	126.4	126.4	126.4
85°	256.0	262.5	269.0	265.7	262.5	256.0	249.5	252.8	256.0	259.2	259.2
82.5°	424.5	434.2	440.7	437.5	431.0	424.5	418.0	421.3	427.7	431.0	431.0
80°	615.7	618.9	622.2	628.7	618.9	618.9	615.7	628.7	635.1	641.6	648.1
77.5°	836.1	839.3	839.3	842.5	845.8	849.0	849.0	871.7	887.9	897.6	907.3
75°	1043.4	1053.2	1062.9	1072.6	1085.6	1092.1	1101.8	1134.2	1160.1	1179.5	1199.0
72.5°	1328.6	1341.6	1357.8	1380.5	1403.1	1419.3	1442.0	1480.9	1510.1	1529.5	1552.2
70°	1817.9	1830.9	1847.1	1863.3	1886.0	1902.2	1924.9	1973.5	2002.6	2015.6	2028.6
67.5°	2543.8	2576.2	2605.4	2573.0	2556.8	2534.1	2540.6	2585.9	2615.1	2634.5	2631.3
65°	3188.7	3211.4	3211.4	3208.1	3195.2	3166.0	3182.2	3237.3	3269.7	3285.9	3237.3
62.5°	3947.0	3947.0	3930.7	3956.7	3959.9	3940.5	3930.7	3934.0	3937.2	3947.0	3865.9
60°	4471.9	4504.3	4514.0	4536.7	4543.2	4543.2	4559.4	4572.4	4572.4	4552.9	4459.0
57.5°	5165.4	5227.0	5239.9	5223.7	5191.3	5149.2	5142.7	5123.3	5084.4	5045.5	5000.1
55°	5865.3	5897.7	5894.5	5884.8	5852.4	5803.8	5810.3	5784.3	5722.8	5674.1	5612.6
52.5°	6568.5	6646.3	6659.3	6639.8	6594.5	6542.6	6545.8	6516.7	6455.1	6403.3	6319.0
50°	7466.2	7531.0	7524.5	7492.1	7427.3	7388.4	7391.6	7336.5	7265.2	7249.0	7138.9
47.5°	8493.4	8567.9	8555.0	8509.6	8422.1	8405.9	8422.1	8350.8	8308.7	8273.0	8143.4
45°	9841.5	9929.0	9880.3	9792.8	9653.5	9669.7	9692.4	9679.4	9588.7	9494.7	9329.5
42.5°	11422.8	11477.9	11419.6	11332.1	11157.1	11189.5	11176.5	11098.8	11043.7	10888.1	10677.5
40°	13114.4	13234.3	13143.5	13007.4	12826.0	12874.6	12838.9	12738.5	12608.9	12414.4	12148.7
37.5°	14938.8	15032.8	14929.1	14770.3	14608.3	14592.1	14520.8	14365.2	14180.5	13966.6	13542.1
35°	16685.4	16928.5	16737.3	16484.5	16286.8	16212.3	16144.3	15784.6	15573.9	15227.2	14647.1
32.5°	17984.9	18163.1	17926.6	17664.1	17424.3	17320.6	17080.8	16653.0	16539.6	15810.5	15279.0
30°	18325.1	18312.2	18065.9	17865.0	17605.7	17534.4	17093.7	16730.8	16367.9	15693.8	15188.3
27.5°	17515.0	17434.0	17197.4	17022.4	16766.4	16682.2	16248.0	16053.5	15492.9	14922.6	14494.8
25°	15710.0	15752.2	15573.9	15486.4	15317.9	15136.5	14964.7	14702.2	14352.3	13853.2	13461.1
22.5°	14287.4	14342.5	14268.0	14164.3	14034.7	13934.2	13804.6	13600.5	13263.4	12955.6	12586.2
20°	13496.8	13480.6	13415.7	13338.0	13214.8	13143.5	13001.0	12829.2	12570.0	12304.3	11905.7
17.5°	13082.0	12981.5	12919.9	12890.8	12826.0	12735.2	12566.7	12391.7	12190.8	11889.5	11597.8
15°	12774.1	12790.3	12741.7	12719.0	12667.2	12540.8	12369.1	12226.5	11954.3	11802.0	11536.2
12.5°	12754.7	12738.5	12741.7	12732.0	12667.2	12505.2	12417.7	12236.2	12061.2	11860.3	11555.7
10°	12984.8	12813.0	12826.0	12871.3	12767.6	12638.0	12544.0	12346.4	12181.1	11925.1	11623.7
7.5°	12971.8	12884.3	12910.2	12835.7	12868.1	12709.3	12579.7	12382.0	12174.6	11902.4	11630.2
5°	13049.6	12916.7	12894.0	12900.5	12819.5	12699.6	12524.6	12336.7	12142.2	11837.6	11558.9
2.5°	12871.3	12890.8	12787.1	12748.2	12738.5	12537.6	12375.5	12194.1	11993.2	11724.2	11474.7
0°	12738.5	12774.1	12667.2	12612.1	12608.9	12437.1	12333.4	12126.0	11983.4	11759.8	11458.5
-2.5°	12667.2	12709.3	12722.3	12621.8	12524.6	12391.7	12216.8	11993.2	11759.8	11500.6	11241.4
-5°	12673.7	12589.4	12553.8	12586.2	12501.9	12369.1	12174.6	11977.0	11746.9	11468.2	11144.1
-7.5°	12417.7	12333.4	12326.9	12310.7	12291.3	12164.9	12002.9	11789.0	11555.7	11296.4	10995.1
-10°	12035.3	11973.7	11957.5	11941.3	11889.5	11814.9	11662.6	11468.2	11257.6	10998.3	10677.5
-12.5°	11610.8	11581.6	11520.0	11477.9	11426.1	11338.6	11192.8	11014.5	10803.9	10573.8	10298.4
-15°	11140.9	11085.8	11024.2	10988.6	10914.1	10810.4	10664.5	10499.3	10269.2	10042.4	9783.1
-17.5°	10573.8	10505.8	10437.7	10428.0	10376.1	10217.4	10081.3	9880.3	9679.4	9462.3	9209.6
-20°	9906.3	9812.3	9766.9	9741.0	9669.7	9553.0	9407.2	9222.5	9028.1	8820.7	8529.0



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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°	9167.4	9086.4	9008.6	8960.0	8898.5	8807.7	8668.4	8506.4	8315.2	8081.9	7812.9
-25°	8328.1	8214.7	8166.1	8111.0	8078.6	7994.4	7858.3	7709.2	7511.5	7284.7	7028.7
-27.5°	7368.9	7278.2	7252.3	7174.5	7135.6	7048.1	6934.7	6795.4	6613.9	6400.0	6189.4
-30°	6309.3	6254.2	6212.1	6134.3	6105.1	6011.2	5936.6	5820.0	5654.7	5502.4	5333.9
-32.5°	5220.5	5165.4	5152.4	5116.8	5097.3	5035.8	4951.5	4867.3	4734.4	4621.0	4484.9
-35°	4254.8	4215.9	4219.2	4215.9	4196.5	4151.1	4047.4	4024.7	3927.5	3823.8	3736.3
-37.5°	3483.6	3486.8	3483.6	3480.3	3454.4	3435.0	3360.4	3331.3	3272.9	3172.5	3120.6
-40°	2903.5	2910.0	2906.7	2900.3	2871.1	2861.4	2812.8	2773.9	2751.2	2679.9	2624.8
-42.5°	2433.6	2443.4	2440.1	2436.9	2417.4	2414.2	2388.3	2342.9	2329.9	2287.8	2229.5
-45°	2077.2	2073.9	2067.5	2073.9	2064.2	2054.5	2038.3	2009.1	1992.9	1973.5	1924.9
-47.5°	1795.2	1798.5	1792.0	1792.0	1779.0	1769.3	1762.8	1743.4	1730.4	1714.2	1685.1
-50°	1561.9	1574.9	1571.7	1568.4	1558.7	1552.2	1552.2	1532.8	1513.3	1506.8	1487.4
-52.5°	1380.5	1390.2	1393.4	1399.9	1403.1	1406.4	1396.7	1377.2	1344.8	1341.6	1331.9
-55°	1215.2	1244.4	1263.8	1276.8	1289.7	1299.4	1280.0	1254.1	1221.7	1208.7	1205.5
-57.5°	1101.8	1130.9	1153.6	1173.1	1189.3	1205.5	1186.0	1160.1	1130.9	1114.7	1111.5
-60°	998.1	1024.0	1046.7	1072.6	1095.3	1121.2	1111.5	1092.1	1075.9	1062.9	1049.9
-62.5°	887.9	913.8	939.8	972.2	1001.3	1027.2	1030.5	1027.2	1024.0	1027.2	1004.6
-65°	797.2	810.1	826.3	862.0	894.4	923.5	939.8	949.5	965.7	981.9	959.2
-67.5°	700.0	716.2	735.6	761.5	787.4	806.9	829.6	855.5	881.4	907.3	891.1
-70°	612.5	625.4	641.6	654.6	670.8	683.7	703.2	732.4	761.5	787.4	781.0
-72.5°	521.7	534.7	544.4	550.9	560.6	567.1	576.8	602.7	622.2	635.1	635.1
-75°	431.0	444.0	453.7	456.9	463.4	466.6	473.1	482.8	492.6	495.8	499.0
-77.5°	330.5	343.5	353.2	359.7	366.2	372.7	375.9	382.4	385.6	385.6	388.9
-80°	246.3	256.0	262.5	272.2	275.4	281.9	288.4	291.6	294.9	294.9	298.1
-82.5°	175.0	181.5	188.0	194.4	200.9	204.2	210.6	213.9	217.1	220.4	223.6
-85°	116.7	123.1	129.6	136.1	139.3	142.6	145.8	149.1	152.3	155.5	158.8
-87.5°	68.1	71.3	74.5	81.0	84.3	90.7	94.0	90.7	94.0	94.0	94.0
-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°	126.4	126.4	126.4	126.4	123.1	116.7	113.4	106.9	100.5	94.0	87.5
85°	262.5	265.7	265.7	265.7	259.2	256.0	246.3	236.6	223.6	204.2	188.0
82.5°	437.5	440.7	440.7	437.5	431.0	421.3	408.3	392.1	366.2	340.3	317.6
80°	657.8	661.1	661.1	657.8	641.6	625.4	609.2	589.8	557.4	521.7	482.8
77.5°	920.3	926.8	926.8	917.1	894.4	874.9	849.0	816.6	768.0	716.2	664.3
75°	1224.9	1241.1	1244.4	1234.6	1205.5	1169.8	1127.7	1072.6	998.1	933.3	871.7
72.5°	1578.1	1594.3	1607.3	1594.3	1552.2	1503.6	1442.0	1377.2	1302.7	1215.2	1111.5
70°	2041.5	2057.7	2067.5	2025.3	1950.8	1869.8	1795.2	1720.7	1633.2	1526.3	1412.9
67.5°	2624.8	2608.6	2589.2	2504.9	2410.9	2313.7	2210.0	2099.9	1986.4	1873.0	1740.2
65°	3185.4	3140.1	3097.9	2997.5	2877.6	2751.2	2631.3	2508.2	2372.1	2229.5	2103.1
62.5°	3775.2	3678.0	3574.3	3451.2	3328.0	3188.7	3068.8	2922.9	2770.6	2595.7	2433.6
60°	4355.3	4238.6	4134.9	3982.6	3820.6	3632.6	3503.0	3360.4	3182.2	2994.2	2803.0
57.5°	4915.9	4789.5	4676.1	4543.2	4368.2	4164.1	4021.5	3836.8	3648.8	3412.3	3217.8
55°	5512.1	5385.7	5295.0	5145.9	4954.8	4766.8	4611.3	4416.8	4154.3	3901.6	3661.8
52.5°	6195.9	6095.4	5998.2	5845.9	5615.8	5424.6	5252.9	5035.8	4760.3	4449.2	4160.8
50°	6960.6	6908.8	6805.1	6626.9	6364.4	6195.9	5969.0	5680.6	5385.7	5058.5	4698.8
47.5°	7974.9	7890.7	7744.8	7550.4	7330.1	7077.3	6772.7	6435.7	6017.6	5654.7	5272.3
45°	9186.9	9031.3	8843.4	8580.9	8308.7	8023.5	7689.8	7262.0	6701.4	6228.3	5826.5
42.5°	10499.3	10288.6	10032.6	9689.2	9335.9	8986.0	8626.3	8043.0	7343.0	6798.6	6344.9
40°	11870.0	11601.1	11280.2	10781.2	10389.1	9938.7	9527.1	8655.4	7910.1	7320.3	6837.5
37.5°	13211.6	12871.3	12333.4	11727.4	11270.5	10901.1	9997.0	9063.7	8396.2	7748.1	7258.8
35°	14238.8	13950.4	13001.0	12372.3	11980.2	11396.9	10266.0	9310.0	8603.6	8065.7	7304.1
32.5°	14848.1	14102.7	13269.9	12634.8	12310.7	11354.8	10285.4	9381.3	8700.8	8098.1	7187.5
30°	14712.0	13811.1	13082.0	12550.5	11847.3	10988.6	10103.9	9271.1	8610.1	7880.9	7057.9
27.5°	13892.1	13195.4	12544.0	11989.9	11299.7	10528.4	9711.8	8979.5	8363.8	7657.3	6879.6
25°	12965.3	12333.4	11850.6	11367.7	10713.2	9977.6	9258.2	8730.0	8111.0	7414.3	6646.3
22.5°	12113.1	11659.4	11280.2	10774.7	10136.3	9494.7	9047.5	8499.9	7864.7	7158.3	6406.5
20°	11568.7	11260.8	10826.6	10269.2	9766.9	9365.1	8869.3	8289.2	7634.7	6895.8	6202.4
17.5°	11306.2	10949.7	10466.9	10103.9	9718.3	9277.6	8723.5	8107.8	7411.1	6775.9	6225.0
15°	11170.1	10794.2	10476.6	10120.1	9685.9	9222.5	8606.8	7968.4	7411.1	6824.5	6241.2
12.5°	11199.2	10875.2	10528.4	10139.6	9672.9	9177.1	8619.8	8026.8	7450.0	6860.2	6244.5
10°	11290.0	10949.7	10580.3	10149.3	9679.4	9190.1	8655.4	8062.4	7469.4	6876.4	6238.0
7.5°	11322.4	10953.0	10557.6	10123.4	9663.2	9183.6	8661.9	8072.1	7472.6	6873.1	6218.6
5°	11221.9	10888.1	10505.8	10068.3	9617.9	9151.2	8636.0	8059.2	7446.7	6840.7	6169.9
2.5°	11085.8	10816.9	10450.7	10029.4	9572.5	9105.9	8593.9	8000.8	7388.4	6782.4	6108.4
0°	11063.1	10729.4	10359.9	9984.0	9498.0	9005.4	8496.6	7890.7	7281.4	6672.2	6001.4
-2.5°	10914.1	10560.9	10191.4	9783.1	9355.4	8859.6	8324.9	7731.9	7129.1	6529.6	5884.8
-5°	10800.6	10408.5	10016.4	9575.7	9144.7	8648.9	8094.8	7518.0	6928.2	6344.9	5722.8
-7.5°	10648.3	10246.5	9835.0	9374.8	8908.2	8402.7	7855.0	7278.2	6698.2	6118.1	5521.8
-10°	10340.5	9987.3	9601.7	9125.3	8632.7	8127.2	7582.8	7015.7	6435.7	5849.1	5249.6
-12.5°	9967.8	9595.2	9173.9	8736.4	8295.7	7825.9	7281.4	6724.1	6140.8	5551.0	4954.8
-15°	9485.0	9118.8	8687.8	8260.1	7835.6	7385.1	6905.5	6403.3	5810.3	5230.2	4633.9
-17.5°	8882.3	8538.8	8153.1	7744.8	7323.6	6869.9	6403.3	5978.8	5424.6	4880.2	4290.4
-20°	8234.2	7913.3	7566.6	7181.0	6759.7	6315.8	5875.1	5431.1	4951.5	4471.9	3924.3



REPORT NUMBER: P722188
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	7560.1	7236.1	6886.1	6526.4	6137.5	5726.0	5317.7	4893.2	4471.9	4037.7	3574.3
-25°	6782.4	6497.2	6176.4	5826.5	5479.7	5120.0	4731.2	4345.5	3985.8	3609.9	3230.8
-27.5°	5969.0	5706.6	5414.9	5110.3	4812.2	4510.8	4173.8	3817.3	3519.2	3208.1	2893.8
-30°	5113.5	4902.9	4666.3	4400.6	4170.5	3927.5	3645.6	3350.7	3078.5	2841.9	2589.2
-32.5°	4303.4	4125.2	3956.7	3781.7	3554.8	3366.9	3172.5	2955.4	2715.6	2492.0	2310.5
-35°	3606.7	3415.5	3344.2	3214.6	3052.6	2887.3	2744.7	2589.2	2407.7	2210.0	2061.0
-37.5°	3020.2	2906.7	2806.3	2735.0	2628.1	2495.2	2381.8	2268.4	2129.0	1980.0	1830.9
-40°	2563.3	2485.5	2375.3	2339.7	2271.6	2180.9	2064.2	1976.7	1882.7	1769.3	1642.9
-42.5°	2197.1	2138.7	2067.5	2005.9	1976.7	1911.9	1821.2	1736.9	1662.4	1584.6	1487.4
-45°	1895.7	1856.8	1811.5	1756.4	1733.7	1681.8	1617.0	1523.0	1480.9	1416.1	1344.8
-47.5°	1652.7	1633.2	1600.8	1565.2	1532.8	1493.9	1435.5	1377.2	1318.9	1276.8	1221.7
-50°	1461.5	1448.5	1429.1	1399.9	1357.8	1331.9	1293.0	1241.1	1186.0	1150.4	1111.5
-52.5°	1309.2	1296.2	1283.2	1260.6	1228.2	1202.2	1169.8	1127.7	1082.3	1046.7	1014.3
-55°	1192.5	1173.1	1163.3	1143.9	1118.0	1088.8	1059.6	1030.5	991.6	959.2	926.8
-57.5°	1101.8	1075.9	1062.9	1046.7	1020.8	991.6	968.9	939.8	913.8	878.2	849.0
-60°	1030.5	1001.3	975.4	959.2	936.5	907.3	884.7	862.0	836.1	806.9	771.2
-62.5°	972.2	936.5	900.9	881.4	858.7	832.8	810.1	787.4	761.5	732.4	700.0
-65°	917.1	874.9	829.6	810.1	787.4	761.5	732.4	716.2	693.5	667.5	635.1
-67.5°	849.0	803.6	764.8	742.1	719.4	696.7	670.8	654.6	631.9	599.5	567.1
-70°	748.6	719.4	693.5	674.0	654.6	635.1	609.2	583.3	557.4	528.2	499.0
-72.5°	622.2	612.5	609.2	599.5	576.8	554.1	528.2	502.3	479.6	456.9	434.2
-75°	502.3	508.8	515.2	512.0	489.3	466.6	444.0	421.3	405.1	385.6	366.2
-77.5°	398.6	405.1	411.5	411.5	395.3	382.4	366.2	350.0	337.0	320.8	301.4
-80°	307.8	317.6	327.3	333.8	320.8	311.1	298.1	285.2	272.2	259.2	246.3
-82.5°	233.3	243.0	252.8	259.2	249.5	243.0	233.3	223.6	213.9	200.9	191.2
-85°	168.5	175.0	181.5	184.7	178.2	171.7	165.3	158.8	152.3	142.6	136.1
-87.5°	97.2	100.5	103.7	106.9	100.5	94.0	90.7	84.3	81.0	74.5	71.3
-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°	81.0	74.5	68.1	64.8	58.3	48.6	42.1	35.6	29.2	22.7	19.4
85°	171.7	155.5	136.1	126.4	113.4	100.5	87.5	74.5	61.6	48.6	35.6
82.5°	294.9	275.4	256.0	233.3	204.2	168.5	132.9	110.2	90.7	71.3	55.1
80°	444.0	408.3	375.9	346.7	314.3	269.0	220.4	175.0	123.1	94.0	71.3
77.5°	615.7	573.6	528.2	479.6	427.7	366.2	311.1	252.8	191.2	129.6	90.7
75°	810.1	755.0	693.5	625.4	557.4	476.4	398.6	330.5	259.2	181.5	110.2
72.5°	1027.2	959.2	884.7	793.9	687.0	593.0	499.0	408.3	324.1	230.1	149.1
70°	1305.9	1199.0	1088.8	991.6	855.5	706.4	596.3	492.6	385.6	281.9	188.0
67.5°	1604.1	1474.4	1341.6	1199.0	1027.2	852.3	693.5	576.8	450.4	330.5	223.6
65°	1928.1	1766.1	1597.6	1438.8	1202.2	994.8	816.6	657.8	512.0	375.9	259.2
62.5°	2261.9	2070.7	1876.3	1668.9	1396.7	1140.7	933.3	748.6	570.3	418.0	291.6
60°	2618.3	2394.7	2158.2	1898.9	1581.4	1299.4	1043.4	842.5	631.9	460.2	327.3
57.5°	2994.2	2751.2	2472.5	2122.5	1772.6	1451.8	1169.8	926.8	687.0	499.0	353.2
55°	3402.5	3123.9	2819.3	2355.9	1960.5	1604.1	1296.2	1011.0	745.3	531.4	379.1
52.5°	3843.3	3519.2	3133.6	2602.1	2158.2	1759.6	1412.9	1085.6	800.4	567.1	401.8
50°	4335.8	3927.5	3409.0	2829.0	2329.9	1905.4	1529.5	1166.6	845.8	606.0	421.3
47.5°	4847.8	4407.1	3655.3	3039.6	2504.9	2048.0	1649.4	1237.9	891.1	638.4	440.7
45°	5382.5	4740.9	3911.3	3227.6	2657.2	2177.6	1740.2	1302.7	946.2	667.5	456.9
42.5°	5910.7	4993.6	4134.9	3415.5	2799.8	2294.3	1814.7	1364.3	991.6	696.7	473.1
40°	6160.2	5184.8	4313.1	3545.1	2919.7	2398.0	1879.5	1419.3	1030.5	716.2	489.3
37.5°	6263.9	5301.5	4429.8	3668.3	3013.7	2453.1	1934.6	1468.0	1062.9	735.6	502.3
35°	6286.6	5343.6	4488.1	3752.5	3091.5	2504.9	1976.7	1503.6	1088.8	755.0	515.2
32.5°	6244.5	5330.7	4504.3	3781.7	3140.1	2543.8	2005.9	1529.5	1108.3	774.5	528.2
30°	6150.5	5262.6	4446.0	3778.4	3175.7	2566.5	2025.3	1549.0	1127.7	787.4	534.7
27.5°	5998.2	5142.7	4371.5	3781.7	3195.2	2576.2	2035.0	1558.7	1140.7	797.2	547.6
25°	5810.3	4980.7	4374.7	3775.2	3198.4	2579.5	2035.0	1558.7	1143.9	800.4	557.4
22.5°	5593.1	4980.7	4374.7	3765.5	3178.9	2573.0	2025.3	1552.2	1143.9	806.9	567.1
20°	5606.1	4983.9	4365.0	3746.0	3149.8	2553.5	2002.6	1536.0	1134.2	816.6	573.6
17.5°	5615.8	4977.4	4345.5	3720.1	3110.9	2521.1	1973.5	1513.3	1134.2	826.3	576.8
15°	5615.8	4958.0	4316.4	3681.2	3062.3	2475.8	1931.3	1493.9	1137.4	829.6	583.3
12.5°	5606.1	4922.3	4271.0	3629.4	3004.0	2420.7	1905.4	1487.4	1137.4	832.8	583.3
10°	5586.7	4873.7	4212.7	3564.6	2948.9	2401.2	1892.5	1474.4	1130.9	832.8	583.3
7.5°	5551.0	4815.4	4164.1	3525.7	2916.5	2378.5	1873.0	1455.0	1121.2	826.3	589.8
5°	5495.9	4783.0	4125.2	3480.3	2871.1	2362.3	1860.1	1438.8	1114.7	826.3	583.3
2.5°	5424.6	4744.1	4079.8	3422.0	2819.3	2307.2	1817.9	1403.1	1092.1	813.4	576.8
0°	5308.0	4666.3	4002.0	3341.0	2748.0	2252.2	1775.8	1367.5	1069.4	800.4	570.3
-2.5°	5201.0	4562.7	3901.6	3256.7	2679.9	2203.6	1743.4	1348.1	1059.6	797.2	567.1
-5°	5052.0	4420.1	3768.7	3146.5	2589.2	2154.9	1711.0	1325.4	1049.9	790.7	567.1
-7.5°	4886.7	4271.0	3629.4	3033.1	2498.4	2070.7	1649.4	1289.7	1027.2	777.7	563.9
-10°	4630.7	4047.4	3454.4	2903.5	2401.2	1996.2	1597.6	1257.3	1007.8	764.8	550.9
-12.5°	4358.5	3801.1	3253.5	2744.7	2291.0	1918.4	1539.2	1221.7	985.1	751.8	544.4
-15°	4070.1	3548.4	3042.8	2579.5	2171.1	1824.4	1477.7	1182.8	962.4	735.6	534.7
-17.5°	3768.7	3282.6	2825.7	2410.9	2051.2	1727.2	1412.9	1147.1	936.5	719.4	525.0
-20°	3451.2	3010.4	2605.4	2239.2	1924.9	1630.0	1344.8	1105.0	907.3	700.0	512.0



REPORT NUMBER: P722188
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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°	3136.8	2741.5	2378.5	2070.7	1795.2	1529.5	1276.8	1062.9	874.9	677.3	502.3
-25°	2858.1	2488.7	2177.6	1908.7	1668.9	1432.3	1205.5	1020.8	839.3	654.6	489.3
-27.5°	2585.9	2271.6	1980.0	1756.4	1545.7	1338.3	1137.4	975.4	803.6	628.7	476.4
-30°	2333.2	2064.2	1824.4	1607.3	1429.1	1254.1	1079.1	930.0	764.8	602.7	460.2
-32.5°	2103.1	1886.0	1685.1	1477.7	1318.9	1169.8	1024.0	884.7	725.9	576.8	444.0
-35°	1889.2	1720.7	1545.7	1370.7	1208.7	1092.1	965.7	836.1	690.2	547.6	427.7
-37.5°	1698.0	1561.9	1422.6	1273.5	1134.2	1017.5	910.6	787.4	654.6	521.7	411.5
-40°	1532.8	1422.6	1299.4	1179.5	1062.9	952.7	855.5	738.8	618.9	502.3	395.3
-42.5°	1380.5	1296.2	1195.8	1095.3	991.6	894.4	800.4	687.0	583.3	479.6	379.1
-45°	1263.8	1179.5	1098.5	1007.8	920.3	836.1	742.1	641.6	550.9	453.7	362.9
-47.5°	1153.6	1079.1	1004.6	930.0	858.7	781.0	687.0	602.7	515.2	431.0	350.0
-50°	1056.4	985.1	920.3	855.5	793.9	719.4	631.9	563.9	486.1	408.3	333.8
-52.5°	965.7	904.1	839.3	787.4	735.6	661.1	589.8	525.0	456.9	382.4	317.6
-55°	884.7	826.3	768.0	719.4	670.8	606.0	547.6	492.6	427.7	362.9	301.4
-57.5°	806.9	758.3	703.2	657.8	609.2	557.4	508.8	456.9	398.6	343.5	285.2
-60°	735.6	690.2	641.6	596.3	554.1	512.0	466.6	424.5	372.7	320.8	269.0
-62.5°	664.3	625.4	583.3	537.9	505.5	466.6	431.0	388.9	346.7	301.4	239.8
-65°	599.5	563.9	525.0	486.1	456.9	427.7	395.3	356.5	320.8	278.7	213.9
-67.5°	534.7	502.3	469.9	437.5	411.5	388.9	356.5	327.3	298.1	252.8	188.0
-70°	473.1	447.2	418.0	392.1	372.7	346.7	324.1	298.1	272.2	220.4	158.8
-72.5°	414.8	388.9	366.2	346.7	330.5	307.8	288.4	269.0	233.3	184.7	132.9
-75°	346.7	330.5	317.6	301.4	285.2	269.0	252.8	230.1	194.4	149.1	103.7
-77.5°	285.2	275.4	265.7	252.8	239.8	226.8	207.4	184.7	155.5	116.7	84.3
-80°	233.3	223.6	217.1	204.2	194.4	181.5	162.0	142.6	113.4	90.7	68.1
-82.5°	178.2	171.7	165.3	158.8	149.1	136.1	116.7	100.5	84.3	68.1	51.8
-85°	126.4	123.1	116.7	110.2	100.5	90.7	77.8	68.1	58.3	45.4	35.6
-87.5°	64.8	61.6	58.3	55.1	51.8	45.4	38.9	32.4	29.2	22.7	16.2
-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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 CATALOG NUMBER: IFLD-L-SA8B-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	13.0	9.7	3.2	0.0
85°	25.9	16.2	6.5	0.0
82.5°	38.9	25.9	9.7	0.0
80°	51.8	32.4	16.2	0.0
77.5°	64.8	38.9	19.4	0.0
75°	77.8	48.6	22.7	0.0
72.5°	87.5	55.1	25.9	0.0
70°	103.7	64.8	29.2	0.0
67.5°	129.6	71.3	32.4	0.0
65°	152.3	77.8	35.6	0.0
62.5°	178.2	84.3	38.9	0.0
60°	200.9	90.7	42.1	0.0
57.5°	223.6	106.9	45.4	0.0
55°	243.0	119.9	48.6	0.0
52.5°	265.7	132.9	51.8	0.0
50°	285.2	145.8	55.1	0.0
47.5°	301.4	158.8	55.1	0.0
45°	314.3	168.5	58.3	0.0
42.5°	324.1	178.2	61.6	0.0
40°	333.8	188.0	64.8	0.0
37.5°	343.5	197.7	64.8	0.0
35°	353.2	207.4	68.1	0.0
32.5°	362.9	217.1	68.1	0.0
30°	369.4	223.6	71.3	0.0
27.5°	379.1	230.1	71.3	0.0
25°	382.4	236.6	74.5	0.0
22.5°	388.9	239.8	74.5	0.0
20°	395.3	246.3	74.5	0.0
17.5°	398.6	249.5	77.8	0.0
15°	398.6	252.8	81.0	0.0
12.5°	401.8	256.0	81.0	0.0
10°	401.8	262.5	77.8	0.0
7.5°	408.3	259.2	77.8	0.0
5°	405.1	259.2	77.8	0.0
2.5°	401.8	256.0	77.8	0.0
0°	398.6	256.0	77.8	0.0
-2.5°	398.6	256.0	77.8	0.0
-5°	398.6	256.0	77.8	0.0
-7.5°	395.3	259.2	77.8	0.0
-10°	388.9	259.2	77.8	0.0
-12.5°	385.6	249.5	77.8	0.0
-15°	382.4	246.3	77.8	0.0
-17.5°	375.9	243.0	74.5	0.0
-20°	369.4	239.8	74.5	0.0



REPORT NUMBER: P722188

CATALOG NUMBER: IFLD-L-SA8B-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	362.9	233.3	74.5	0.0
-25°	356.5	226.8	71.3	0.0
-27.5°	350.0	220.4	71.3	0.0
-30°	340.3	213.9	68.1	0.0
-32.5°	330.5	207.4	68.1	0.0
-35°	324.1	197.7	64.8	0.0
-37.5°	314.3	188.0	64.8	0.0
-40°	304.6	178.2	61.6	0.0
-42.5°	294.9	168.5	58.3	0.0
-45°	281.9	158.8	58.3	0.0
-47.5°	272.2	149.1	55.1	0.0
-50°	256.0	136.1	51.8	0.0
-52.5°	236.6	123.1	48.6	0.0
-55°	217.1	113.4	45.4	0.0
-57.5°	197.7	100.5	45.4	0.0
-60°	178.2	87.5	42.1	0.0
-62.5°	158.8	81.0	38.9	0.0
-65°	139.3	74.5	35.6	0.0
-67.5°	116.7	64.8	32.4	0.0
-70°	97.2	58.3	29.2	0.0
-72.5°	84.3	51.8	25.9	0.0
-75°	71.3	45.4	22.7	0.0
-77.5°	61.6	38.9	19.4	0.0
-80°	48.6	29.2	13.0	0.0
-82.5°	35.6	22.7	9.7	0.0
-85°	22.7	16.2	6.5	0.0
-87.5°	13.0	6.5	3.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)