

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: P722013

Luminaire Tested: **IFLD-L-SA8A-727-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722013
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-727-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (128) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

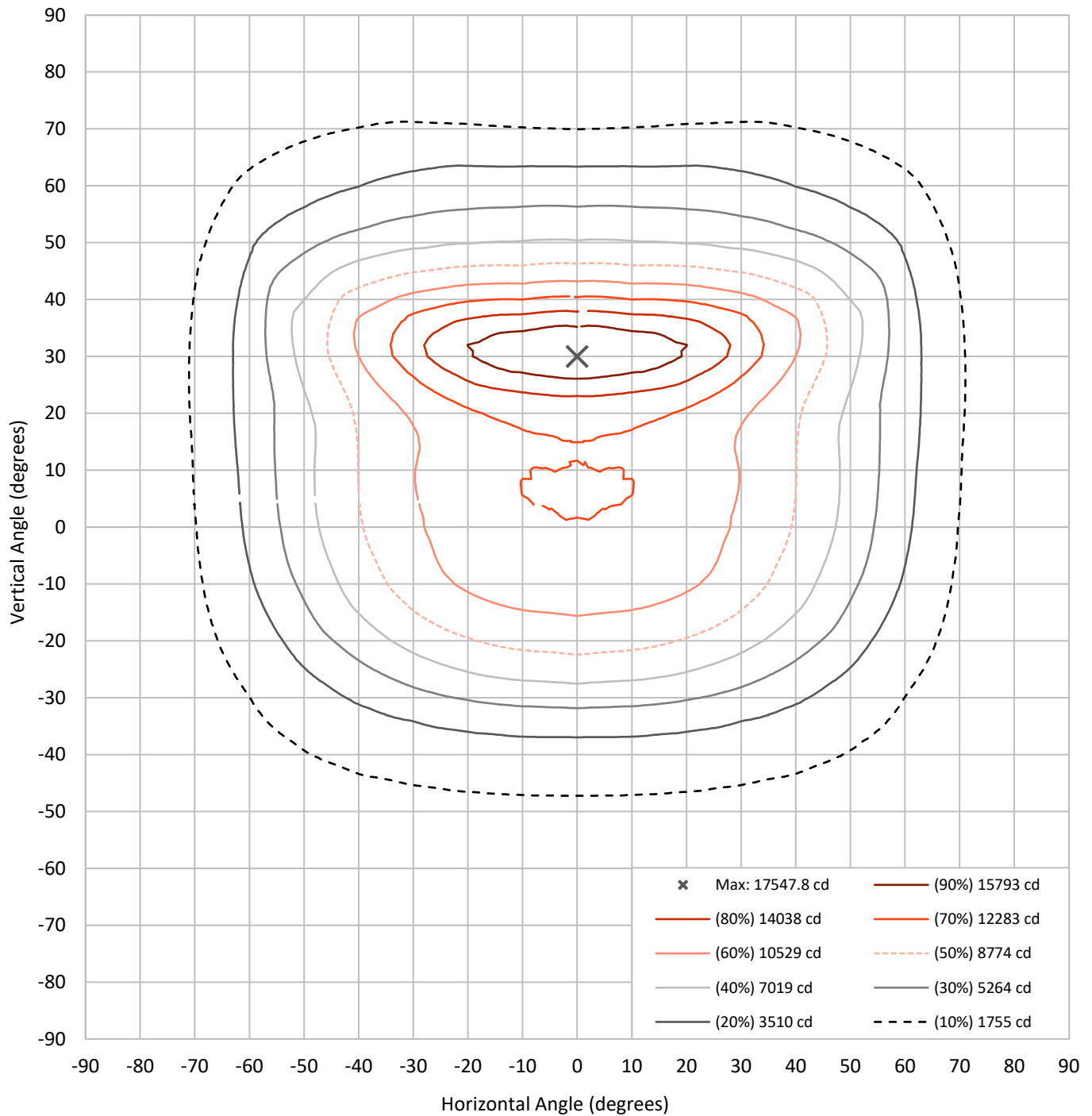
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	29291.6 lumens	Max Intensity:	17547.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	118.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	17033.4 lumens	Field Lumens:	27450.1 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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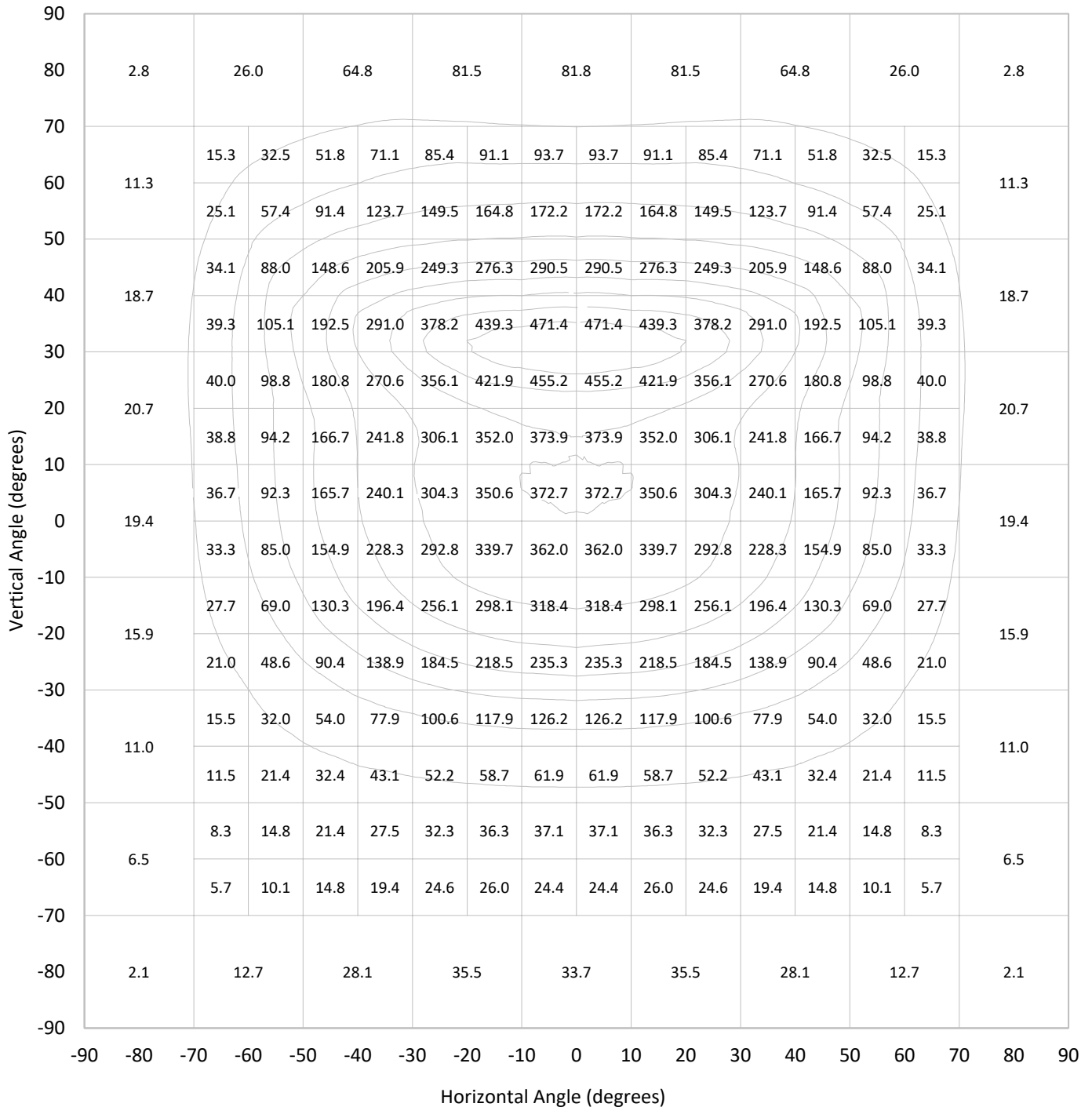
Iso-Candela Plot





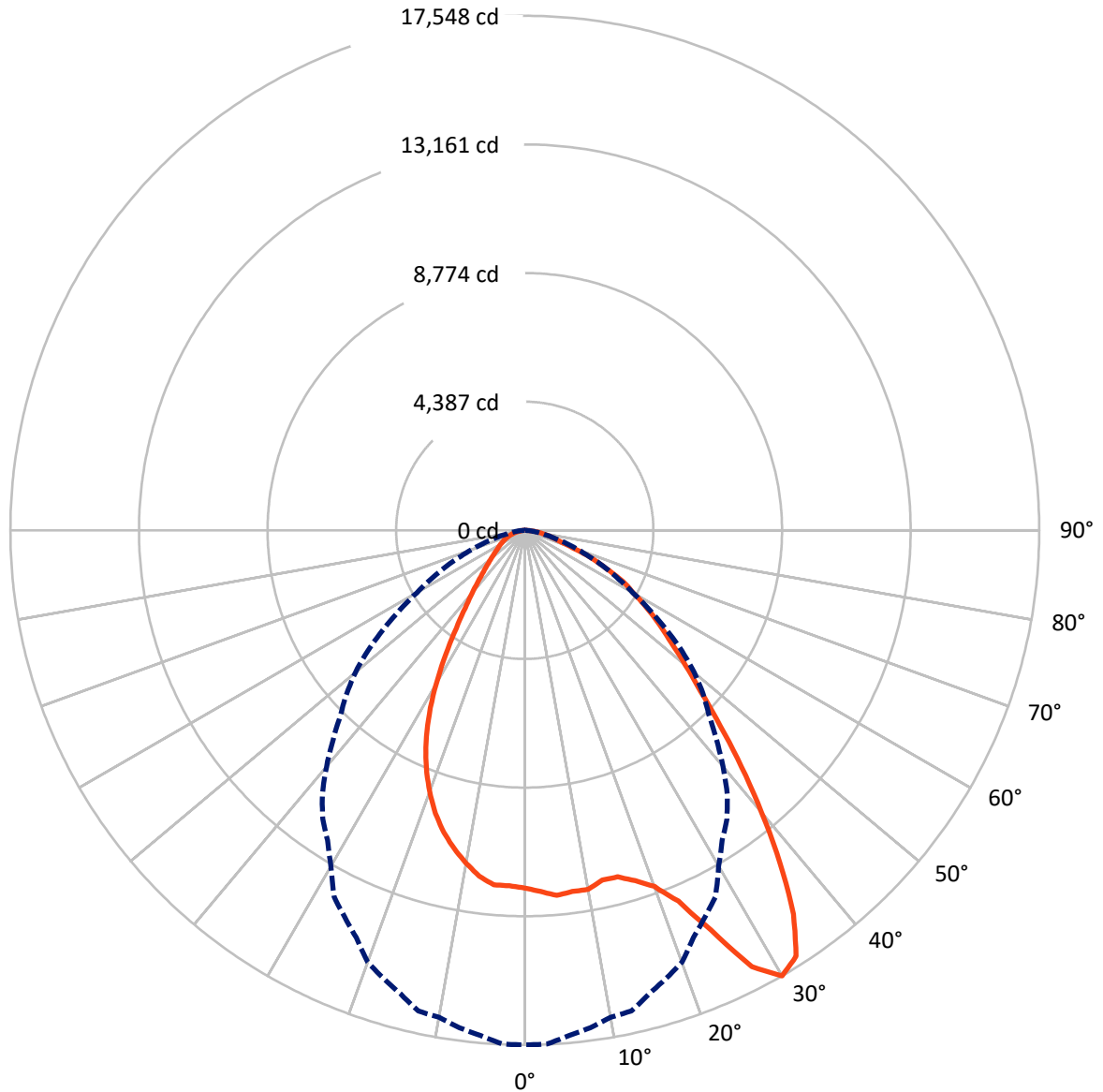
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Lumen Table



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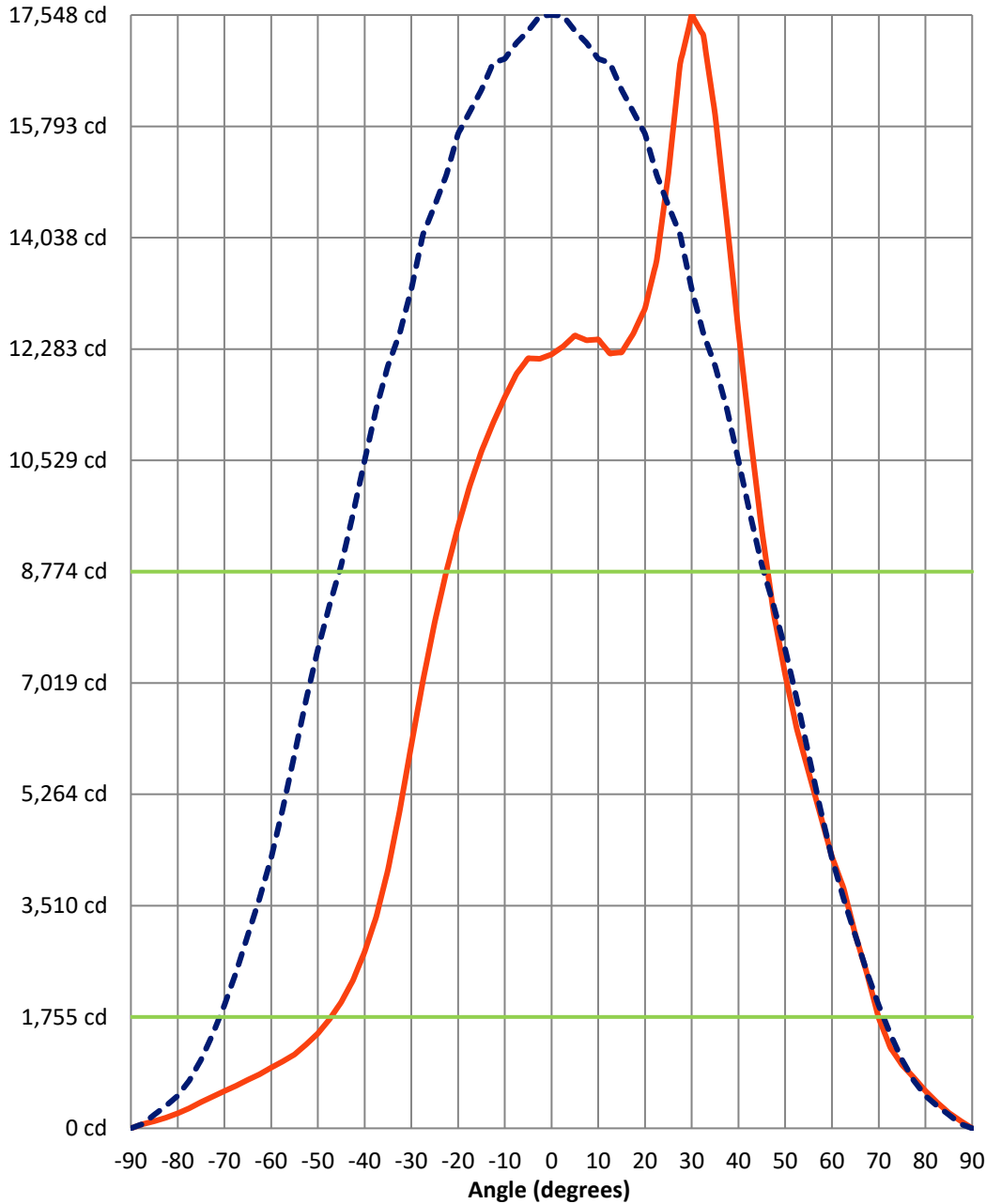
Luminous Intensity Polar Plot



— 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: 17033.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 27450.1
 Efficiency: 93.7%

Spill:
 Lumens: 1841.6
 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°	117.9	121.0	124.1	124.1	121.0	121.0	121.0	117.9	121.0	121.0	121.0
85°	245.1	251.3	257.6	254.5	251.3	245.1	238.9	242.0	245.1	248.2	248.2
82.5°	406.5	415.8	422.0	418.9	412.7	406.5	400.3	403.4	409.6	412.7	412.7
80°	589.6	592.7	595.8	602.0	592.7	592.7	589.6	602.0	608.2	614.4	620.6
77.5°	800.6	803.7	803.7	806.8	809.9	813.0	813.0	834.7	850.2	859.5	868.9
75°	999.2	1008.5	1017.8	1027.1	1039.5	1045.7	1055.0	1086.1	1110.9	1129.5	1148.1
72.5°	1272.3	1284.7	1300.2	1321.9	1343.6	1359.1	1380.9	1418.1	1446.0	1464.6	1486.4
70°	1740.8	1753.2	1768.7	1784.3	1806.0	1821.5	1843.2	1889.8	1917.7	1930.1	1942.5
67.5°	2435.9	2466.9	2494.9	2463.8	2448.3	2426.6	2432.8	2476.2	2504.2	2522.8	2519.7
65°	3053.4	3075.1	3075.1	3072.0	3059.6	3031.7	3047.2	3100.0	3131.0	3146.5	3100.0
62.5°	3779.5	3779.5	3764.0	3788.8	3791.9	3773.3	3764.0	3767.1	3770.2	3779.5	3701.9
60°	4282.2	4313.2	4322.6	4344.3	4350.5	4350.5	4366.0	4378.4	4378.4	4359.8	4269.8
57.5°	4946.3	5005.2	5017.6	5002.1	4971.1	4930.8	4924.5	4905.9	4868.7	4831.5	4788.0
55°	5616.5	5647.6	5644.5	5635.1	5604.1	5557.6	5563.8	5539.0	5480.0	5433.5	5374.5
52.5°	6289.9	6364.4	6376.8	6358.2	6314.7	6265.1	6268.2	6240.2	6181.3	6131.6	6051.0
50°	7149.4	7211.5	7205.3	7174.3	7112.2	7075.0	7078.1	7025.3	6957.1	6941.5	6836.0
47.5°	8133.1	8204.5	8192.1	8148.6	8064.8	8049.3	8064.8	7996.6	7956.2	7922.1	7798.0
45°	9424.0	9507.8	9461.2	9377.4	9244.0	9259.5	9281.2	9268.8	9181.9	9092.0	8933.7
42.5°	10938.3	10991.0	10935.2	10851.4	10683.8	10714.9	10702.4	10628.0	10575.2	10426.3	10224.6
40°	12558.1	12672.9	12586.0	12455.7	12281.9	12328.4	12294.3	12198.1	12074.0	11887.8	11633.4
37.5°	14305.1	14395.1	14295.8	14143.7	13988.6	13973.1	13904.8	13755.8	13579.0	13374.2	12967.7
35°	15977.6	16210.4	16027.3	15785.2	15596.0	15524.6	15459.4	15115.0	14913.3	14581.3	14025.8
32.5°	17222.0	17392.6	17166.1	16914.8	16685.1	16585.8	16356.2	15946.6	15838.0	15139.8	14630.9
30°	17547.8	17535.4	17299.5	17107.1	16858.9	16790.6	16368.6	16021.1	15673.5	15028.1	14544.0
27.5°	16772.0	16694.4	16467.9	16300.4	16055.2	15974.5	15558.7	15372.5	14835.7	14289.6	13880.0
25°	15043.6	15084.0	14913.3	14829.5	14668.1	14494.4	14329.9	14078.6	13743.4	13265.6	12890.1
22.5°	13681.4	13734.1	13662.8	13563.5	13439.3	13343.1	13219.0	13023.5	12700.8	12406.0	12052.3
20°	12924.2	12908.7	12846.7	12772.2	12654.3	12586.0	12449.5	12285.0	12036.8	11782.3	11400.6
17.5°	12527.0	12430.8	12371.9	12344.0	12281.9	12195.0	12033.6	11866.1	11673.7	11385.1	11105.8
15°	12232.2	12247.8	12201.2	12179.5	12129.8	12008.8	11844.4	11707.8	11447.2	11301.3	11046.9
12.5°	12213.6	12198.1	12201.2	12191.9	12129.8	11974.7	11890.9	11717.1	11549.6	11357.2	11065.5
10°	12433.9	12269.5	12281.9	12325.3	12226.0	12101.9	12011.9	11822.6	11664.4	11419.2	11130.7
7.5°	12421.5	12337.7	12362.6	12291.2	12322.2	12170.2	12046.1	11856.8	11658.2	11397.5	11136.9
5°	12496.0	12368.8	12347.1	12353.3	12275.7	12160.9	11993.3	11813.3	11627.1	11335.5	11068.6
2.5°	12325.3	12344.0	12244.7	12207.4	12198.1	12005.7	11850.6	11676.8	11484.4	11226.9	10987.9
0°	12198.1	12232.2	12129.8	12077.1	12074.0	11909.5	11810.2	11611.6	11475.1	11261.0	10972.4
-2.5°	12129.8	12170.2	12182.6	12086.4	11993.3	11866.1	11698.5	11484.4	11261.0	11012.7	10764.5
-5°	12136.1	12055.4	12021.2	12052.3	11971.6	11844.4	11658.2	11468.9	11248.6	10981.7	10671.4
-7.5°	11890.9	11810.2	11804.0	11788.5	11769.9	11648.9	11493.7	11288.9	11065.5	10817.3	10528.7
-10°	11524.7	11465.8	11450.3	11434.8	11385.1	11313.7	11167.9	10981.7	10780.0	10531.8	10224.6
-12.5°	11118.2	11090.3	11031.4	10991.0	10941.4	10857.6	10718.0	10547.3	10345.6	10125.3	9861.5
-15°	10668.3	10615.6	10556.6	10522.5	10451.1	10351.8	10212.2	10053.9	9833.6	9616.4	9368.1
-17.5°	10125.3	10060.1	9994.9	9985.6	9936.0	9783.9	9653.6	9461.2	9268.8	9060.9	8818.9
-20°	9486.0	9396.1	9352.6	9327.8	9259.5	9147.8	9008.2	8831.3	8645.1	8446.5	8167.2



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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°	8778.5	8701.0	8626.5	8579.9	8521.0	8434.1	8300.7	8145.5	7962.4	7739.0	7481.5
-25°	7974.9	7866.2	7819.7	7766.9	7735.9	7655.2	7524.9	7382.2	7192.9	6975.7	6730.5
-27.5°	7056.3	6969.5	6944.6	6870.2	6832.9	6749.1	6640.5	6507.1	6333.3	6128.5	5926.8
-30°	6041.6	5988.9	5948.6	5874.1	5846.2	5756.2	5684.8	5573.1	5414.8	5269.0	5107.6
-32.5°	4999.0	4946.3	4933.9	4899.7	4881.1	4822.1	4741.5	4660.8	4533.6	4425.0	4294.6
-35°	4074.3	4037.1	4040.2	4037.1	4018.5	3975.0	3875.7	3854.0	3760.9	3661.6	3577.8
-37.5°	3335.8	3338.9	3335.8	3332.7	3307.9	3289.2	3217.9	3189.9	3134.1	3037.9	2988.2
-40°	2780.3	2786.5	2783.4	2777.2	2749.3	2740.0	2693.5	2656.2	2634.5	2566.2	2513.5
-42.5°	2330.4	2339.7	2336.6	2333.5	2314.9	2311.8	2287.0	2243.5	2231.1	2190.8	2134.9
-45°	1989.1	1986.0	1979.7	1986.0	1976.6	1967.3	1951.8	1923.9	1908.4	1889.8	1843.2
-47.5°	1719.1	1722.2	1716.0	1716.0	1703.6	1694.3	1688.1	1669.4	1657.0	1641.5	1613.6
-50°	1495.7	1508.1	1505.0	1501.9	1492.6	1486.4	1486.4	1467.7	1449.1	1442.9	1424.3
-52.5°	1321.9	1331.2	1334.3	1340.5	1343.6	1346.7	1337.4	1318.8	1287.8	1284.7	1275.4
-55°	1163.6	1191.6	1210.2	1222.6	1235.0	1244.3	1225.7	1200.9	1169.9	1157.4	1154.3
-57.5°	1055.0	1083.0	1104.7	1123.3	1138.8	1154.3	1135.7	1110.9	1083.0	1067.5	1064.3
-60°	955.7	980.6	1002.3	1027.1	1048.8	1073.7	1064.3	1045.7	1030.2	1017.8	1005.4
-62.5°	850.2	875.1	899.9	930.9	958.8	983.7	986.8	983.7	980.6	983.7	961.9
-65°	763.4	775.8	791.3	825.4	856.4	884.4	899.9	909.2	924.7	940.2	918.5
-67.5°	670.3	685.8	704.4	729.2	754.0	772.7	794.4	819.2	844.0	868.9	853.3
-70°	586.5	598.9	614.4	626.8	642.3	654.7	673.4	701.3	729.2	754.0	747.8
-72.5°	499.6	512.0	521.3	527.5	536.8	543.0	552.3	577.2	595.8	608.2	608.2
-75°	412.7	425.1	434.4	437.5	443.7	446.8	453.0	462.4	471.7	474.8	477.9
-77.5°	316.5	328.9	338.2	344.4	350.6	356.9	360.0	366.2	369.3	369.3	372.4
-80°	235.8	245.1	251.3	260.7	263.8	270.0	276.2	279.3	282.4	282.4	285.5
-82.5°	167.6	173.8	180.0	186.2	192.4	195.5	201.7	204.8	207.9	211.0	214.1
-85°	111.7	117.9	124.1	130.3	133.4	136.5	139.6	142.7	145.8	148.9	152.0
-87.5°	65.2	68.3	71.4	77.6	80.7	86.9	90.0	86.9	90.0	90.0	90.0
-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°	121.0	121.0	121.0	121.0	117.9	111.7	108.6	102.4	96.2	90.0	83.8
85°	251.3	254.5	254.5	254.5	248.2	245.1	235.8	226.5	214.1	195.5	180.0
82.5°	418.9	422.0	422.0	418.9	412.7	403.4	391.0	375.5	350.6	325.8	304.1
80°	629.9	633.0	633.0	629.9	614.4	598.9	583.4	564.8	533.7	499.6	462.4
77.5°	881.3	887.5	887.5	878.2	856.4	837.8	813.0	782.0	735.4	685.8	636.1
75°	1173.0	1188.5	1191.6	1182.3	1154.3	1120.2	1079.9	1027.1	955.7	893.7	834.7
72.5°	1511.2	1526.7	1539.1	1526.7	1486.4	1439.8	1380.9	1318.8	1247.4	1163.6	1064.3
70°	1954.9	1970.4	1979.7	1939.4	1868.0	1790.5	1719.1	1647.7	1563.9	1461.5	1352.9
67.5°	2513.5	2498.0	2479.3	2398.7	2308.7	2215.6	2116.3	2010.8	1902.2	1793.6	1666.3
65°	3050.3	3006.9	2966.5	2870.3	2755.5	2634.5	2519.7	2401.8	2271.4	2134.9	2013.9
62.5°	3615.1	3522.0	3422.7	3304.8	3186.8	3053.4	2938.6	2799.0	2653.1	2485.5	2330.4
60°	4170.5	4058.8	3959.5	3813.7	3658.5	3478.5	3354.4	3217.9	3047.2	2867.2	2684.1
57.5°	4707.3	4586.3	4477.7	4350.5	4182.9	3987.4	3850.9	3674.0	3494.0	3267.5	3081.3
55°	5278.3	5157.3	5070.4	4927.7	4744.6	4564.6	4415.6	4229.5	3978.1	3736.1	3506.5
52.5°	5933.0	5836.8	5743.8	5597.9	5377.6	5194.5	5030.1	4822.1	4558.4	4260.5	3984.3
50°	6665.4	6615.7	6516.4	6345.7	6094.4	5933.0	5715.8	5439.7	5157.3	4843.9	4499.4
47.5°	7636.6	7555.9	7416.3	7230.1	7019.1	6777.1	6485.4	6162.7	5762.4	5414.8	5048.7
45°	8797.2	8648.2	8468.2	8216.9	7956.2	7683.2	7363.6	6953.9	6417.1	5964.1	5579.3
42.5°	10053.9	9852.2	9607.1	9278.1	8939.9	8604.8	8260.3	7701.8	7031.5	6510.2	6075.8
40°	11366.5	11108.9	10801.7	10323.9	9948.4	9517.1	9123.0	8288.3	7574.6	7009.8	6547.4
37.5°	12651.2	12325.3	11810.2	11230.0	10792.4	10438.7	9572.9	8679.2	8040.0	7419.4	6950.8
35°	13634.8	13358.7	12449.5	11847.5	11472.0	10913.4	9830.5	8915.1	8238.6	7723.5	6994.3
32.5°	14218.2	13504.5	12707.0	12098.8	11788.5	10873.1	9849.1	8983.3	8331.7	7754.5	6882.6
30°	14087.9	13225.2	12527.0	12018.1	11344.8	10522.5	9675.3	8877.8	8244.8	7546.6	6758.5
27.5°	13302.8	12635.6	12011.9	11481.3	10820.4	10081.8	9299.9	8598.6	8009.0	7332.5	6587.8
25°	12415.3	11810.2	11347.9	10885.5	10258.7	9554.3	8865.4	8359.6	7766.9	7099.8	6364.4
22.5°	11599.2	11164.8	10801.7	10317.7	9706.4	9092.0	8663.7	8139.3	7531.1	6854.6	6134.7
20°	11077.9	10783.1	10367.3	9833.6	9352.6	8967.8	8493.1	7937.6	7310.8	6603.3	5939.2
17.5°	10826.6	10485.2	10022.9	9675.3	9306.1	8884.0	8353.4	7763.8	7096.7	6488.5	5961.0
15°	10696.2	10336.3	10032.2	9690.8	9275.0	8831.3	8241.7	7630.4	7096.7	6535.0	5976.5
12.5°	10724.2	10413.9	10081.8	9709.5	9262.6	8787.9	8254.1	7686.3	7133.9	6569.2	5979.6
10°	10811.0	10485.2	10131.5	9718.8	9268.8	8800.3	8288.3	7720.4	7152.5	6584.7	5973.4
7.5°	10842.1	10488.3	10109.8	9693.9	9253.3	8794.1	8294.5	7729.7	7155.6	6581.6	5954.8
5°	10745.9	10426.3	10060.1	9641.2	9209.9	8763.0	8269.6	7717.3	7130.8	6550.6	5908.2
2.5°	10615.6	10358.0	10007.4	9604.0	9166.4	8719.6	8229.3	7661.4	7075.0	6494.7	5849.3
0°	10593.8	10274.2	9920.5	9560.5	9095.1	8623.4	8136.2	7555.9	6972.6	6389.2	5746.9
-2.5°	10451.1	10112.9	9759.1	9368.1	8958.5	8483.8	7971.7	7403.9	6826.7	6252.7	5635.1
-5°	10342.5	9967.0	9591.5	9169.5	8756.8	8282.1	7751.4	7199.1	6634.3	6075.8	5480.0
-7.5°	10196.6	9811.9	9417.8	8977.1	8530.3	8046.2	7521.8	6969.5	6414.0	5858.6	5287.6
-10°	9901.9	9563.6	9194.4	8738.2	8266.5	7782.5	7261.2	6718.1	6162.7	5601.0	5027.0
-12.5°	9545.0	9188.1	8784.8	8365.8	7943.8	7493.9	6972.6	6438.8	5880.3	5315.5	4744.6
-15°	9082.6	8732.0	8319.3	7909.7	7503.2	7071.9	6612.6	6131.6	5563.8	5008.3	4437.4
-17.5°	8505.5	8176.6	7807.3	7416.3	7012.9	6578.5	6131.6	5725.1	5194.5	4673.2	4108.4
-20°	7884.9	7577.7	7245.6	6876.4	6473.0	6047.9	5625.8	5200.7	4741.5	4282.2	3757.8



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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°	7239.4	6929.1	6594.0	6249.6	5877.2	5483.1	5092.1	4685.6	4282.2	3866.4	3422.7
-25°	6494.7	6221.6	5914.4	5579.3	5247.3	4902.8	4530.5	4161.2	3816.8	3456.8	3093.7
-27.5°	5715.8	5464.5	5185.2	4893.5	4608.0	4319.5	3996.7	3655.4	3369.9	3072.0	2771.0
-30°	4896.6	4694.9	4468.4	4213.9	3993.6	3760.9	3490.9	3208.6	2947.9	2721.4	2479.3
-32.5°	4120.9	3950.2	3788.8	3621.3	3404.1	3224.1	3037.9	2830.0	2600.4	2386.2	2212.5
-35°	3453.7	3270.6	3202.4	3078.2	2923.1	2764.8	2628.3	2479.3	2305.6	2116.3	1973.5
-37.5°	2892.0	2783.4	2687.2	2619.0	2516.6	2389.4	2280.7	2172.1	2038.7	1896.0	1753.2
-40°	2454.5	2380.0	2274.5	2240.4	2175.2	2088.4	1976.6	1892.9	1802.9	1694.3	1573.2
-42.5°	2103.9	2048.0	1979.7	1920.8	1892.9	1830.8	1743.9	1663.2	1591.9	1517.4	1424.3
-45°	1815.3	1778.1	1734.6	1681.9	1660.1	1610.5	1548.4	1458.4	1418.1	1356.0	1287.8
-47.5°	1582.6	1563.9	1532.9	1498.8	1467.7	1430.5	1374.7	1318.8	1262.9	1222.6	1169.9
-50°	1399.5	1387.1	1368.4	1340.5	1300.2	1275.4	1238.1	1188.5	1135.7	1101.6	1064.3
-52.5°	1253.6	1241.2	1228.8	1207.1	1176.1	1151.2	1120.2	1079.9	1036.4	1002.3	971.3
-55°	1141.9	1123.3	1114.0	1095.4	1070.6	1042.6	1014.7	986.8	949.5	918.5	887.5
-57.5°	1055.0	1030.2	1017.8	1002.3	977.5	949.5	927.8	899.9	875.1	840.9	813.0
-60°	986.8	958.8	934.0	918.5	896.8	868.9	847.1	825.4	800.6	772.7	738.5
-62.5°	930.9	896.8	862.6	844.0	822.3	797.5	775.8	754.0	729.2	701.3	670.3
-65°	878.2	837.8	794.4	775.8	754.0	729.2	701.3	685.8	664.1	639.2	608.2
-67.5°	813.0	769.6	732.3	710.6	688.9	667.2	642.3	626.8	605.1	574.1	543.0
-70°	716.8	688.9	664.1	645.4	626.8	608.2	583.4	558.6	533.7	505.8	477.9
-72.5°	595.8	586.5	583.4	574.1	552.3	530.6	505.8	481.0	459.3	437.5	415.8
-75°	481.0	487.2	493.4	490.3	468.6	446.8	425.1	403.4	387.9	369.3	350.6
-77.5°	381.7	387.9	394.1	394.1	378.6	366.2	350.6	335.1	322.7	307.2	288.6
-80°	294.8	304.1	313.4	319.6	307.2	297.9	285.5	273.1	260.7	248.2	235.8
-82.5°	223.4	232.7	242.0	248.2	238.9	232.7	223.4	214.1	204.8	192.4	183.1
-85°	161.4	167.6	173.8	176.9	170.7	164.5	158.3	152.0	145.8	136.5	130.3
-87.5°	93.1	96.2	99.3	102.4	96.2	90.0	86.9	80.7	77.6	71.4	68.3
-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°	77.6	71.4	65.2	62.1	55.9	46.5	40.3	34.1	27.9	21.7	18.6
85°	164.5	148.9	130.3	121.0	108.6	96.2	83.8	71.4	59.0	46.5	34.1
82.5°	282.4	263.8	245.1	223.4	195.5	161.4	127.2	105.5	86.9	68.3	52.8
80°	425.1	391.0	360.0	332.0	301.0	257.6	211.0	167.6	117.9	90.0	68.3
77.5°	589.6	549.2	505.8	459.3	409.6	350.6	297.9	242.0	183.1	124.1	86.9
75°	775.8	723.0	664.1	598.9	533.7	456.1	381.7	316.5	248.2	173.8	105.5
72.5°	983.7	918.5	847.1	760.2	657.8	567.9	477.9	391.0	310.3	220.3	142.7
70°	1250.5	1148.1	1042.6	949.5	819.2	676.5	571.0	471.7	369.3	270.0	180.0
67.5°	1536.0	1411.9	1284.7	1148.1	983.7	816.1	664.1	552.3	431.3	316.5	214.1
65°	1846.3	1691.2	1529.8	1377.8	1151.2	952.6	782.0	629.9	490.3	360.0	248.2
62.5°	2165.9	1982.9	1796.7	1598.1	1337.4	1092.3	893.7	716.8	546.1	400.3	279.3
60°	2507.3	2293.2	2066.6	1818.4	1514.3	1244.3	999.2	806.8	605.1	440.6	313.4
57.5°	2867.2	2634.5	2367.6	2032.5	1697.4	1390.2	1120.2	887.5	657.8	477.9	338.2
55°	3258.2	2991.3	2699.7	2255.9	1877.3	1536.0	1241.2	968.2	713.7	508.9	363.1
52.5°	3680.2	3369.9	3000.7	2491.8	2066.6	1685.0	1352.9	1039.5	766.5	543.0	384.8
50°	4151.9	3760.9	3264.4	2709.0	2231.1	1824.6	1464.6	1117.1	809.9	580.3	403.4
47.5°	4642.2	4220.2	3500.2	2910.7	2398.7	1961.1	1579.5	1185.4	853.3	611.3	422.0
45°	5154.2	4539.8	3745.4	3090.6	2544.5	2085.3	1666.3	1247.4	906.1	639.2	437.5
42.5°	5660.0	4781.8	3959.5	3270.6	2681.0	2197.0	1737.7	1306.4	949.5	667.2	453.0
40°	5898.9	4964.9	4130.2	3394.7	2795.9	2296.3	1799.8	1359.1	986.8	685.8	468.6
37.5°	5998.2	5076.6	4241.9	3512.7	2885.8	2349.0	1852.5	1405.7	1017.8	704.4	481.0
35°	6019.9	5116.9	4297.7	3593.3	2960.3	2398.7	1892.9	1439.8	1042.6	723.0	493.4
32.5°	5979.6	5104.5	4313.2	3621.3	3006.9	2435.9	1920.8	1464.6	1061.2	741.6	505.8
30°	5889.6	5039.4	4257.4	3618.2	3041.0	2457.6	1939.4	1483.3	1079.9	754.0	512.0
27.5°	5743.8	4924.5	4186.0	3621.3	3059.6	2466.9	1948.7	1492.6	1092.3	763.4	524.4
25°	5563.8	4769.4	4189.1	3615.1	3062.7	2470.0	1948.7	1492.6	1095.4	766.5	533.7
22.5°	5355.9	4769.4	4189.1	3605.8	3044.1	2463.8	1939.4	1486.4	1095.4	772.7	543.0
20°	5368.3	4772.5	4179.8	3587.1	3016.2	2445.2	1917.7	1470.8	1086.1	782.0	549.2
17.5°	5377.6	4766.3	4161.2	3562.3	2978.9	2414.2	1889.8	1449.1	1086.1	791.3	552.3
15°	5377.6	4747.7	4133.3	3525.1	2932.4	2370.7	1849.4	1430.5	1089.2	794.4	558.6
12.5°	5368.3	4713.5	4089.8	3475.4	2876.5	2318.0	1824.6	1424.3	1089.2	797.5	558.6
10°	5349.7	4667.0	4034.0	3413.4	2823.8	2299.4	1812.2	1411.9	1083.0	797.5	558.6
7.5°	5315.5	4611.1	3987.4	3376.1	2792.8	2277.6	1793.6	1393.3	1073.7	791.3	564.8
5°	5262.8	4580.1	3950.2	3332.7	2749.3	2262.1	1781.2	1377.8	1067.5	791.3	558.6
2.5°	5194.5	4542.9	3906.7	3276.8	2699.7	2209.4	1740.8	1343.6	1045.7	778.9	552.3
0°	5082.8	4468.4	3832.3	3199.3	2631.4	2156.6	1700.5	1309.5	1024.0	766.5	546.1
-2.5°	4980.4	4369.1	3736.1	3118.6	2566.2	2110.1	1669.4	1290.9	1014.7	763.4	543.0
-5°	4837.7	4232.6	3608.9	3013.1	2479.3	2063.5	1638.4	1269.1	1005.4	757.1	543.0
-7.5°	4679.4	4089.8	3475.4	2904.5	2392.5	1982.9	1579.5	1235.0	983.7	744.7	539.9
-10°	4434.3	3875.7	3307.9	2780.3	2299.4	1911.5	1529.8	1204.0	965.1	732.3	527.5
-12.5°	4173.6	3639.9	3115.5	2628.3	2193.9	1837.0	1474.0	1169.9	943.3	719.9	521.3
-15°	3897.4	3397.8	2913.8	2470.0	2079.0	1747.0	1415.0	1132.6	921.6	704.4	512.0
-17.5°	3608.9	3143.4	2705.9	2308.7	1964.2	1653.9	1352.9	1098.5	896.8	688.9	502.7
-20°	3304.8	2882.7	2494.9	2144.2	1843.2	1560.8	1287.8	1058.1	868.9	670.3	490.3



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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°	3003.8	2625.2	2277.6	1982.9	1719.1	1464.6	1222.6	1017.8	837.8	648.5	481.0
-25°	2736.9	2383.1	2085.3	1827.7	1598.1	1371.6	1154.3	977.5	803.7	626.8	468.6
-27.5°	2476.2	2175.2	1896.0	1681.9	1480.2	1281.6	1089.2	934.0	769.6	602.0	456.1
-30°	2234.2	1976.6	1747.0	1539.1	1368.4	1200.9	1033.3	890.6	732.3	577.2	440.6
-32.5°	2013.9	1806.0	1613.6	1415.0	1262.9	1120.2	980.6	847.1	695.1	552.3	425.1
-35°	1809.1	1647.7	1480.2	1312.6	1157.4	1045.7	924.7	800.6	661.0	524.4	409.6
-37.5°	1626.0	1495.7	1362.2	1219.5	1086.1	974.4	872.0	754.0	626.8	499.6	394.1
-40°	1467.7	1362.2	1244.3	1129.5	1017.8	912.3	819.2	707.5	592.7	481.0	378.6
-42.5°	1321.9	1241.2	1145.0	1048.8	949.5	856.4	766.5	657.8	558.6	459.3	363.1
-45°	1210.2	1129.5	1051.9	965.1	881.3	800.6	710.6	614.4	527.5	434.4	347.5
-47.5°	1104.7	1033.3	961.9	890.6	822.3	747.8	657.8	577.2	493.4	412.7	335.1
-50°	1011.6	943.3	881.3	819.2	760.2	688.9	605.1	539.9	465.5	391.0	319.6
-52.5°	924.7	865.8	803.7	754.0	704.4	633.0	564.8	502.7	437.5	366.2	304.1
-55°	847.1	791.3	735.4	688.9	642.3	580.3	524.4	471.7	409.6	347.5	288.6
-57.5°	772.7	726.1	673.4	629.9	583.4	533.7	487.2	437.5	381.7	328.9	273.1
-60°	704.4	661.0	614.4	571.0	530.6	490.3	446.8	406.5	356.9	307.2	257.6
-62.5°	636.1	598.9	558.6	515.1	484.1	446.8	412.7	372.4	332.0	288.6	229.6
-65°	574.1	539.9	502.7	465.5	437.5	409.6	378.6	341.3	307.2	266.9	204.8
-67.5°	512.0	481.0	449.9	418.9	394.1	372.4	341.3	313.4	285.5	242.0	180.0
-70°	453.0	428.2	400.3	375.5	356.9	332.0	310.3	285.5	260.7	211.0	152.0
-72.5°	397.2	372.4	350.6	332.0	316.5	294.8	276.2	257.6	223.4	176.9	127.2
-75°	332.0	316.5	304.1	288.6	273.1	257.6	242.0	220.3	186.2	142.7	99.3
-77.5°	273.1	263.8	254.5	242.0	229.6	217.2	198.6	176.9	148.9	111.7	80.7
-80°	223.4	214.1	207.9	195.5	186.2	173.8	155.2	136.5	108.6	86.9	65.2
-82.5°	170.7	164.5	158.3	152.0	142.7	130.3	111.7	96.2	80.7	65.2	49.6
-85°	121.0	117.9	111.7	105.5	96.2	86.9	74.5	65.2	55.9	43.4	34.1
-87.5°	62.1	59.0	55.9	52.8	49.6	43.4	37.2	31.0	27.9	21.7	15.5
-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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 CATALOG NUMBER: IFLD-L-SA8A-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	12.4	9.3	3.1	0.0
85°	24.8	15.5	6.2	0.0
82.5°	37.2	24.8	9.3	0.0
80°	49.6	31.0	15.5	0.0
77.5°	62.1	37.2	18.6	0.0
75°	74.5	46.5	21.7	0.0
72.5°	83.8	52.8	24.8	0.0
70°	99.3	62.1	27.9	0.0
67.5°	124.1	68.3	31.0	0.0
65°	145.8	74.5	34.1	0.0
62.5°	170.7	80.7	37.2	0.0
60°	192.4	86.9	40.3	0.0
57.5°	214.1	102.4	43.4	0.0
55°	232.7	114.8	46.5	0.0
52.5°	254.5	127.2	49.6	0.0
50°	273.1	139.6	52.8	0.0
47.5°	288.6	152.0	52.8	0.0
45°	301.0	161.4	55.9	0.0
42.5°	310.3	170.7	59.0	0.0
40°	319.6	180.0	62.1	0.0
37.5°	328.9	189.3	62.1	0.0
35°	338.2	198.6	65.2	0.0
32.5°	347.5	207.9	65.2	0.0
30°	353.7	214.1	68.3	0.0
27.5°	363.1	220.3	68.3	0.0
25°	366.2	226.5	71.4	0.0
22.5°	372.4	229.6	71.4	0.0
20°	378.6	235.8	71.4	0.0
17.5°	381.7	238.9	74.5	0.0
15°	381.7	242.0	77.6	0.0
12.5°	384.8	245.1	77.6	0.0
10°	384.8	251.3	74.5	0.0
7.5°	391.0	248.2	74.5	0.0
5°	387.9	248.2	74.5	0.0
2.5°	384.8	245.1	74.5	0.0
0°	381.7	245.1	74.5	0.0
-2.5°	381.7	245.1	74.5	0.0
-5°	381.7	245.1	74.5	0.0
-7.5°	378.6	248.2	74.5	0.0
-10°	372.4	248.2	74.5	0.0
-12.5°	369.3	238.9	74.5	0.0
-15°	366.2	235.8	74.5	0.0
-17.5°	360.0	232.7	71.4	0.0
-20°	353.7	229.6	71.4	0.0



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 CATALOG NUMBER: IFLD-L-SA8A-727-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	347.5	223.4	71.4	0.0
-25°	341.3	217.2	68.3	0.0
-27.5°	335.1	211.0	68.3	0.0
-30°	325.8	204.8	65.2	0.0
-32.5°	316.5	198.6	65.2	0.0
-35°	310.3	189.3	62.1	0.0
-37.5°	301.0	180.0	62.1	0.0
-40°	291.7	170.7	59.0	0.0
-42.5°	282.4	161.4	55.9	0.0
-45°	270.0	152.0	55.9	0.0
-47.5°	260.7	142.7	52.8	0.0
-50°	245.1	130.3	49.6	0.0
-52.5°	226.5	117.9	46.5	0.0
-55°	207.9	108.6	43.4	0.0
-57.5°	189.3	96.2	43.4	0.0
-60°	170.7	83.8	40.3	0.0
-62.5°	152.0	77.6	37.2	0.0
-65°	133.4	71.4	34.1	0.0
-67.5°	111.7	62.1	31.0	0.0
-70°	93.1	55.9	27.9	0.0
-72.5°	80.7	49.6	24.8	0.0
-75°	68.3	43.4	21.7	0.0
-77.5°	59.0	37.2	18.6	0.0
-80°	46.5	27.9	12.4	0.0
-82.5°	34.1	21.7	9.3	0.0
-85°	21.7	15.5	6.2	0.0
-87.5°	12.4	6.2	3.1	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)