Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P956747

Luminaire Tested: **GALN-SB9B-760-U-SLL**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P956747
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB9B-760-U-SLL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54069 lumens
Efficiency:	N/A
Efficacy:	164.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5
Input Watts (W):	329.5
Input Voltage (V):	NR
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:	24 FT

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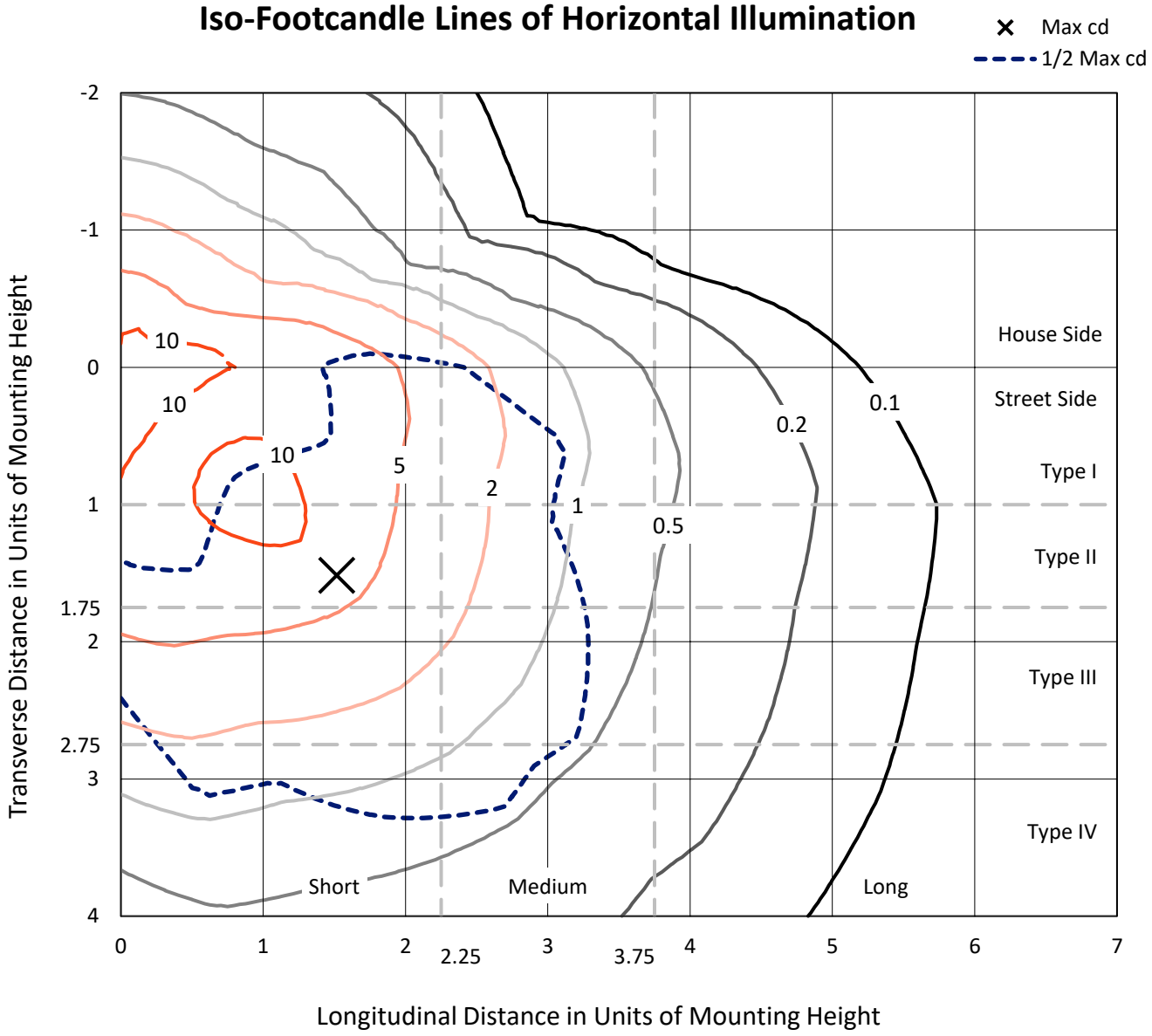
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
Type IV - Short - N/A

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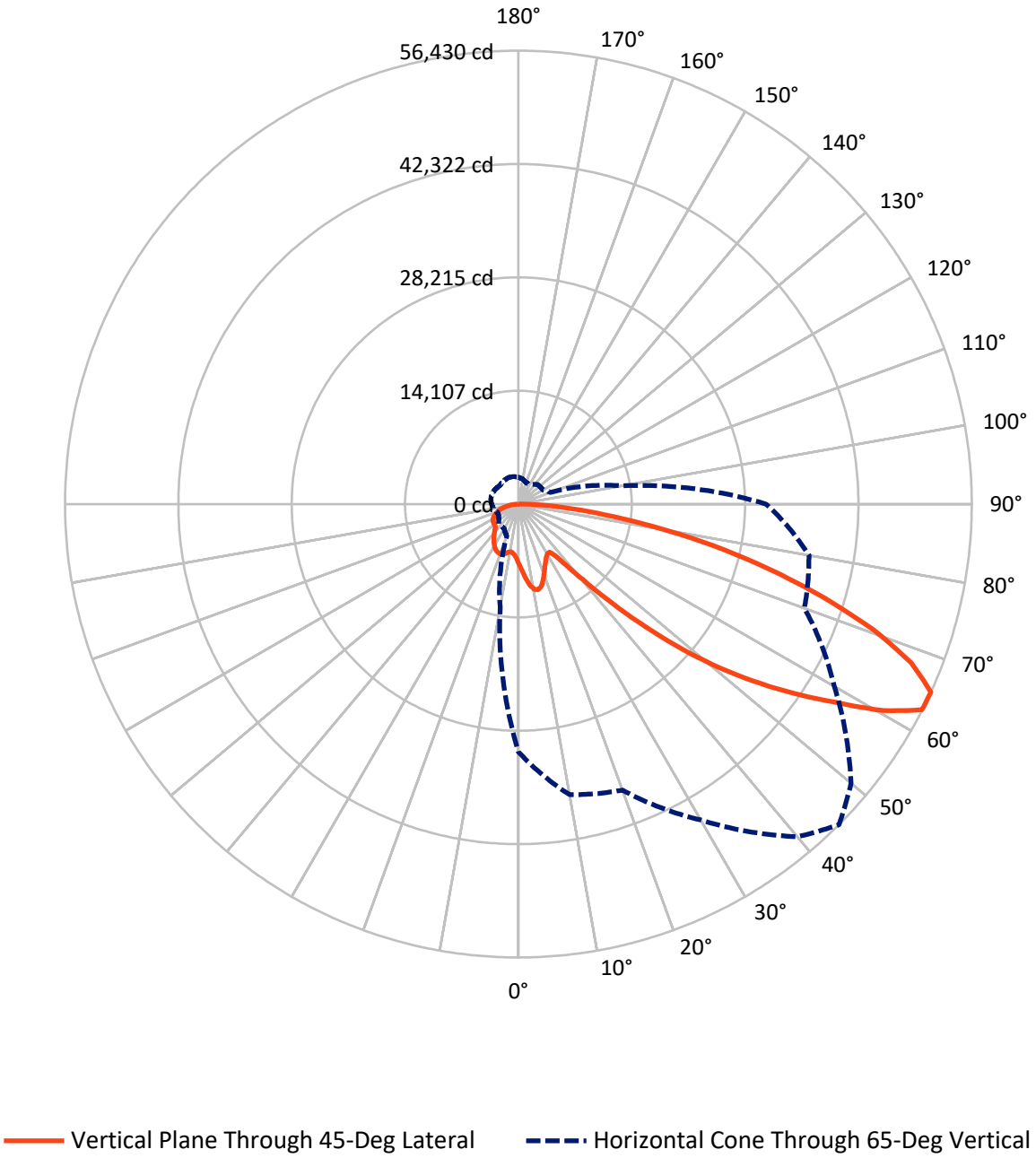
Luminous Intensity Polar Plot



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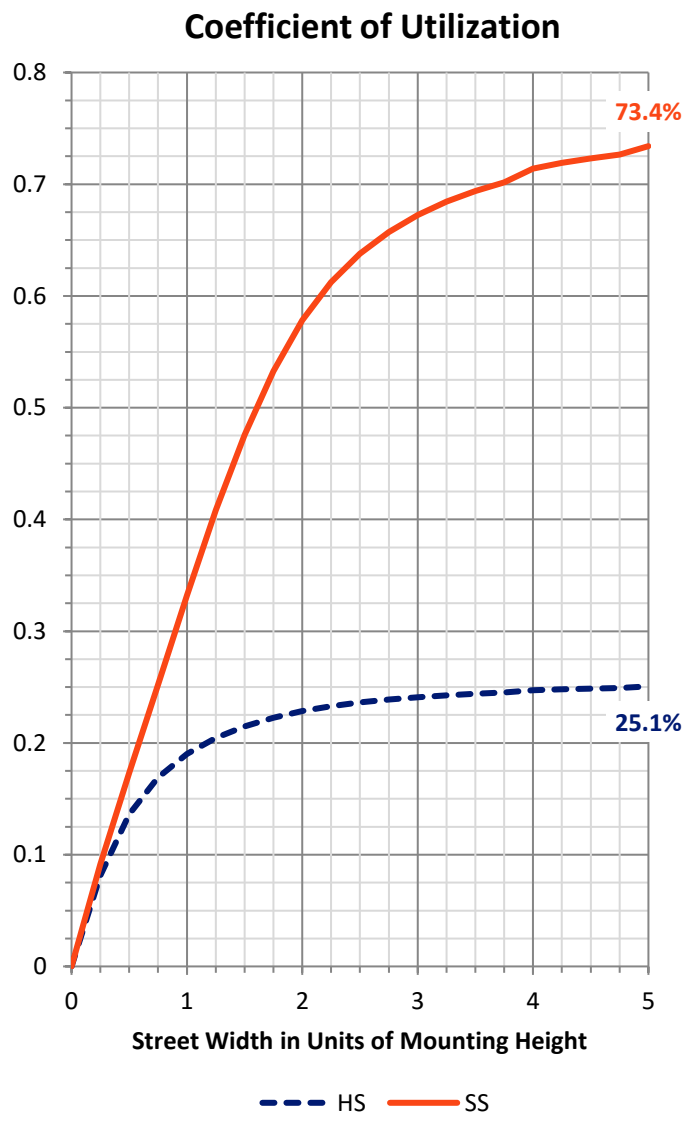
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13741.6	0.0	13741.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	40327.4	0.0	40327.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	54069.0	0.0	54069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.5	1.4
10°-20°	2315.3	4.3
20°-30°	3576.3	6.6
30°-40°	4532.1	8.4
40°-50°	6835.6	12.6
50°-60°	11043.9	20.4
60°-70°	13767.9	25.5
70°-80°	9028.3	16.7
80°-90°	2232.0	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	54069.0	100.0
0°-180°	54069.0	100.0



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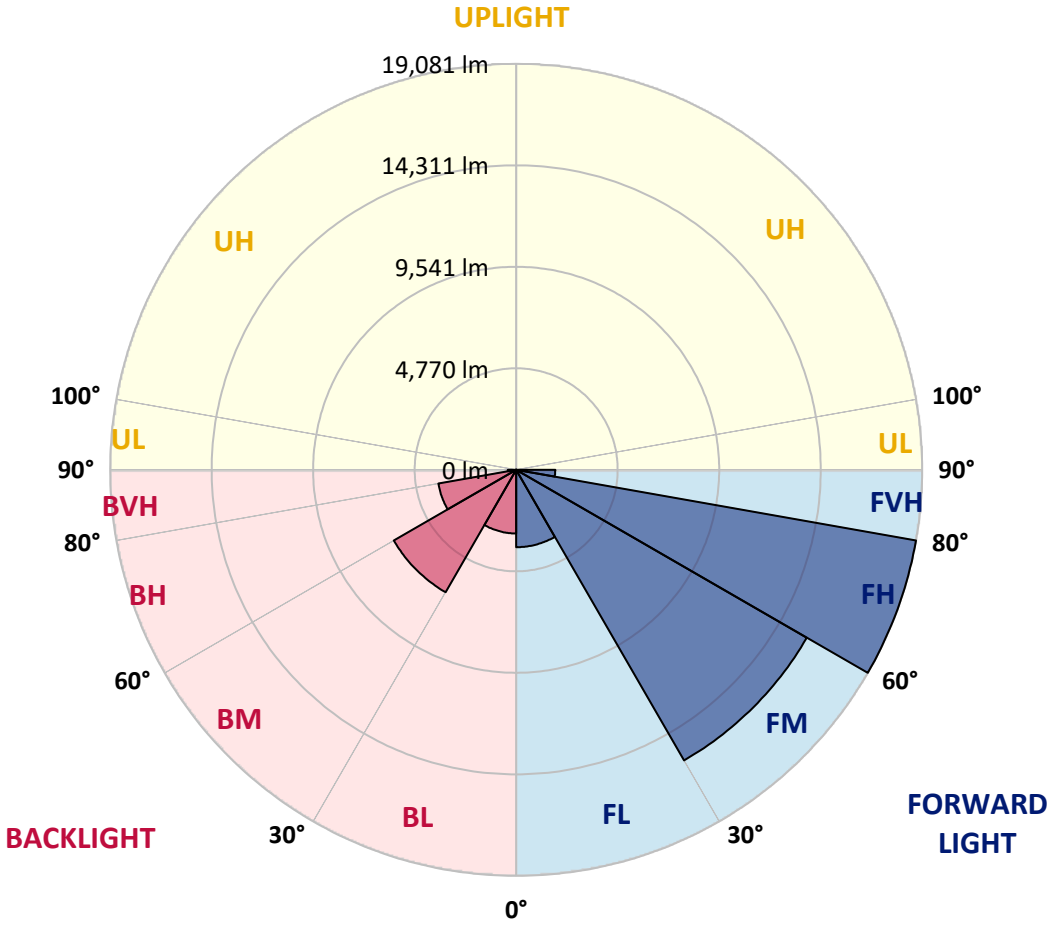
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3636.8	6.7			
FM	(30°-60°)	15770.8	29.2			
FH	(60°-80°)	19081.2	35.3			G5
FVH	(80°-90°)	1838.7	3.4			G5
BL	(0°-30°)	2992.4	5.5	B4/5000		
BM	(30°-60°)	6640.8	12.3	B4/8500		
BH	(60°-80°)	3715.1	6.9	B4/5000		G4/5000
BVH	(80°-90°)	393.3	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	*7435.0*
2.5°	7995.6	8025.8	8056.3	8099.4	8142.5	8168.2	8193.9	8206.7	8219.5	*8213.8*
5°	8597.6	8703.4	8809.5	8914.5	9019.8	9076.9	9133.9	9168.4	9203.3	*9229.5*
7.5°	9202.4	9374.7	9546.8	9701.7	9856.6	9949.9	10043.2	10093.7	10143.9	*10168.1*
10°	9666.0	9869.7	10073.4	10255.2	10436.9	10547.0	10656.6	10705.6	10754.4	*10773.0*
12.5°	9949.9	10170.7	10391.2	10555.6	10719.3	10799.2	10879.1	10905.9	10932.7	*10935.6*
15°	10122.5	10313.1	10503.4	10606.4	10709.6	10712.5	10715.3	10686.8	10658.3	*10624.6*
17.5°	10219.5	10348.2	10476.8	10478.8	10480.5	10365.0	10249.5	10143.6	10037.5	*9962.7*
20°	10326.5	10371.3	10416.4	10280.8	10145.3	9890.3	9635.2	9449.5	9263.7	*9149.6*
22.5°	10450.6	10391.8	10333.0	10052.3	9771.6	9396.4	9021.2	8789.0	8556.8	*8430.7*
25°	10610.4	10424.9	10239.5	9813.2	9387.0	8931.4	8475.7	8231.5	7987.9	*7868.6*
27.5°	10827.2	10495.7	10163.9	9599.2	9034.9	8529.9	8025.0	7784.7	7544.8	*7432.1*
30°	11119.6	10625.2	10131.1	9436.1	8741.1	8215.0	7688.9	7466.1	7243.2	*7138.2*
32.5°	11464.8	10787.8	10111.1	9324.8	8538.5	8044.1	7549.6	7374.8	7199.6	*7124.0*
35°	11884.2	11055.7	10227.5	9408.1	8589.0	8245.5	7902.3	7861.5	7820.7	*7814.4*
37.5°	12590.3	11615.8	10641.2	9896.5	9151.9	9129.6	9107.4	9294.0	9480.6	*9577.6*
40°	13657.4	12597.5	11537.6	10983.8	10430.0	10820.9	11211.8	11665.4	12119.0	*12345.0*
42.5°	15072.5	14020.8	12969.2	12650.3	12331.3	13183.8	14036.3	14861.3	15686.4	*16170.9*
45°	16819.9	15875.3	14930.4	14789.7	14648.8	16014.5	17380.6	18736.3	20092.3	*20915.4*
47.5°	19005.3	18086.4	17167.2	17138.6	17110.1	19080.4	21050.1	23034.9	25019.5	*26185.0*
50°	21869.8	20734.6	19599.6	19604.5	19609.3	22148.5	24687.7	27307.6	29927.5	*31511.5*
52.5°	25157.9	23783.3	22409.0	22270.1	22130.8	25163.9	28196.9	31438.5	34679.8	*36578.5*
55°	28658.5	27300.5	25942.5	25400.7	24858.9	28234.6	31610.0	35474.4	39338.8	*41596.9*
57.5°	31842.5	31103.0	30363.2	29276.5	28190.1	31598.6	35007.0	39384.1	43760.9	*46561.2*
60°	33766.8	34915.5	36064.4	34714.9	33365.4	36591.0	39816.7	44503.0	49189.4	*52215.9*
62.5°	32789.7	35928.3	39066.9	38914.8	38762.5	41717.3	44672.5	49131.2	53589.6	*56387.0*
65°	*30833.9*	*33779.7*	*36725.4*	*37308.3*	*37890.9*	*41646.0*	*45401.4*	*49724.9*	*54048.1*	*56429.8*
67.5°	28213.5	31015.1	33816.8	34090.1	34363.1	38275.7	42188.1	46530.1	50872.1	*52738.0*
70°	25065.2	28112.5	31160.0	31282.2	31404.5	34903.5	38402.1	42138.7	45875.0	*46912.1*
72.5°	21313.4	24810.4	28307.6	28395.5	28483.1	31220.5	33958.0	36756.5	39554.7	*39659.7*
75°	16567.4	20186.8	23806.1	24131.1	24456.0	26585.8	28715.6	30685.6	32655.6	*32127.8*
77.5°	11837.2	15215.7	18594.5	19059.6	19524.6	21143.7	22762.8	24159.9	25557.3	*24650.0*
80°	7747.4	10589.8	13432.0	14010.0	14588.0	15810.8	17033.1	17766.9	18500.4	*17041.0*
82.5°	4503.5	6446.7	8390.1	9035.8	9681.7	10523.3	11365.0	11671.1	11977.0	*10830.0*
85°	1981.4	3012.8	4044.1	4593.4	5142.6	5834.1	6525.4	6699.2	6872.9	*5954.2*
87.5°	613.4	960.0	1306.7	1613.1	1919.5	2265.3	2611.1	2625.9	2640.5	*2216.8*
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
8219.5	2.5°	8206.7	8193.9	8168.2	8142.5	8099.4	8056.3	8025.8	7995.6	7934.2	7872.9
9203.3	5°	9168.4	9133.9	9076.9	9019.8	8914.5	8809.5	8703.4	8597.6	8462.0	8326.5
10143.9	7.5°	10093.7	10043.2	9949.9	9856.6	9701.7	9546.8	9374.7	9202.4	8978.7	8755.3
10754.4	10°	10705.6	10656.6	10547.0	10436.9	10255.2	10073.4	9869.7	9666.0	9383.3	9100.5
10932.7	12.5°	10905.9	10879.1	10799.2	10719.3	10555.6	10391.2	10170.7	9949.9	9639.2	9328.8
10658.3	15°	10686.8	10715.3	10712.5	10709.6	10606.4	10503.4	10313.1	10122.5	9798.7	9474.9
10037.5	17.5°	10143.6	10249.5	10365.0	10480.5	10478.8	10476.8	10348.2	10219.5	9891.1	9562.7
9263.7	20°	9449.5	9635.2	9890.3	10145.3	10280.8	10416.4	10371.3	10326.5	9985.3	9643.8
8556.8	22.5°	8789.0	9021.2	9396.4	9771.6	10052.3	10333.0	10391.8	10450.6	10102.0	9753.0
7987.9	25°	8231.5	8475.7	8931.4	9387.0	9813.2	10239.5	10424.9	10610.4	10268.6	9927.1
7544.8	27.5°	7784.7	8025.0	8529.9	9034.9	9599.2	10163.9	10495.7	10827.2	10501.4	10175.3
7243.2	30°	7466.1	7688.9	8215.0	8741.1	9436.1	10131.1	10625.2	11119.6	10804.6	10490.0
7199.6	32.5°	7374.8	7549.6	8044.1	8538.5	9324.8	10111.1	10787.8	11464.8	11153.0	10841.5
7820.7	35°	7861.5	7902.3	8245.5	8589.0	9408.1	10227.5	11055.7	11884.2	11585.8	11287.1
9480.6	37.5°	9294.0	9107.4	9129.6	9151.9	9896.5	10641.2	11615.8	12590.3	12209.8	11829.2
12119.0	40°	11665.4	11211.8	10820.9	10430.0	10983.8	11537.6	12597.5	13657.4	13102.7	12548.1
15686.4	42.5°	14861.3	14036.3	13183.8	12331.3	12650.3	12969.2	14020.8	15072.5	14271.9	13471.4
20092.3	45°	18736.3	17380.6	16014.5	14648.8	14789.7	14930.4	15875.3	16819.9	15740.1	14660.2
25019.5	47.5°	23034.9	21050.1	19080.4	17110.1	17138.6	17167.2	18086.4	19005.3	17485.5	15965.5
29927.5	50°	27307.6	24687.7	22148.5	19609.3	19604.5	19599.6	20734.6	21869.8	19578.5	17287.0
34679.8	52.5°	31438.5	28196.9	25163.9	22130.8	22270.1	22409.0	23783.3	25157.9	21777.1	18396.2
39338.8	55°	35474.4	31610.0	28234.6	24858.9	25400.7	25942.5	27300.5	28658.5	23726.2	18794.2
43760.9	57.5°	39384.1	35007.0	31598.6	28190.1	29276.5	30363.2	31103.0	31842.5	25107.7	18372.8
49189.4	60°	44503.0	39816.7	36591.0	33365.4	34714.9	36064.4	34915.5	33766.8	25452.9	17138.6
53589.6	62.5°	49131.2	44672.5	41717.3	38762.5	38914.8	39066.9	35928.3	32789.7	23999.3	15208.8
54048.1	65°	*49724.9*	*45401.4*	*41646.0*	*37890.9*	*37308.3*	*36725.4*	*33779.7*	*30833.9*	*21942.5*	*13051.1*
50872.1	67.5°	46530.1	42188.1	38275.7	34363.1	34090.1	33816.8	31015.1	28213.5	19494.9	10776.4
45875.0	70°	42138.7	38402.1	34903.5	31404.5	31282.2	31160.0	28112.5	25065.2	16824.2	8583.3
39554.7	72.5°	36756.5	33958.0	31220.5	28483.1	28395.5	28307.6	24810.4	21313.4	13929.0	6544.8
32655.6	75°	30685.6	28715.6	26585.8	24456.0	24131.1	23806.1	20186.8	16567.4	10610.1	4652.7
25557.3	77.5°	24159.9	22762.8	21143.7	19524.6	19059.6	18594.5	15215.7	11837.2	7426.1	3015.1
18500.4	80°	17766.9	17033.1	15810.8	14588.0	14010.0	13432.0	10589.8	7747.4	4784.5	1821.6
11977.0	82.5°	11671.1	11365.0	10523.3	9681.7	9035.8	8390.1	6446.7	4503.5	2769.1	1035.1
6872.9	85°	6699.2	6525.4	5834.1	5142.6	4593.4	4044.1	3012.8	1981.4	1245.6	510.1
2640.5	87.5°	2625.9	2611.1	2265.3	1919.5	1613.1	1306.7	960.0	613.4	408.0	202.6
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
7807.6	2.5°	7742.5	7676.9	7611.3	7548.5	7485.7	7425.0	7357.4	7302.6	7248.1	7198.7
8191.3	5°	8056.3	7920.3	7784.4	7657.5	7530.5	7410.7	7292.3	7189.0	7085.5	6998.7
8548.8	7.5°	8342.2	8141.1	7939.9	7762.8	7585.6	7422.1	7268.9	7131.4	6994.2	6880.0
8827.5	10°	8554.8	8310.5	8066.0	7856.6	7646.6	7444.9	7280.3	7135.4	6990.5	6876.3
9019.5	12.5°	8710.3	8422.1	8133.9	7896.9	7659.8	7447.8	7294.6	7175.9	7057.8	6981.9
9139.3	15°	8803.8	8472.0	8140.2	7865.8	7591.3	7356.5	7233.8	7177.0	7120.6	7130.8
9196.7	17.5°	8830.6	8445.5	8060.3	7730.2	7400.1	7124.0	7048.4	7069.2	7089.7	7214.1
9241.5	20°	8839.2	8372.5	7905.7	7496.6	7087.5	6765.9	6746.0	6843.0	6940.0	7155.9
9302.0	22.5°	8850.6	8282.9	7715.1	7222.4	6729.7	6363.6	6402.7	6546.2	6689.7	6936.2
9411.5	25°	8895.7	8194.4	7493.4	6916.3	6339.4	5964.2	6069.8	6235.3	6400.7	6622.4
9582.7	27.5°	8989.8	8135.4	7280.9	6636.4	5991.9	5650.4	5778.8	5938.5	6098.3	6280.6
9804.4	30°	9118.8	8107.7	7096.0	6402.4	5708.9	5422.2	5522.9	5649.5	5776.8	5928.0
10035.8	32.5°	9230.1	8073.5	6916.3	6200.7	5484.9	5253.8	5298.6	5373.7	5448.7	5569.4
10299.4	35°	9311.7	8009.0	6706.9	6002.5	5298.0	5105.5	5086.9	5107.5	5128.3	5220.4
10594.7	37.5°	9360.2	7898.6	6437.0	5769.1	5101.2	4932.9	4865.0	4842.1	4819.3	4885.5
10969.6	40°	9390.7	7746.5	6102.6	5490.6	4878.7	4726.0	4621.9	4570.2	4518.6	4566.2
11460.0	42.5°	9448.6	7589.6	5731.1	5183.4	4635.6	4494.9	4363.7	4295.2	4226.7	4265.5
12105.3	45°	9550.5	7443.8	5337.4	4857.0	4376.5	4233.9	4106.9	4040.2	3973.7	4006.2
12792.9	47.5°	9620.4	7323.4	5026.4	4598.8	4171.1	3987.1	3877.8	3821.9	3766.0	3796.8
13430.8	50°	9574.7	7192.2	4809.6	4427.3	4045.0	3803.1	3676.1	3626.5	3577.1	3625.0
13845.1	52.5°	9293.7	6970.5	4647.6	4314.3	3981.4	3703.2	3525.8	3476.7	3427.9	3500.1
13753.8	55°	8713.1	6603.0	4492.9	4232.4	3972.0	3713.2	3445.9	3368.3	3291.0	3393.4
13111.3	57.5°	7850.1	6084.9	4319.5	4135.4	3951.4	3723.2	3397.9	3285.0	3172.0	3282.1
11915.6	60°	6692.6	5412.2	4131.7	3987.1	3842.4	3691.8	3352.9	3206.5	3059.9	3156.6
10298.8	62.5°	5388.8	4607.0	3825.3	3729.2	3633.3	3614.8	3300.4	3117.2	2934.3	2995.7
8649.2	65°	*4247.6*	*3882.7*	*3517.8*	*3472.4*	*3427.0*	*3429.3*	*3189.7*	*2995.1*	*2800.2*	*2823.9*
7033.2	67.5°	3290.1	3186.5	3082.7	3108.1	3133.2	3126.9	2992.2	2830.2	2668.1	2660.7
5537.7	70°	2492.1	2521.8	2551.2	2668.7	2786.0	2786.0	2741.7	2626.5	2511.2	2485.5
4233.6	72.5°	1922.4	2011.7	2101.2	2267.9	2434.2	2462.2	2462.7	2383.7	2304.7	2267.0
3072.7	75°	1492.7	1573.7	1654.7	1841.3	2027.9	2156.9	2146.0	2085.3	2024.2	1988.3
2082.1	77.5°	1149.2	1204.3	1259.6	1440.8	1621.9	1834.5	1828.8	1780.0	1731.2	1694.7
1341.5	80°	861.6	884.4	907.3	1060.8	1214.0	1467.9	1467.0	1426.2	1385.1	1354.6
825.1	82.5°	615.7	619.7	624.2	737.2	850.2	1067.0	1079.0	1059.0	1039.1	1017.4
441.1	85°	372.3	370.3	368.0	450.8	533.5	694.7	710.4	689.0	667.6	643.4
182.9	87.5°	163.2	161.2	159.2	192.9	226.8	293.9	313.8	305.3	296.7	292.1
0.0	90°	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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
7149.7	2.5°	7106.6	7063.5	7020.1	6977.0	6943.7	6910.0	6882.9	6855.8	6834.7	6813.6
6912.3	5°	6835.8	6759.4	6690.0	6620.4	6567.1	6513.4	6476.1	6438.7	6412.1	6385.6
6765.9	7.5°	6669.8	6573.3	6488.3	6403.6	6340.0	6276.6	6232.1	6187.6	6157.1	6126.8
6762.2	10°	6658.6	6554.8	6459.2	6363.6	6287.8	6211.6	6161.9	6111.7	6082.9	6054.1
6906.6	12.5°	6825.0	6744.0	6645.0	6546.2	6449.2	6352.2	6288.0	6223.8	6191.6	6159.7
7141.1	15°	7120.0	7098.9	7013.0	6927.1	6789.0	6650.9	6553.4	6455.8	6411.0	6366.5
7338.5	17.5°	7404.7	7470.6	7401.3	7332.2	7149.4	6966.5	6822.7	6678.9	6612.7	6546.2
7372.2	20°	7510.6	7648.9	7617.0	7584.7	7375.6	7166.8	6990.5	6814.4	6729.7	6644.7
7183.3	22.5°	7363.3	7543.4	7562.8	7581.9	7382.2	7182.5	7001.0	6819.3	6730.0	6640.4
6844.4	25°	7021.6	7198.7	7264.9	7330.8	7167.1	7003.6	6842.1	6681.2	6603.6	6526.3
6462.6	27.5°	6604.7	6746.8	6820.4	6894.3	6777.6	6661.2	6536.0	6410.7	6358.8	6306.6
6079.2	30°	6197.0	6315.1	6375.1	6435.0	6346.2	6257.2	6167.6	6077.5	6051.0	6024.1
5690.3	32.5°	5803.3	5916.6	5983.1	6049.8	5968.2	5886.3	5814.7	5743.1	5725.7	5708.3
5312.3	35°	5424.1	5536.3	5616.2	5696.0	5637.8	5579.9	5513.7	5447.8	5421.3	5395.0
4951.4	37.5°	5063.0	5174.8	5273.5	5372.2	5345.4	5318.6	5257.8	5196.8	5148.5	5100.6
4613.9	40°	4721.7	4829.6	4943.1	5057.0	5063.5	5069.8	5018.2	4966.5	4896.3	4826.7
4304.6	42.5°	4406.8	4509.2	4631.9	4754.5	4787.4	4820.2	4776.5	4733.1	4646.1	4559.1
4039.3	45°	4136.3	4233.3	4360.5	4487.8	4534.9	4581.9	4542.6	4503.5	4403.9	4304.6
3827.3	47.5°	3922.3	4017.0	4142.6	4268.1	4322.3	4376.5	4349.1	4321.7	4233.3	4144.9
3673.3	50°	3762.8	3852.1	3964.5	4077.0	4146.6	4216.2	4214.5	4213.3	4142.6	4071.8
3572.0	52.5°	3654.1	3736.0	3840.7	3945.7	4028.2	4110.6	4125.5	4140.3	4082.7	4025.0
3495.5	55°	3584.0	3672.4	3764.3	3855.8	3943.1	4030.7	4051.3	4071.8	4021.6	3971.4
3392.2	57.5°	3496.1	3599.9	3690.7	3781.7	3869.8	3957.7	3978.5	3999.4	3948.6	3897.8
3253.0	60°	3372.3	3491.5	3583.7	3676.1	3764.6	3853.0	3875.8	3898.6	3849.0	3799.6
3057.0	62.5°	3195.9	3335.2	3433.6	3532.0	3613.1	3694.1	3716.1	3738.0	3693.2	3648.4
2847.3	65°	*2996.2*	*3145.4*	*3239.6*	*3333.7*	*3405.1*	*3476.4*	*3498.9*	*3521.2*	*3478.1*	*3435.0*
2653.3	67.5°	2790.8	2928.6	3017.9	3106.9	3168.6	3230.2	3252.2	3273.8	3234.2	3194.8
2459.9	70°	2580.8	2701.8	2778.8	2855.9	2911.5	2967.1	2988.2	3009.4	2977.1	2944.9
2229.6	72.5°	2324.9	2419.9	2489.5	2559.2	2613.6	2668.1	2693.2	2718.4	2691.5	2664.7
1952.0	75°	2022.8	2093.5	2156.6	2219.6	2269.3	2318.9	2345.2	2371.4	2358.3	2345.2
1658.2	77.5°	1715.8	1773.1	1827.4	1881.6	1933.8	1985.7	2010.2	2034.8	2016.5	1997.7
1323.8	80°	1371.7	1419.4	1465.0	1510.7	1550.3	1589.7	1622.2	1654.7	1646.8	1639.1
995.7	82.5°	991.7	987.7	971.7	955.8	1040.2	1124.7	1180.0	1235.4	1231.9	1228.2
619.1	85°	598.6	577.7	533.5	489.3	568.3	647.6	716.1	784.6	778.9	773.2
287.6	87.5°	286.7	285.9	252.2	218.3	251.4	284.7	312.4	340.1	333.2	325.8
0.0	90°	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
6794.2	2.5°	6774.5	6750.2	6774.5	6794.2	6813.6	6834.7	6855.8	6882.9	6910.0	6943.7
6365.4	5°	6345.1	6325.1	6345.1	6365.4	6385.6	6412.1	6438.7	6476.1	6513.4	6567.1
6108.6	7.5°	6090.6	6076.9	6090.6	6108.6	6126.8	6157.1	6187.6	6232.1	6276.6	6340.0
6038.7	10°	6023.3	6017.0	6023.3	6038.7	6054.1	6082.9	6111.7	6161.9	6211.6	6287.8
6146.5	12.5°	6133.4	6131.1	6133.4	6146.5	6159.7	6191.6	6223.8	6288.0	6352.2	6449.2
6349.4	15°	6332.3	6330.8	6332.3	6349.4	6366.5	6411.0	6455.8	6553.4	6650.9	6789.0
6524.6	17.5°	6502.6	6499.2	6502.6	6524.6	6546.2	6612.7	6678.9	6822.7	6966.5	7149.4
6617.6	20°	6590.5	6581.9	6590.5	6617.6	6644.7	6729.7	6814.4	6990.5	7166.8	7375.6
6610.4	22.5°	6580.5	6567.6	6580.5	6610.4	6640.4	6730.0	6819.3	7001.0	7182.5	7382.2
6498.0	25°	6470.1	6453.5	6470.1	6498.0	6526.3	6603.6	6681.2	6842.1	7003.6	7167.1
6293.7	27.5°	6280.9	6276.6	6280.9	6293.7	6306.6	6358.8	6410.7	6536.0	6661.2	6777.6
6024.1	30°	6024.1	6028.4	6024.1	6024.1	6024.1	6051.0	6077.5	6167.6	6257.2	6346.2
5710.6	32.5°	5713.2	5717.4	5713.2	5710.6	5708.3	5725.7	5743.1	5814.7	5886.3	5968.2
5389.3	35°	5383.6	5380.8	5383.6	5389.3	5395.0	5421.3	5447.8	5513.7	5579.9	5637.8
5075.2	37.5°	5049.8	5035.6	5049.8	5075.2	5100.6	5148.5	5196.8	5257.8	5318.6	5345.4
4779.4	40°	4732.6	4704.6	4732.6	4779.4	4826.7	4896.3	4966.5	5018.2	5069.8	5063.5
4490.4	42.5°	4421.6	4376.5	4421.6	4490.4	4559.1	4646.1	4733.1	4776.5	4820.2	4787.4
4223.9	45°	4143.1	4091.2	4143.1	4223.9	4304.6	4403.9	4503.5	4542.6	4581.9	4534.9
4070.1	47.5°	3995.6	3945.7	3995.6	4070.1	4144.9	4233.3	4321.7	4349.1	4376.5	4322.3
4002.8	50°	3933.7	3885.8	3933.7	4002.8	4071.8	4142.6	4213.3	4214.5	4216.2	4146.6
3963.1	52.5°	3901.5	3857.3	3901.5	3963.1	4025.0	4082.7	4140.3	4125.5	4110.6	4028.2
3917.2	55°	3863.0	3823.0	3863.0	3917.2	3971.4	4021.6	4071.8	4051.3	4030.7	3943.1
3844.2	57.5°	3790.2	3748.9	3790.2	3844.2	3897.8	3948.6	3999.4	3978.5	3957.7	3869.8
3744.3	60°	3688.9	3646.2	3688.9	3744.3	3799.6	3849.0	3898.6	3875.8	3853.0	3764.6
3590.2	62.5°	3532.0	3480.7	3532.0	3590.2	3648.4	3693.2	3738.0	3716.1	3694.1	3613.1
3378.5	65°	*3322.3*	*3278.1*	*3322.3*	*3378.5*	*3435.0*	*3478.1*	*3521.2*	*3498.9*	*3476.4*	*3405.1*
3142.3	67.5°	3089.8	3049.9	3089.8	3142.3	3194.8	3234.2	3273.8	3252.2	3230.2	3168.6
2894.7	70°	2844.5	2798.8	2844.5	2894.7	2944.9	2977.1	3009.4	2988.2	2967.1	2911.5
2616.8	72.5°	2569.1	2524.9	2569.1	2616.8	2664.7	2691.5	2718.4	2693.2	2668.1	2613.6
2304.9	75°	2264.7	2222.5	2264.7	2304.9	2345.2	2358.3	2371.4	2345.2	2318.9	2269.3
1957.2	77.5°	1916.7	1883.0	1916.7	1957.2	1997.7	2016.5	2034.8	2010.2	1985.7	1933.8
1584.6	80°	1529.8	1466.4	1529.8	1584.6	1639.1	1646.8	1654.7	1622.2	1589.7	1550.3
1182.3	82.5°	1136.1	1095.6	1136.1	1182.3	1228.2	1231.9	1235.4	1180.0	1124.7	1040.2
737.2	85°	701.3	664.8	701.3	737.2	773.2	778.9	784.6	716.1	647.6	568.3
307.6	87.5°	288.7	271.0	288.7	307.6	325.8	333.2	340.1	312.4	284.7	251.4
0.0	90°	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
6977.0	2.5°	7020.1	7063.5	7106.6	7149.7	7198.7	7248.1	7302.6	7357.4	7425.0	7485.7
6620.4	5°	6690.0	6759.4	6835.8	6912.3	6998.7	7085.5	7189.0	7292.3	7410.7	7530.5
6403.6	7.5°	6488.3	6573.3	6669.8	6765.9	6880.0	6994.2	7131.4	7268.9	7422.1	7585.6
6363.6	10°	6459.2	6554.8	6658.6	6762.2	6876.3	6990.5	7135.4	7280.3	7444.9	7646.6
6546.2	12.5°	6645.0	6744.0	6825.0	6906.6	6981.9	7057.8	7175.9	7294.6	7447.8	7659.8
6927.1	15°	7013.0	7098.9	7120.0	7141.1	7130.8	7120.6	7177.0	7233.8	7356.5	7591.3
7332.2	17.5°	7401.3	7470.6	7404.7	7338.5	7214.1	7089.7	7069.2	7048.4	7124.0	7400.1
7584.7	20°	7617.0	7648.9	7510.6	7372.2	7155.9	6940.0	6843.0	6746.0	6765.9	7087.5
7581.9	22.5°	7562.8	7543.4	7363.3	7183.3	6936.2	6689.7	6546.2	6402.7	6363.6	6729.7
7330.8	25°	7264.9	7198.7	7021.6	6844.4	6622.4	6400.7	6235.3	6069.8	5964.2	6339.4
6894.3	27.5°	6820.4	6746.8	6604.7	6462.6	6280.6	6098.3	5938.5	5778.8	5650.4	5991.9
6435.0	30°	6375.1	6315.1	6197.0	6079.2	5928.0	5776.8	5649.5	5522.9	5422.2	5708.9
6049.8	32.5°	5983.1	5916.6	5803.3	5690.3	5569.4	5448.7	5373.7	5298.6	5253.8	5484.9
5696.0	35°	5616.2	5536.3	5424.1	5312.3	5220.4	5128.3	5107.5	5086.9	5105.5	5298.0
5372.2	37.5°	5273.5	5174.8	5063.0	4951.4	4885.5	4819.3	4842.1	4865.0	4932.9	5101.2
5057.0	40°	4943.1	4829.6	4721.7	4613.9	4566.2	4518.6	4570.2	4621.9	4726.0	4878.7
4754.5	42.5°	4631.9	4509.2	4406.8	4304.6	4265.5	4226.7	4295.2	4363.7	4494.9	4635.6
4487.8	45°	4360.5	4233.3	4136.3	4039.3	4006.2	3973.7	4040.2	4106.9	4233.9	4376.5
4268.1	47.5°	4142.6	4017.0	3922.3	3827.3	3796.8	3766.0	3821.9	3877.8	3987.1	4171.1
4077.0	50°	3964.5	3852.1	3762.8	3673.3	3625.0	3577.1	3626.5	3676.1	3803.1	4045.0
3945.7	52.5°	3840.7	3736.0	3654.1	3572.0	3500.1	3427.9	3476.7	3525.8	3703.2	3981.4
3855.8	55°	3764.3	3672.4	3584.0	3495.5	3393.4	3291.0	3368.3	3445.9	3713.2	3972.0
3781.7	57.5°	3690.7	3599.9	3496.1	3392.2	3282.1	3172.0	3285.0	3397.9	3723.2	3951.4
3676.1	60°	3583.7	3491.5	3372.3	3253.0	3156.6	3059.9	3206.5	3352.9	3691.8	3842.4
3532.0	62.5°	3433.6	3335.2	3195.9	3057.0	2995.7	2934.3	3117.2	3300.4	3614.8	3633.3
3333.7	65°	*3239.6*	*3145.4*	*2996.2*	*2847.3*	*2823.9*	*2800.2*	*2995.1*	*3189.7*	*3429.3*	*3427.0*
3106.9	67.5°	3017.9	2928.6	2790.8	2653.3	2660.7	2668.1	2830.2	2992.2	3126.9	3133.2
2855.9	70°	2778.8	2701.8	2580.8	2459.9	2485.5	2511.2	2626.5	2741.7	2786.0	2786.0
2559.2	72.5°	2489.5	2419.9	2324.9	2229.6	2267.0	2304.7	2383.7	2462.7	2462.2	2434.2
2219.6	75°	2156.6	2093.5	2022.8	1952.0	1988.3	2024.2	2085.3	2146.0	2156.9	2027.9
1881.6	77.5°	1827.4	1773.1	1715.8	1658.2	1694.7	1731.2	1780.0	1828.8	1834.5	1621.9
1510.7	80°	1465.0	1419.4	1371.7	1323.8	1354.6	1385.1	1426.2	1467.0	1467.9	1214.0
955.8	82.5°	971.7	987.7	991.7	995.7	1017.4	1039.1	1059.0	1079.0	1067.0	850.2
489.3	85°	533.5	577.7	598.6	619.1	643.4	667.6	689.0	710.4	694.7	533.5
218.3	87.5°	252.2	285.9	286.7	287.6	292.1	296.7	305.3	313.8	293.9	226.8
0.0	90°	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):

325°		330°	335°	340°	345°	350°	355°	360°
7435.0	0°	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0	7435.0
7548.5	2.5°	7611.3	7676.9	7742.5	7807.6	7872.9	7934.2	7995.6
7657.5	5°	7784.4	7920.3	8056.3	8191.3	8326.5	8462.0	8597.6
7762.8	7.5°	7939.9	8141.1	8342.2	8548.8	8755.3	8978.7	9202.4
7856.6	10°	8066.0	8310.5	8554.8	8827.5	9100.5	9383.3	9666.0
7896.9	12.5°	8133.9	8422.1	8710.3	9019.5	9328.8	9639.2	9949.9
7865.8	15°	8140.2	8472.0	8803.8	9139.3	9474.9	9798.7	10122.5
7730.2	17.5°	8060.3	8445.5	8830.6	9196.7	9562.7	9891.1	10219.5
7496.6	20°	7905.7	8372.5	8839.2	9241.5	9643.8	9985.3	10326.5
7222.4	22.5°	7715.1	8282.9	8850.6	9302.0	9753.0	10102.0	10450.6
6916.3	25°	7493.4	8194.4	8895.7	9411.5	9927.1	10268.6	10610.4
6636.4	27.5°	7280.9	8135.4	8989.8	9582.7	10175.3	10501.4	10827.2
6402.4	30°	7096.0	8107.7	9118.8	9804.4	10490.0	10804.6	11119.6
6200.7	32.5°	6916.3	8073.5	9230.1	10035.8	10841.5	11153.0	11464.8
6002.5	35°	6706.9	8009.0	9311.7	10299.4	11287.1	11585.8	11884.2
5769.1	37.5°	6437.0	7898.6	9360.2	10594.7	11829.2	12209.8	12590.3
5490.6	40°	6102.6	7746.5	9390.7	10969.6	12548.1	13102.7	13657.4
5183.4	42.5°	5731.1	7589.6	9448.6	11460.0	13471.4	14271.9	15072.5
4857.0	45°	5337.4	7443.8	9550.5	12105.3	14660.2	15740.1	16819.9
4598.8	47.5°	5026.4	7323.4	9620.4	12792.9	15965.5	17485.5	19005.3
4427.3	50°	4809.6	7192.2	9574.7	13430.8	17287.0	19578.5	21869.8
4314.3	52.5°	4647.6	6970.5	9293.7	13845.1	18396.2	21777.1	25157.9
4232.4	55°	4492.9	6603.0	8713.1	13753.8	18794.2	23726.2	28658.5
4135.4	57.5°	4319.5	6084.9	7850.1	13111.3	18372.8	25107.7	31842.5
3987.1	60°	4131.7	5412.2	6692.6	11915.6	17138.6	25452.9	33766.8
3729.2	62.5°	3825.3	4607.0	5388.8	10298.8	15208.8	23999.3	32789.7
3472.4	65°	*3517.8*	*3882.7*	*4247.6*	*8649.2*	*13051.1*	*21942.5*	*30833.9*
3108.1	67.5°	3082.7	3186.5	3290.1	7033.2	10776.4	19494.9	28213.5
2668.7	70°	2551.2	2521.8	2492.1	5537.7	8583.3	16824.2	25065.2
2267.9	72.5°	2101.2	2011.7	1922.4	4233.6	6544.8	13929.0	21313.4
1841.3	75°	1654.7	1573.7	1492.7	3072.7	4652.7	10610.1	16567.4
1440.8	77.5°	1259.6	1204.3	1149.2	2082.1	3015.1	7426.1	11837.2
1060.8	80°	907.3	884.4	861.6	1341.5	1821.6	4784.5	7747.4
737.2	82.5°	624.2	619.7	615.7	825.1	1035.1	2769.1	4503.5
450.8	85°	368.0	370.3	372.3	441.1	510.1	1245.6	1981.4
192.9	87.5°	159.2	161.2	163.2	182.9	202.6	408.0	613.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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