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: P953261

Luminaire Tested: **GALN-SB6D-840-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:	P953261
	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-SB6D-840-U-SLL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	58814 lumens
Efficiency:	N/A
Efficacy:	133.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5
Input Watts (W):	440.1
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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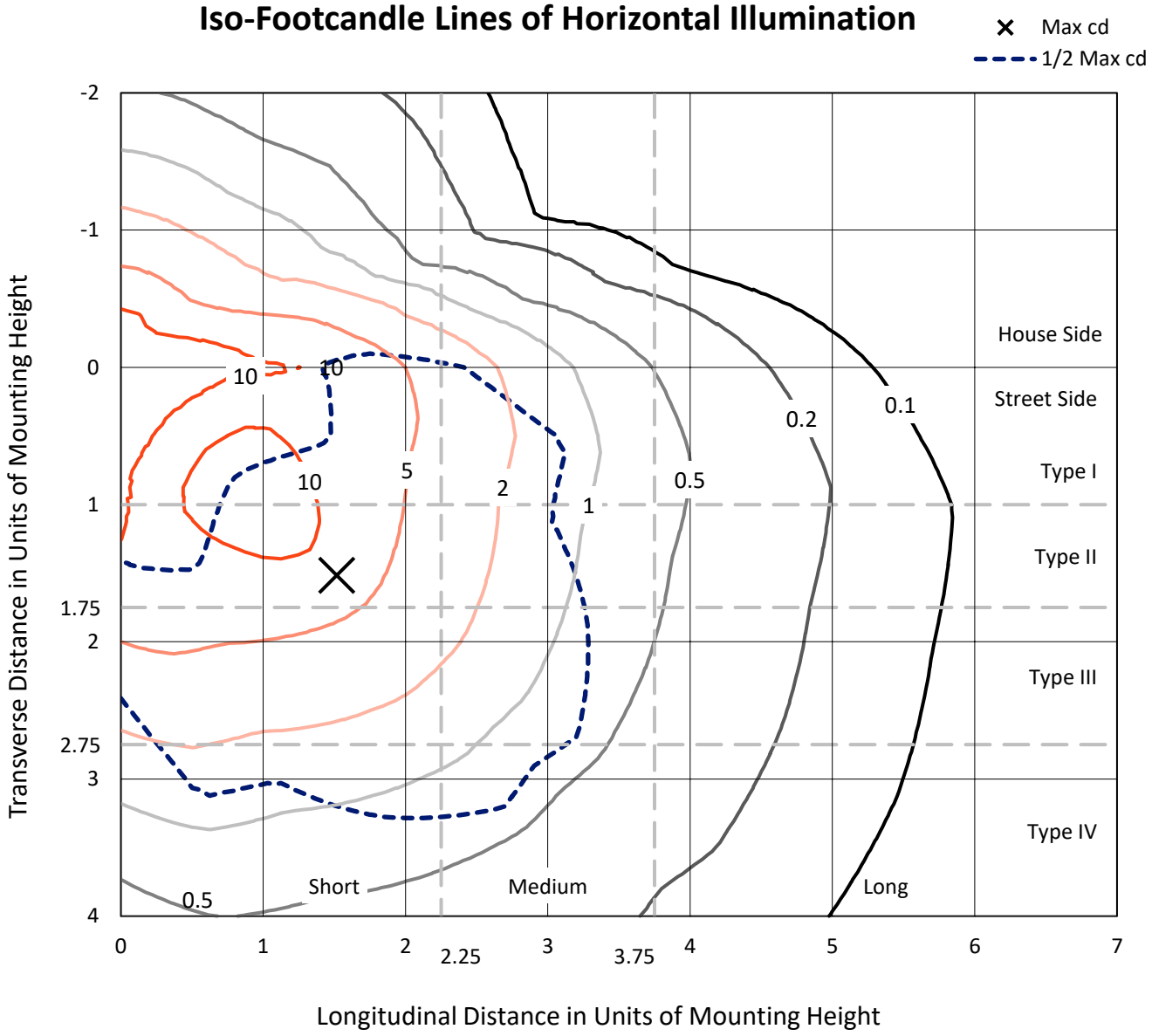
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
Type IV - Short - N/A

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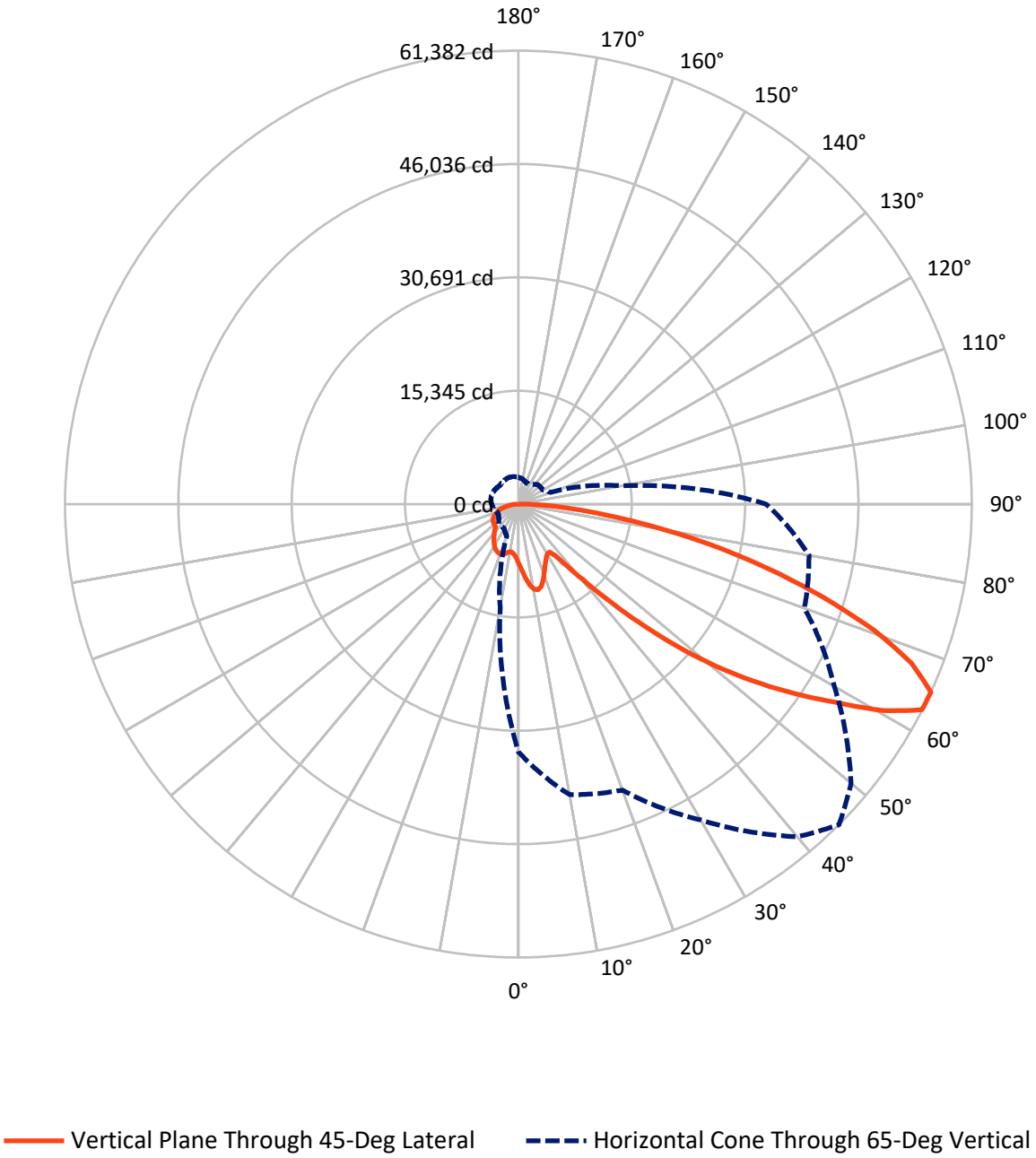
Luminous Intensity Polar Plot



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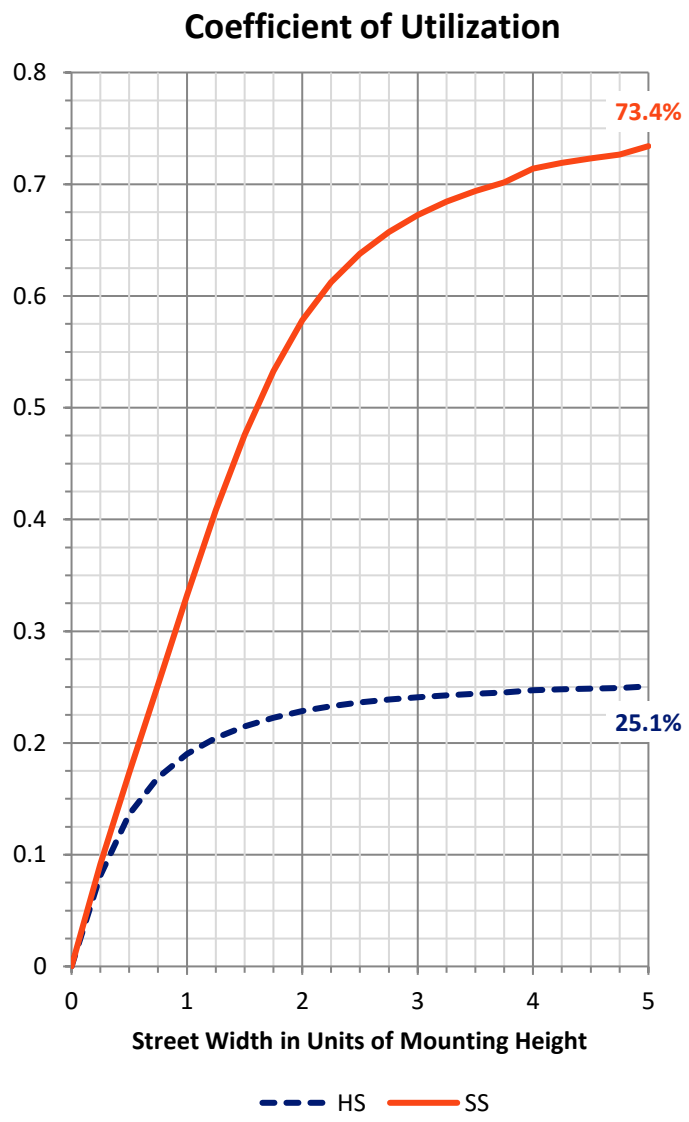
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14947.6	0.0	14947.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	43866.4	0.0	43866.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	58814.0	0.0	58814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.3	1.4
10°-20°	2518.5	4.3
20°-30°	3890.2	6.6
30°-40°	4929.8	8.4
40°-50°	7435.4	12.6
50°-60°	12013.1	20.4
60°-70°	14976.2	25.5
70°-80°	9820.6	16.7
80°-90°	2427.9	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°	58814.0	100.0
0°-180°	58814.0	100.0



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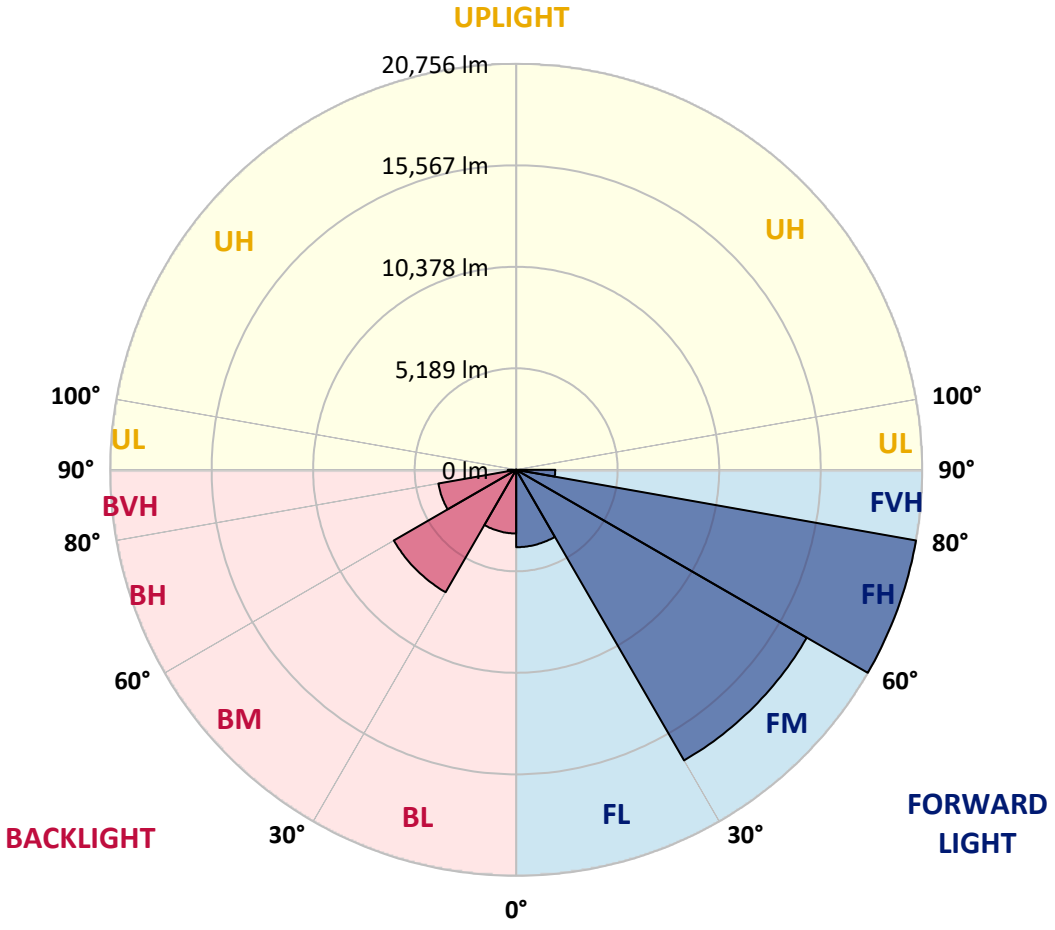
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3955.9	6.7			
FM	(30°-60°)	17154.8	29.2			
FH	(60°-80°)	20755.7	35.3			G5
FVH	(80°-90°)	2000.1	3.4			G5
BL	(0°-30°)	3255.0	5.5	B4/5000		
BM	(30°-60°)	7223.6	12.3	B4/8500		
BH	(60°-80°)	4041.1	6.9	B4/5000		G4/5000
BVH	(80°-90°)	427.8	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°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	*8087.4*
2.5°	8697.2	8730.1	8763.3	8810.2	8857.1	8885.0	8912.9	8926.9	8940.9	*8934.7*
5°	9352.1	9467.2	9582.6	9696.8	9811.4	9873.4	9935.5	9973.1	10010.9	*10039.5*
7.5°	10010.0	10197.4	10384.6	10553.1	10721.6	10823.1	10924.5	10979.5	11034.1	*11060.5*
10°	10514.3	10735.9	10957.4	11155.1	11352.8	11472.6	11591.8	11645.2	11698.2	*11718.4*
12.5°	10823.1	11063.3	11303.2	11481.9	11660.1	11746.9	11833.8	11863.0	11892.2	*11895.3*
15°	11010.8	11218.1	11425.1	11537.2	11649.5	11652.6	11655.7	11624.7	11593.6	*11557.0*
17.5°	11116.3	11256.3	11396.3	11398.4	11400.3	11274.6	11148.9	11033.8	10918.3	*10837.0*
20°	11232.7	11281.4	11330.5	11183.1	11035.7	10758.2	10480.8	10278.7	10076.7	*9952.6*
22.5°	11367.7	11303.8	11239.9	10934.5	10629.1	10221.0	9812.9	9560.3	9307.7	*9170.5*
25°	11541.5	11339.8	11138.1	10674.4	10210.8	9715.2	9219.5	8953.9	8688.9	*8559.1*
27.5°	11777.4	11416.7	11055.8	10441.7	9827.8	9278.5	8729.2	8467.9	8206.9	*8084.3*
30°	12095.5	11557.6	11020.1	10264.1	9508.2	8935.9	8363.6	8121.3	7878.9	*7764.7*
32.5°	12471.0	11734.5	10998.4	10143.1	9287.8	8750.0	8212.2	8022.0	7831.4	*7749.2*
35°	12927.2	12025.9	11125.0	10233.7	9342.8	8969.1	8595.8	8551.4	8507.0	*8500.2*
37.5°	13695.3	12635.1	11575.0	10765.0	9955.1	9930.8	9906.6	10109.6	10312.6	*10418.1*
40°	14855.9	13703.0	12550.1	11947.7	11345.4	11770.5	12195.7	12689.1	13182.6	*13428.4*
42.5°	16395.2	15251.3	14107.4	13760.4	13413.5	14340.8	15268.1	16165.6	17063.1	*17590.0*
45°	18296.0	17268.5	16240.7	16087.7	15934.4	17419.9	18905.8	20380.6	21855.6	*22750.9*
47.5°	20673.2	19673.6	18673.7	18642.7	18611.6	20754.8	22897.4	25056.5	27215.2	*28482.9*
50°	23789.0	22554.2	21319.7	21324.9	21330.2	24092.2	26854.2	29704.1	32553.9	*34276.9*
52.5°	27365.7	25870.5	24375.6	24224.4	24073.0	27372.2	30671.4	34197.5	37723.2	*39788.5*
55°	31173.5	29696.3	28219.1	27629.8	27040.4	30712.4	34384.0	38587.5	42791.1	*45247.4*
57.5°	34636.9	33832.5	33027.8	31845.7	30664.0	34371.6	38079.2	42840.4	47601.3	*50647.3*
60°	36730.2	37979.6	39229.3	37761.4	36293.5	39802.2	43310.9	48408.5	53506.1	*56798.2*
62.5°	35667.2	39081.3	42495.3	42329.9	42164.2	45378.4	48592.9	53442.8	58292.5	*61335.4*
65°	*33539.9*	*36744.1*	*39948.4*	*40582.4*	*41216.1*	*45300.8*	*49385.8*	*54088.7*	*58791.2*	*61381.9*
67.5°	30689.4	33736.9	36784.5	37081.8	37378.8	41634.8	45890.4	50613.5	55336.5	*57366.1*
70°	27264.8	30579.6	33894.6	34027.4	34160.6	37966.5	41772.2	45836.7	49900.9	*51029.0*
72.5°	23183.9	26987.7	30791.8	30887.4	30982.7	33960.4	36938.1	39982.2	43026.0	*43140.2*
75°	18021.4	21958.3	25895.3	26248.8	26602.2	28918.9	31235.6	33378.5	35521.4	*34947.3*
77.5°	12876.0	16551.0	20226.3	20732.2	21238.0	22999.2	24760.4	26280.1	27800.2	*26813.3*
80°	8427.3	11519.2	14610.8	15239.5	15868.2	17198.4	18527.9	19326.0	20123.9	*18536.5*
82.5°	4898.7	7012.4	9126.4	9828.7	10531.4	11446.9	12362.3	12695.3	13028.0	*11780.5*
85°	2155.3	3277.2	4399.1	4996.5	5593.9	6346.1	7098.1	7287.1	7476.1	*6476.8*
87.5°	667.2	1044.3	1421.4	1754.7	2088.0	2464.1	2840.2	2856.4	2872.2	*2411.3*
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8940.9	2.5°	8926.9	8912.9	8885.0	8857.1	8810.2	8763.3	8730.1	8697.2	8630.5	8563.8
10010.9	5°	9973.1	9935.5	9873.4	9811.4	9696.8	9582.6	9467.2	9352.1	9204.7	9057.2
11034.1	7.5°	10979.5	10924.5	10823.1	10721.6	10553.1	10384.6	10197.4	10010.0	9766.7	9523.7
11698.2	10°	11645.2	11591.8	11472.6	11352.8	11155.1	10957.4	10735.9	10514.3	10206.7	9899.2
11892.2	12.5°	11863.0	11833.8	11746.9	11660.1	11481.9	11303.2	11063.3	10823.1	10485.1	10147.5
11593.6	15°	11624.7	11655.7	11652.6	11649.5	11537.2	11425.1	11218.1	11010.8	10658.6	10306.4
10918.3	17.5°	11033.8	11148.9	11274.6	11400.3	11398.4	11396.3	11256.3	11116.3	10759.1	10401.9
10076.7	20°	10278.7	10480.8	10758.2	11035.7	11183.1	11330.5	11281.4	11232.7	10861.6	10490.1
9307.7	22.5°	9560.3	9812.9	10221.0	10629.1	10934.5	11239.9	11303.8	11367.7	10988.5	10608.9
8688.9	25°	8953.9	9219.5	9715.2	10210.8	10674.4	11138.1	11339.8	11541.5	11169.7	10798.2
8206.9	27.5°	8467.9	8729.2	9278.5	9827.8	10441.7	11055.8	11416.7	11777.4	11423.0	11068.2
7878.9	30°	8121.3	8363.6	8935.9	9508.2	10264.1	11020.1	11557.6	12095.5	11752.8	11410.5
7831.4	32.5°	8022.0	8212.2	8750.0	9287.8	10143.1	10998.4	11734.5	12471.0	12131.8	11792.9
8507.0	35°	8551.4	8595.8	8969.1	9342.8	10233.7	11125.0	12025.9	12927.2	12602.6	12277.6
10312.6	37.5°	10109.6	9906.6	9930.8	9955.1	10765.0	11575.0	12635.1	13695.3	13281.3	12867.3
13182.6	40°	12689.1	12195.7	11770.5	11345.4	11947.7	12550.1	13703.0	14855.9	14252.6	13649.3
17063.1	42.5°	16165.6	15268.1	14340.8	13413.5	13760.4	14107.4	15251.3	16395.2	15524.4	14653.6
21855.6	45°	20380.6	18905.8	17419.9	15934.4	16087.7	16240.7	17268.5	18296.0	17121.4	15946.8
27215.2	47.5°	25056.5	22897.4	20754.8	18611.6	18642.7	18673.7	19673.6	20673.2	19020.1	17366.6
32553.9	50°	29704.1	26854.2	24092.2	21330.2	21324.9	21319.7	22554.2	23789.0	21296.7	18804.1
37723.2	52.5°	34197.5	30671.4	27372.2	24073.0	24224.4	24375.6	25870.5	27365.7	23688.2	20010.7
42791.1	55°	38587.5	34384.0	30712.4	27040.4	27629.8	28219.1	29696.3	31173.5	25808.4	20443.6
47601.3	57.5°	42840.4	38079.2	34371.6	30664.0	31845.7	33027.8	33832.5	34636.9	27311.1	19985.2
53506.1	60°	48408.5	43310.9	39802.2	36293.5	37761.4	39229.3	37979.6	36730.2	27686.6	18642.7
58292.5	62.5°	53442.8	48592.9	45378.4	42164.2	42329.9	42495.3	39081.3	35667.2	26105.4	16543.5
58791.2	65°	*54088.7*	*49385.8*	*45300.8*	*41216.1*	*40582.4*	*39948.4*	*36744.1*	*33539.9*	*23868.2*	*14196.5*
55336.5	67.5°	50613.5	45890.4	41634.8	37378.8	37081.8	36784.5	33736.9	30689.4	21205.8	11722.1
49900.9	70°	45836.7	41772.2	37966.5	34160.6	34027.4	33894.6	30579.6	27264.8	18300.7	9336.5
43026.0	72.5°	39982.2	36938.1	33960.4	30982.7	30887.4	30791.8	26987.7	23183.9	15151.4	7119.2
35521.4	75°	33378.5	31235.6	28918.9	26602.2	26248.8	25895.3	21958.3	18021.4	11541.2	5061.0
27800.2	77.5°	26280.1	24760.4	22999.2	21238.0	20732.2	20226.3	16551.0	12876.0	8077.8	3279.7
20123.9	80°	19326.0	18527.9	17198.4	15868.2	15239.5	14610.8	11519.2	8427.3	5204.4	1981.5
13028.0	82.5°	12695.3	12362.3	11446.9	10531.4	9828.7	9126.4	7012.4	4898.7	3012.1	1125.9
7476.1	85°	7287.1	7098.1	6346.1	5593.9	4996.5	4399.1	3277.2	2155.3	1354.9	554.9
2872.2	87.5°	2856.4	2840.2	2464.1	2088.0	1754.7	1421.4	1044.3	667.2	443.8	220.3
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8492.7	2.5°	8422.0	8350.6	8279.2	8210.9	8142.7	8076.6	8003.0	7943.4	7884.2	7830.5
8910.1	5°	8763.3	8615.3	8467.6	8329.5	8191.4	8061.1	7932.3	7819.9	7707.3	7612.9
9299.0	7.5°	9074.3	8855.5	8636.7	8444.0	8251.3	8073.5	7906.8	7757.2	7608.0	7483.8
9602.2	10°	9305.5	9039.9	8773.9	8546.1	8317.7	8098.3	7919.2	7761.6	7603.9	7479.8
9811.1	12.5°	9474.6	9161.2	8847.8	8589.9	8332.0	8101.4	7934.7	7805.6	7677.2	7594.6
9941.4	15°	9576.4	9215.5	8854.6	8556.0	8257.5	8002.1	7868.6	7806.9	7745.4	7756.6
10003.8	17.5°	9605.6	9186.7	8767.7	8408.6	8049.6	7749.2	7666.9	7689.6	7711.9	7847.2
10052.5	20°	9614.9	9107.2	8599.5	8154.5	7709.4	7359.7	7338.0	7443.5	7549.0	7783.9
10118.3	22.5°	9627.3	9009.8	8392.2	7856.2	7320.3	6922.1	6964.6	7120.7	7276.8	7545.0
10237.5	25°	9676.4	8913.6	8151.1	7523.2	6895.7	6487.6	6602.5	6782.5	6962.5	7203.6
10423.7	27.5°	9778.8	8849.3	7919.8	7218.8	6517.7	6146.3	6285.9	6459.7	6633.5	6831.8
10664.8	30°	9919.1	8819.2	7718.7	6964.3	6209.9	5898.0	6007.5	6145.3	6283.7	6448.2
10916.5	32.5°	10040.1	8782.0	7523.2	6744.9	5966.3	5714.9	5763.6	5845.2	5926.9	6058.1
11203.2	35°	10128.8	8711.8	7295.4	6529.2	5763.0	5553.5	5533.3	5555.7	5578.3	5678.6
11524.4	37.5°	10181.6	8591.7	7001.9	6275.4	5548.9	5365.8	5291.9	5267.1	5242.2	5314.2
11932.2	40°	10214.8	8426.3	6638.1	5972.5	5306.8	5140.8	5027.5	4971.3	4915.1	4967.0
12465.7	42.5°	10277.8	8255.6	6234.1	5638.2	5042.4	4889.4	4746.6	4672.2	4597.7	4639.9
13167.7	45°	10388.6	8097.1	5805.8	5283.2	4760.6	4605.4	4467.3	4394.7	4322.4	4357.8
13915.6	47.5°	10464.6	7966.1	5467.6	5002.4	4537.2	4337.0	4218.1	4157.3	4096.5	4130.0
14609.5	50°	10415.0	7823.3	5231.7	4815.8	4400.0	4136.8	3998.7	3944.7	3891.0	3943.2
15060.1	52.5°	10109.3	7582.2	5055.4	4692.9	4330.8	4028.2	3835.2	3781.8	3728.7	3807.2
14960.8	55°	9477.7	7182.5	4887.2	4603.9	4320.5	4039.1	3748.3	3663.9	3579.8	3691.2
14261.9	57.5°	8539.0	6618.9	4698.5	4498.4	4298.2	4049.9	3696.1	3573.2	3450.3	3570.1
12961.3	60°	7279.9	5887.1	4494.3	4337.0	4179.6	4015.8	3647.1	3487.9	3328.4	3433.6
11202.6	62.5°	5861.7	5011.4	4161.0	4056.4	3952.2	3932.0	3590.0	3390.8	3191.8	3258.6
9408.2	65°	*4620.3*	*4223.4*	*3826.5*	*3777.1*	*3727.8*	*3730.3*	*3469.6*	*3257.9*	*3046.0*	*3071.7*
7650.5	67.5°	3578.8	3466.2	3353.2	3380.8	3408.1	3401.3	3254.8	3078.6	2902.3	2894.2
6023.7	70°	2710.8	2743.1	2775.1	2902.9	3030.5	3030.5	2982.4	2857.0	2731.6	2703.7
4605.1	72.5°	2091.1	2188.2	2285.6	2466.9	2647.8	2678.2	2678.8	2592.9	2506.9	2466.0
3342.3	75°	1623.7	1711.8	1800.0	2002.9	2205.9	2346.2	2334.4	2268.3	2201.9	2162.8
2264.9	77.5°	1250.0	1309.9	1370.1	1567.2	1764.3	1995.5	1989.3	1936.2	1883.1	1843.4
1459.2	80°	937.2	962.1	986.9	1153.8	1320.5	1596.7	1595.8	1551.4	1506.7	1473.5
897.5	82.5°	669.7	674.1	679.0	801.9	924.8	1160.7	1173.7	1152.0	1130.3	1106.7
479.8	85°	405.0	402.8	400.3	490.3	580.3	755.7	772.7	749.5	726.2	699.8
198.9	87.5°	177.5	175.3	173.2	209.8	246.7	319.6	341.4	332.1	322.8	317.8
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7777.1	2.5°	7730.2	7683.4	7636.2	7589.3	7553.0	7516.4	7486.9	7457.4	7434.5	7411.5
7518.9	5°	7435.7	7352.5	7277.1	7201.4	7143.4	7085.0	7044.4	7003.7	6974.9	6946.0
7359.7	7.5°	7255.1	7150.2	7057.7	6965.6	6896.4	6827.5	6779.0	6730.6	6697.4	6664.5
7355.7	10°	7243.0	7130.0	7026.1	6922.1	6839.6	6756.7	6702.7	6648.1	6616.7	6585.4
7512.7	12.5°	7423.9	7335.8	7228.1	7120.7	7015.2	6909.7	6839.9	6770.0	6735.0	6700.2
7767.8	15°	7744.8	7721.9	7628.4	7535.0	7384.8	7234.6	7128.5	7022.3	6973.6	6925.2
7982.5	17.5°	8054.5	8126.2	8050.8	7975.7	7776.8	7577.9	7421.4	7265.0	7193.0	7120.7
8019.2	20°	8169.7	8320.2	8285.4	8250.4	8022.9	7795.7	7603.9	7412.4	7320.3	7227.8
7813.7	22.5°	8009.5	8205.4	8226.5	8247.3	8030.0	7812.8	7615.4	7417.7	7320.6	7223.1
7445.0	25°	7637.8	7830.5	7902.5	7974.2	7796.0	7618.2	7442.5	7267.5	7183.1	7099.0
7029.8	27.5°	7184.3	7338.9	7419.0	7499.3	7372.4	7245.8	7109.6	6973.3	6916.8	6860.0
6612.7	30°	6740.9	6869.4	6934.5	6999.7	6903.2	6806.4	6708.9	6610.8	6582.0	6552.8
6189.7	32.5°	6312.6	6435.8	6508.1	6580.7	6492.0	6402.9	6325.0	6247.1	6228.2	6209.3
5778.5	35°	5900.2	6022.1	6109.0	6195.9	6132.6	6069.6	5997.6	5925.9	5897.1	5868.5
5385.9	37.5°	5507.3	5628.9	5736.3	5843.7	5814.5	5785.3	5719.2	5652.8	5600.4	5548.2
5018.8	40°	5136.1	5253.4	5376.9	5500.8	5507.9	5514.7	5458.6	5402.4	5326.0	5250.3
4682.4	42.5°	4793.5	4904.9	5038.4	5171.8	5207.5	5243.2	5195.7	5148.5	5053.9	4959.2
4393.8	45°	4499.3	4604.8	4743.2	4881.6	4932.8	4984.0	4941.2	4898.7	4790.4	4682.4
4163.2	47.5°	4266.5	4369.6	4506.1	4642.7	4701.6	4760.6	4730.8	4701.0	4604.8	4508.6
3995.6	50°	4093.1	4190.2	4312.5	4434.7	4510.5	4586.2	4584.3	4583.1	4506.1	4429.2
3885.4	52.5°	3974.8	4063.9	4177.8	4292.0	4381.7	4471.4	4487.5	4503.6	4440.9	4378.3
3802.3	55°	3898.5	3994.7	4094.6	4194.2	4289.2	4384.5	4406.8	4429.2	4374.5	4319.9
3689.9	57.5°	3802.9	3915.9	4014.5	4113.5	4209.4	4305.0	4327.7	4350.3	4295.1	4239.8
3538.5	60°	3668.2	3797.9	3898.2	3998.7	4094.9	4191.1	4216.0	4240.8	4186.8	4133.1
3325.3	62.5°	3476.4	3627.9	3734.9	3842.0	3930.1	4018.3	4042.2	4066.1	4017.3	3968.6
3097.2	65°	*3259.2*	*3421.5*	*3523.9*	*3626.3*	*3703.9*	*3781.5*	*3806.0*	*3830.2*	*3783.3*	*3736.5*
2886.2	67.5°	3035.7	3185.6	3282.8	3379.6	3446.6	3513.7	3537.6	3561.1	3518.0	3475.2
2675.7	70°	2807.3	2938.9	3022.7	3106.5	3167.0	3227.5	3250.5	3273.5	3238.4	3203.3
2425.3	72.5°	2529.0	2632.3	2708.0	2783.7	2843.0	2902.3	2929.6	2956.9	2927.7	2898.6
2123.3	75°	2200.3	2277.3	2345.9	2414.4	2468.4	2522.4	2551.0	2579.5	2565.3	2551.0
1803.7	77.5°	1866.4	1928.8	1987.7	2046.7	2103.5	2160.0	2186.6	2213.3	2193.5	2173.0
1440.0	80°	1492.1	1543.9	1593.6	1643.2	1686.4	1729.2	1764.6	1800.0	1791.3	1782.9
1083.1	82.5°	1078.7	1074.4	1057.0	1039.6	1131.5	1223.4	1283.6	1343.8	1340.0	1336.0
673.4	85°	651.1	628.4	580.3	532.2	618.2	704.5	779.0	853.4	847.2	841.0
312.8	87.5°	311.9	311.0	274.3	237.4	273.4	309.7	339.8	369.9	362.5	354.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7390.4	2.5°	7369.0	7342.6	7369.0	7390.4	7411.5	7434.5	7457.4	7486.9	7516.4	7553.0
6924.0	5°	6901.9	6880.2	6901.9	6924.0	6946.0	6974.9	7003.7	7044.4	7085.0	7143.4
6644.7	7.5°	6625.1	6610.2	6625.1	6644.7	6664.5	6697.4	6730.6	6779.0	6827.5	6896.4
6568.6	10°	6551.9	6545.0	6551.9	6568.6	6585.4	6616.7	6648.1	6702.7	6756.7	6839.6
6685.9	12.5°	6671.7	6669.2	6671.7	6685.9	6700.2	6735.0	6770.0	6839.9	6909.7	7015.2
6906.6	15°	6888.0	6886.4	6888.0	6906.6	6925.2	6973.6	7022.3	7128.5	7234.6	7384.8
7097.1	17.5°	7073.2	7069.5	7073.2	7097.1	7120.7	7193.0	7265.0	7421.4	7577.9	7776.8
7198.3	20°	7168.8	7159.5	7168.8	7198.3	7227.8	7320.3	7412.4	7603.9	7795.7	8022.9
7190.6	22.5°	7158.0	7144.0	7158.0	7190.6	7223.1	7320.6	7417.7	7615.4	7812.8	8030.0
7068.3	25°	7037.9	7019.9	7037.9	7068.3	7099.0	7183.1	7267.5	7442.5	7618.2	7796.0
6846.1	27.5°	6832.1	6827.5	6832.1	6846.1	6860.0	6916.8	6973.3	7109.6	7245.8	7372.4
6552.8	30°	6552.8	6557.5	6552.8	6552.8	6552.8	6582.0	6610.8	6708.9	6806.4	6903.2
6211.7	32.5°	6214.5	6219.2	6214.5	6211.7	6209.3	6228.2	6247.1	6325.0	6402.9	6492.0
5862.3	35°	5856.1	5853.0	5856.1	5862.3	5868.5	5897.1	5925.9	5997.6	6069.6	6132.6
5520.6	37.5°	5493.0	5477.5	5493.0	5520.6	5548.2	5600.4	5652.8	5719.2	5785.3	5814.5
5198.8	40°	5147.9	5117.5	5147.9	5198.8	5250.3	5326.0	5402.4	5458.6	5514.7	5507.9
4884.4	42.5°	4809.6	4760.6	4809.6	4884.4	4959.2	5053.9	5148.5	5195.7	5243.2	5207.5
4594.6	45°	4506.7	4450.3	4506.7	4594.6	4682.4	4790.4	4898.7	4941.2	4984.0	4932.8
4427.3	47.5°	4346.3	4292.0	4346.3	4427.3	4508.6	4604.8	4701.0	4730.8	4760.6	4701.6
4354.1	50°	4279.0	4226.8	4279.0	4354.1	4429.2	4506.1	4583.1	4584.3	4586.2	4510.5
4310.9	52.5°	4243.9	4195.8	4243.9	4310.9	4378.3	4440.9	4503.6	4487.5	4471.4	4381.7
4261.0	55°	4202.0	4158.5	4202.0	4261.0	4319.9	4374.5	4429.2	4406.8	4384.5	4289.2
4181.5	57.5°	4122.9	4077.9	4122.9	4181.5	4239.8	4295.1	4350.3	4327.7	4305.0	4209.4
4072.9	60°	4012.7	3966.1	4012.7	4072.9	4133.1	4186.8	4240.8	4216.0	4191.1	4094.9
3905.3	62.5°	3842.0	3786.1	3842.0	3905.3	3968.6	4017.3	4066.1	4042.2	4018.3	3930.1
3675.0	65°	*3613.9*	*3565.8*	*3613.9*	*3675.0*	*3736.5*	*3783.3*	*3830.2*	*3806.0*	*3781.5*	*3703.9*
3418.1	67.5°	3361.0	3317.5	3361.0	3418.1	3475.2	3518.0	3561.1	3537.6	3513.7	3446.6
3148.7	70°	3094.1	3044.4	3094.1	3148.7	3203.3	3238.4	3273.5	3250.5	3227.5	3167.0
2846.4	72.5°	2794.6	2746.5	2794.6	2846.4	2898.6	2927.7	2956.9	2929.6	2902.3	2843.0
2507.2	75°	2463.5	2417.5	2463.5	2507.2	2551.0	2565.3	2579.5	2551.0	2522.4	2468.4
2128.9	77.5°	2084.9	2048.2	2084.9	2128.9	2173.0	2193.5	2213.3	2186.6	2160.0	2103.5
1723.6	80°	1664.0	1595.1	1664.0	1723.6	1782.9	1791.3	1800.0	1764.6	1729.2	1686.4
1286.0	82.5°	1235.8	1191.7	1235.8	1286.0	1336.0	1340.0	1343.8	1283.6	1223.4	1131.5
801.9	85°	762.8	723.1	762.8	801.9	841.0	847.2	853.4	779.0	704.5	618.2
334.5	87.5°	314.1	294.8	314.1	334.5	354.4	362.5	369.9	339.8	309.7	273.4
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7589.3	2.5°	7636.2	7683.4	7730.2	7777.1	7830.5	7884.2	7943.4	8003.0	8076.6	8142.7
7201.4	5°	7277.1	7352.5	7435.7	7518.9	7612.9	7707.3	7819.9	7932.3	8061.1	8191.4
6965.6	7.5°	7057.7	7150.2	7255.1	7359.7	7483.8	7608.0	7757.2	7906.8	8073.5	8251.3
6922.1	10°	7026.1	7130.0	7243.0	7355.7	7479.8	7603.9	7761.6	7919.2	8098.3	8317.7
7120.7	12.5°	7228.1	7335.8	7423.9	7512.7	7594.6	7677.2	7805.6	7934.7	8101.4	8332.0
7535.0	15°	7628.4	7721.9	7744.8	7767.8	7756.6	7745.4	7806.9	7868.6	8002.1	8257.5
7975.7	17.5°	8050.8	8126.2	8054.5	7982.5	7847.2	7711.9	7689.6	7666.9	7749.2	8049.6
8250.4	20°	8285.4	8320.2	8169.7	8019.2	7783.9	7549.0	7443.5	7338.0	7359.7	7709.4
8247.3	22.5°	8226.5	8205.4	8009.5	7813.7	7545.0	7276.8	7120.7	6964.6	6922.1	7320.3
7974.2	25°	7902.5	7830.5	7637.8	7445.0	7203.6	6962.5	6782.5	6602.5	6487.6	6895.7
7499.3	27.5°	7419.0	7338.9	7184.3	7029.8	6831.8	6633.5	6459.7	6285.9	6146.3	6517.7
6999.7	30°	6934.5	6869.4	6740.9	6612.7	6448.2	6283.7	6145.3	6007.5	5898.0	6209.9
6580.7	32.5°	6508.1	6435.8	6312.6	6189.7	6058.1	5926.9	5845.2	5763.6	5714.9	5966.3
6195.9	35°	6109.0	6022.1	5900.2	5778.5	5678.6	5578.3	5555.7	5533.3	5553.5	5763.0
5843.7	37.5°	5736.3	5628.9	5507.3	5385.9	5314.2	5242.2	5267.1	5291.9	5365.8	5548.9
5500.8	40°	5376.9	5253.4	5136.1	5018.8	4967.0	4915.1	4971.3	5027.5	5140.8	5306.8
5171.8	42.5°	5038.4	4904.9	4793.5	4682.4	4639.9	4597.7	4672.2	4746.6	4889.4	5042.4
4881.6	45°	4743.2	4604.8	4499.3	4393.8	4357.8	4322.4	4394.7	4467.3	4605.4	4760.6
4642.7	47.5°	4506.1	4369.6	4266.5	4163.2	4130.0	4096.5	4157.3	4218.1	4337.0	4537.2
4434.7	50°	4312.5	4190.2	4093.1	3995.6	3943.2	3891.0	3944.7	3998.7	4136.8	4400.0
4292.0	52.5°	4177.8	4063.9	3974.8	3885.4	3807.2	3728.7	3781.8	3835.2	4028.2	4330.8
4194.2	55°	4094.6	3994.7	3898.5	3802.3	3691.2	3579.8	3663.9	3748.3	4039.1	4320.5
4113.5	57.5°	4014.5	3915.9	3802.9	3689.9	3570.1	3450.3	3573.2	3696.1	4049.9	4298.2
3998.7	60°	3898.2	3797.9	3668.2	3538.5	3433.6	3328.4	3487.9	3647.1	4015.8	4179.6
3842.0	62.5°	3734.9	3627.9	3476.4	3325.3	3258.6	3191.8	3390.8	3590.0	3932.0	3952.2
3626.3	65°	*3523.9*	*3421.5*	*3259.2*	*3097.2*	*3071.7*	*3046.0*	*3257.9*	*3469.6*	*3730.3*	*3727.8*
3379.6	67.5°	3282.8	3185.6	3035.7	2886.2	2894.2	2902.3	3078.6	3254.8	3401.3	3408.1
3106.5	70°	3022.7	2938.9	2807.3	2675.7	2703.7	2731.6	2857.0	2982.4	3030.5	3030.5
2783.7	72.5°	2708.0	2632.3	2529.0	2425.3	2466.0	2506.9	2592.9	2678.8	2678.2	2647.8
2414.4	75°	2345.9	2277.3	2200.3	2123.3	2162.8	2201.9	2268.3	2334.4	2346.2	2205.9
2046.7	77.5°	1987.7	1928.8	1866.4	1803.7	1843.4	1883.1	1936.2	1989.3	1995.5	1764.3
1643.2	80°	1593.6	1543.9	1492.1	1440.0	1473.5	1506.7	1551.4	1595.8	1596.7	1320.5
1039.6	82.5°	1057.0	1074.4	1078.7	1083.1	1106.7	1130.3	1152.0	1173.7	1160.7	924.8
532.2	85°	580.3	628.4	651.1	673.4	699.8	726.2	749.5	772.7	755.7	580.3
237.4	87.5°	274.3	311.0	311.9	312.8	317.8	322.8	332.1	341.4	319.6	246.7
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8210.9	2.5°	8279.2	8350.6	8422.0	8492.7	8563.8	8630.5	8697.2
8329.5	5°	8467.6	8615.3	8763.3	8910.1	9057.2	9204.7	9352.1
8444.0	7.5°	8636.7	8855.5	9074.3	9299.0	9523.7	9766.7	10010.0
8546.1	10°	8773.9	9039.9	9305.5	9602.2	9899.2	10206.7	10514.3
8589.9	12.5°	8847.8	9161.2	9474.6	9811.1	10147.5	10485.1	10823.1
8556.0	15°	8854.6	9215.5	9576.4	9941.4	10306.4	10658.6	11010.8
8408.6	17.5°	8767.7	9186.7	9605.6	10003.8	10401.9	10759.1	11116.3
8154.5	20°	8599.5	9107.2	9614.9	10052.5	10490.1	10861.6	11232.7
7856.2	22.5°	8392.2	9009.8	9627.3	10118.3	10608.9	10988.5	11367.7
7523.2	25°	8151.1	8913.6	9676.4	10237.5	10798.2	11169.7	11541.5
7218.8	27.5°	7919.8	8849.3	9778.8	10423.7	11068.2	11423.0	11777.4
6964.3	30°	7718.7	8819.2	9919.1	10664.8	11410.5	11752.8	12095.5
6744.9	32.5°	7523.2	8782.0	10040.1	10916.5	11792.9	12131.8	12471.0
6529.2	35°	7295.4	8711.8	10128.8	11203.2	12277.6	12602.6	12927.2
6275.4	37.5°	7001.9	8591.7	10181.6	11524.4	12867.3	13281.3	13695.3
5972.5	40°	6638.1	8426.3	10214.8	11932.2	13649.3	14252.6	14855.9
5638.2	42.5°	6234.1	8255.6	10277.8	12465.7	14653.6	15524.4	16395.2
5283.2	45°	5805.8	8097.1	10388.6	13167.7	15946.8	17121.4	18296.0
5002.4	47.5°	5467.6	7966.1	10464.6	13915.6	17366.6	19020.1	20673.2
4815.8	50°	5231.7	7823.3	10415.0	14609.5	18804.1	21296.7	23789.0
4692.9	52.5°	5055.4	7582.2	10109.3	15060.1	20010.7	23688.2	27365.7
4603.9	55°	4887.2	7182.5	9477.7	14960.8	20443.6	25808.4	31173.5
4498.4	57.5°	4698.5	6618.9	8539.0	14261.9	19985.2	27311.1	34636.9
4337.0	60°	4494.3	5887.1	7279.9	12961.3	18642.7	27686.6	36730.2
4056.4	62.5°	4161.0	5011.4	5861.7	11202.6	16543.5	26105.4	35667.2
3777.1	65°	*3826.5*	*4223.4*	*4620.3*	*9408.2*	*14196.5*	*23868.2*	*33539.9*
3380.8	67.5°	3353.2	3466.2	3578.8	7650.5	11722.1	21205.8	30689.4
2902.9	70°	2775.1	2743.1	2710.8	6023.7	9336.5	18300.7	27264.8
2466.9	72.5°	2285.6	2188.2	2091.1	4605.1	7119.2	15151.4	23183.9
2002.9	75°	1800.0	1711.8	1623.7	3342.3	5061.0	11541.2	18021.4
1567.2	77.5°	1370.1	1309.9	1250.0	2264.9	3279.7	8077.8	12876.0
1153.8	80°	986.9	962.1	937.2	1459.2	1981.5	5204.4	8427.3
801.9	82.5°	679.0	674.1	669.7	897.5	1125.9	3012.1	4898.7
490.3	85°	400.3	402.8	405.0	479.8	554.9	1354.9	2155.3
209.8	87.5°	173.2	175.3	177.5	198.9	220.3	443.8	667.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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