

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: P957043

Luminaire Tested: **GALN-SB9C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957043
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-SB9C-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67969 lumens
Efficiency: N/A
Efficacy: 151.1 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

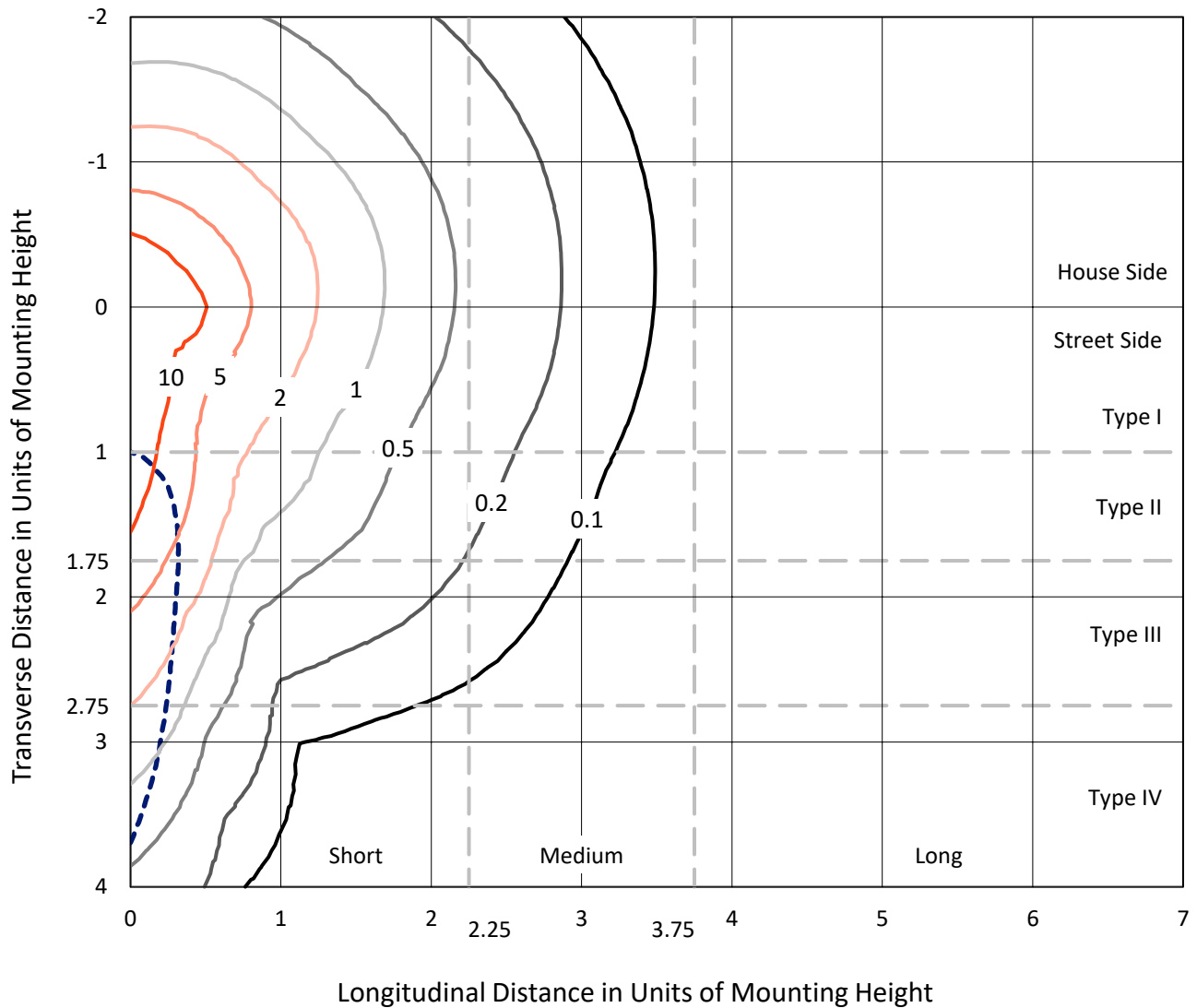
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

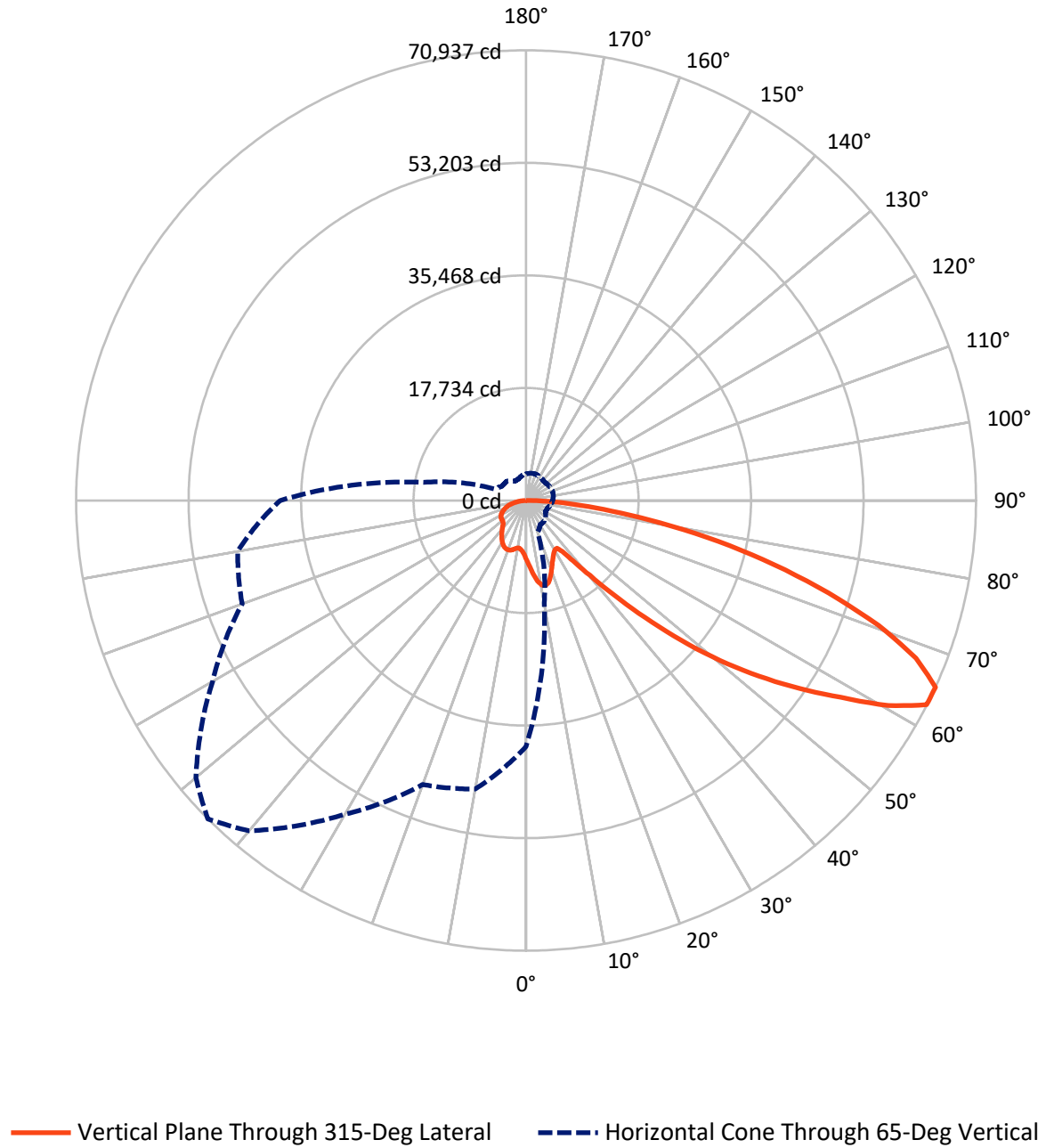
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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	17274.3	0.0	17274.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	50694.7	0.0	50694.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	67969.0	0.0	67969.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.1	1.4
10°-20°	2910.5	4.3
20°-30°	4495.7	6.6
30°-40°	5697.2	8.4
40°-50°	8592.8	12.6
50°-60°	13883.0	20.4
60°-70°	17307.4	25.5
70°-80°	11349.3	16.7
80°-90°	2805.8	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°	67969.0	100.0
0°-180°	67969.0	100.0



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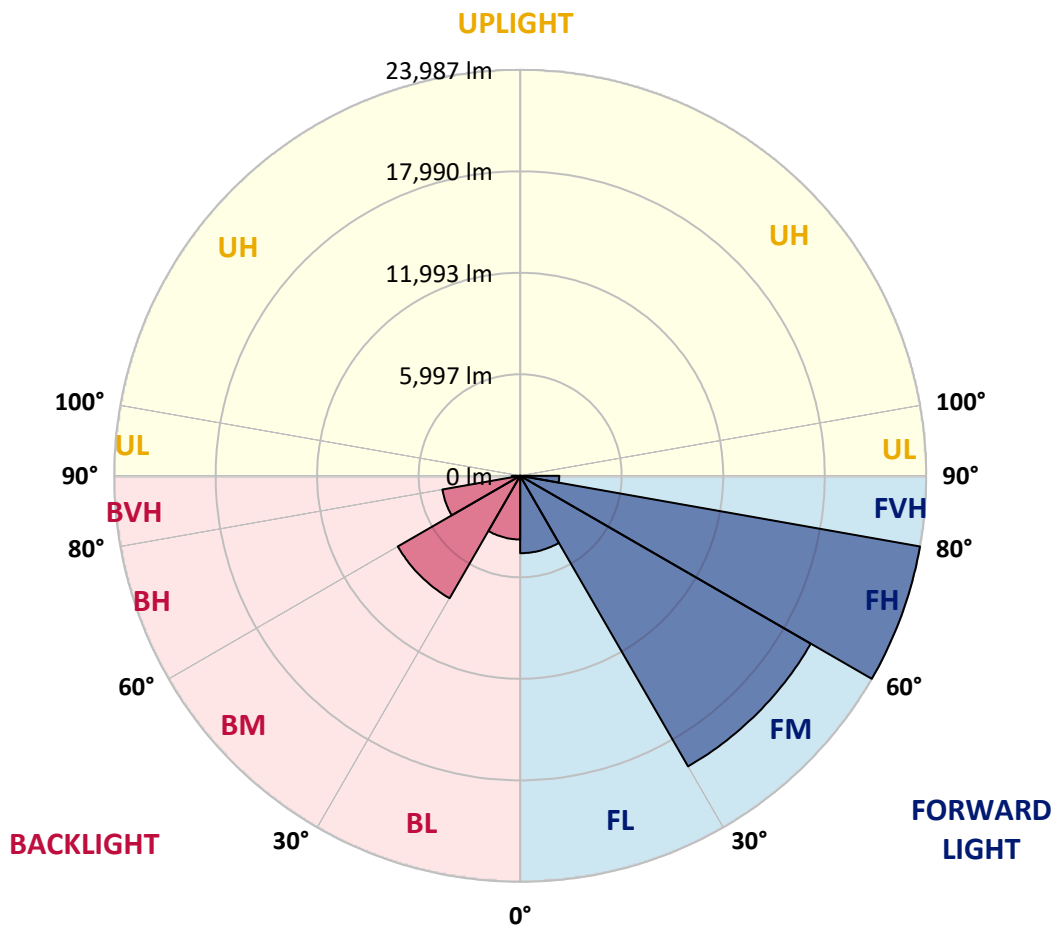
CATALOG NUMBER: GALN-SB9C-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4571.7	6.7			
FM (30°-60°)	19825.1	29.2			
FH (60°-80°)	23986.5	35.3			G5
FVH (80°-90°)	2311.4	3.4			G5
BL (0°-30°)	3761.7	5.5	B4/5000		
BM (30°-60°)	8348.0	12.3	B4/8500		
BH (60°-80°)	4670.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	494.4	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°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
2.5°	10051.1	9974.0	9896.8	9814.7	9732.9	9650.5	9568.0	9489.1	9410.2	9333.8
5°	10807.8	10637.4	10467.1	10297.1	10127.5	9956.4	9785.7	9626.1	9466.5	9315.8
7.5°	11568.1	11287.0	11006.1	10746.5	10486.8	10234.0	9981.1	9758.4	9535.7	9330.2
10°	12150.9	11795.5	11440.1	11096.9	10754.0	10447.0	10139.6	9876.4	9612.4	9358.9
12.5°	12507.8	12117.2	11727.0	11338.2	10949.5	10587.2	10225.0	9927.0	9628.9	9362.5
15°	12724.8	12317.7	11910.6	11488.9	11067.1	10650.0	10232.9	9887.9	9542.9	9247.7
17.5°	12846.7	12433.9	12021.1	11561.0	11100.8	10616.6	10132.5	9717.5	9302.6	8955.4
20°	12981.2	12552.3	12123.0	11617.3	11111.6	10524.8	9938.1	9423.8	8909.5	8505.3
22.5°	13137.2	12698.9	12260.3	11693.3	11125.9	10412.2	9698.5	9079.1	8459.7	7999.6
25°	13338.1	12908.4	12479.1	11831.0	11182.6	10301.0	9419.8	8694.3	7969.1	7497.5
27.5°	13610.6	13201.1	12791.1	12046.2	11300.9	10226.8	9152.7	8342.5	7532.3	7103.0
30°	13978.2	13582.3	13186.7	12324.9	11463.1	10192.0	8920.3	8048.4	7176.5	6816.1
32.5°	14412.2	14020.2	13628.6	12615.7	11602.9	10149.0	8694.3	7794.8	6895.0	6604.5
35°	14939.4	14564.3	14188.8	12947.1	11705.5	10067.9	8431.1	7545.6	6660.1	6418.0
37.5°	15827.1	15348.6	14870.2	13318.3	11766.5	9929.1	8091.8	7252.2	6412.6	6201.0
40°	17168.4	16471.2	15774.0	13789.6	11804.8	9738.0	7671.4	6902.1	6132.9	5941.0
42.5°	18947.3	17940.9	16934.6	14406.1	11877.6	9540.7	7204.5	6515.9	5827.3	5650.5
45°	21144.0	19786.5	18429.0	15217.4	12005.7	9357.4	6709.6	6105.6	5501.6	5322.3
47.5°	23891.2	21980.7	20069.8	16081.7	12093.6	9206.1	6318.6	5781.0	5243.4	5012.1
50°	27492.0	24611.7	21731.1	16883.6	12036.2	9041.1	6046.1	5565.5	5084.9	4780.8
52.5°	31625.4	27375.5	23125.5	17404.4	11682.9	8762.4	5842.3	5423.4	5004.9	4655.2
55°	36026.0	29825.7	23625.8	17289.6	10953.1	8300.5	5648.0	5320.5	4993.1	4667.8
57.5°	40028.5	31562.3	23096.1	16481.9	9868.2	7649.2	5429.9	5198.6	4967.3	4680.3
60°	42447.6	31996.3	21544.6	14978.9	8413.1	6803.5	5193.9	5012.1	4830.2	4640.9
62.5°	41219.2	30169.0	19118.7	12946.4	6774.1	5791.4	4808.7	4687.9	4567.4	4544.0
65°	38760.7	27583.5	16406.3	10872.7	5339.5	4880.8	4422.1	4365.1	4308.1	4310.9
67.5°	35466.5	24506.7	13546.8	8841.3	4135.9	4005.7	3875.2	3907.1	3938.7	3930.8
70°	31508.9	21149.4	10789.9	6961.3	3132.8	3170.1	3207.0	3354.8	3502.2	3502.2
72.5°	26792.7	17509.8	8227.3	5322.0	2416.6	2528.8	2641.4	2850.9	3060.0	3095.1
75°	20826.6	13337.7	5848.8	3862.6	1876.4	1978.3	2080.1	2314.7	2549.3	2711.4
77.5°	14880.2	9335.2	3790.2	2617.4	1444.6	1513.8	1583.4	1811.2	2038.9	2306.1
80°	9739.0	6014.5	2290.0	1686.4	1083.1	1111.8	1140.5	1333.4	1526.0	1845.2
82.5°	5661.2	3481.0	1301.2	1037.2	774.0	779.0	784.7	926.7	1068.8	1341.3
85°	2490.8	1565.8	641.3	554.5	468.0	465.5	462.7	566.7	670.7	873.3
87.5°	771.1	512.9	254.6	229.9	205.1	202.6	200.1	242.4	285.1	369.4
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°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
9248.8	2.5°	9179.9	9111.4	9049.4	8987.7	8933.5	8879.4	8824.9	8770.7	8728.7	8686.4
9167.0	5°	9037.2	8907.0	8798.0	8689.3	8593.2	8497.0	8409.9	8322.4	8255.3	8187.9
9137.6	7.5°	8964.7	8792.2	8648.8	8505.3	8384.4	8263.2	8156.3	8049.8	7969.8	7890.2
9151.9	10°	8969.7	8787.6	8644.1	8500.6	8370.4	8239.9	8119.8	7999.6	7904.2	7808.4
9169.9	12.5°	9020.7	8872.2	8776.8	8682.1	8579.5	8477.7	8353.2	8229.1	8107.2	7985.3
9093.5	15°	9022.1	8951.1	8964.0	8976.9	8950.4	8923.8	8815.9	8707.9	8534.3	8360.8
8860.4	17.5°	8886.5	8912.4	9068.7	9225.1	9308.3	9391.2	9304.0	9217.2	8987.3	8757.4
8480.2	20°	8602.1	8724.1	8995.6	9267.4	9441.4	9615.3	9575.1	9534.6	9271.7	9009.2
8048.7	22.5°	8229.1	8409.5	8719.4	9030.0	9256.3	9482.6	9507.0	9531.0	9280.0	9028.9
7630.2	25°	7838.2	8046.2	8324.9	8603.9	8826.6	9049.4	9132.6	9215.4	9009.6	8804.0
7264.4	27.5°	7465.2	7666.1	7895.2	8124.1	8302.7	8481.3	8573.8	8666.7	8520.0	8373.7
6942.7	30°	7101.9	7261.9	7452.0	7642.0	7790.2	7938.6	8014.0	8089.3	7977.7	7865.8
6660.8	32.5°	6755.1	6849.4	7001.1	7153.2	7295.2	7437.6	7521.2	7605.1	7502.5	7399.6
6394.7	35°	6420.5	6446.7	6562.5	6678.0	6818.6	6959.5	7060.0	7160.4	7087.2	7014.4
6115.6	37.5°	6086.9	6058.3	6141.5	6224.3	6364.5	6505.1	6629.2	6753.3	6719.6	6685.9
5810.1	40°	5745.2	5680.2	5740.1	5800.0	5935.6	6071.2	6213.9	6357.0	6365.3	6373.1
5485.5	42.5°	5399.4	5313.3	5362.1	5411.3	5539.7	5668.4	5822.6	5976.8	6018.1	6059.3
5162.7	45°	5078.8	4995.2	5036.1	5077.7	5199.7	5321.6	5481.6	5641.5	5700.7	5759.9
4874.7	47.5°	4804.4	4734.1	4772.9	4811.2	4930.7	5049.7	5207.5	5365.3	5433.5	5501.6
4621.2	50°	4558.8	4496.7	4557.0	4617.6	4730.2	4842.4	4983.7	5125.1	5212.6	5300.1
4432.2	52.5°	4370.5	4309.1	4399.9	4490.3	4593.5	4696.5	4828.1	4960.1	5063.7	5167.4
4331.7	55°	4234.2	4137.0	4265.7	4394.1	4505.3	4616.5	4732.0	4847.1	4956.9	5067.0
4271.5	57.5°	4129.5	3987.4	4125.9	4264.3	4394.9	4525.4	4639.4	4753.9	4864.7	4975.1
4214.8	60°	4030.8	3846.5	3968.1	4089.3	4239.2	4389.1	4505.0	4621.2	4732.3	4843.5
4148.8	62.5°	3918.6	3688.7	3765.8	3842.9	4017.6	4192.6	4316.3	4440.0	4541.9	4643.8
4009.7	65°	3765.1	3520.1	3549.9	3579.3	3766.5	3954.1	4072.4	4190.8	4280.4	4370.1
3761.5	67.5°	3557.8	3354.1	3344.7	3335.4	3508.3	3681.5	3793.8	3905.7	3983.1	4060.6
3446.6	70°	3301.7	3156.8	3124.5	3092.2	3244.3	3396.4	3493.2	3590.0	3660.0	3729.9
3095.8	72.5°	2996.5	2897.1	2849.8	2802.8	2922.6	3042.0	3129.5	3217.1	3285.6	3354.1
2697.7	75°	2621.3	2544.6	2499.4	2453.9	2542.8	2631.7	2711.0	2790.3	2852.7	2915.1
2298.9	77.5°	2237.6	2176.3	2130.4	2084.5	2156.9	2229.0	2297.1	2365.3	2430.9	2496.2
1844.2	80°	1792.9	1741.2	1702.9	1664.1	1724.4	1784.3	1841.6	1899.0	1948.9	1998.4
1356.4	82.5°	1331.3	1306.2	1278.9	1251.7	1246.7	1241.6	1221.5	1201.5	1307.6	1413.8
893.0	85°	866.1	839.2	808.7	778.3	752.4	726.3	670.7	615.1	714.4	814.1
394.5	87.5°	383.8	373.0	367.3	361.5	360.4	359.4	317.0	274.4	316.0	357.9
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°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
8652.3	2.5°	8618.3	8591.7	8565.2	8540.8	8516.1	8485.6	8516.1	8540.8	8565.2	8591.7
8140.9	5°	8093.9	8060.6	8027.2	8001.8	7976.3	7951.2	7976.3	8001.8	8027.2	8060.6
7834.3	7.5°	7778.3	7739.9	7701.9	7679.0	7656.4	7639.2	7656.4	7679.0	7701.9	7739.9
7746.0	10°	7682.9	7646.7	7610.5	7591.1	7571.7	7563.9	7571.7	7591.1	7610.5	7646.7
7904.6	12.5°	7823.9	7783.3	7743.2	7726.7	7710.2	7707.3	7710.2	7726.7	7743.2	7783.3
8238.1	15°	8115.4	8059.1	8003.2	7981.7	7960.2	7958.4	7960.2	7981.7	8003.2	8059.1
8576.7	17.5°	8395.9	8312.7	8229.1	8201.9	8174.3	8170.0	8174.3	8201.9	8229.1	8312.7
8787.6	20°	8566.3	8459.7	8352.9	8318.8	8284.7	8274.0	8284.7	8318.8	8352.9	8459.7
8800.8	22.5°	8572.4	8460.1	8347.5	8309.8	8272.2	8256.0	8272.2	8309.8	8347.5	8460.1
8601.1	25°	8398.8	8301.2	8204.0	8168.5	8133.4	8112.6	8133.4	8168.5	8204.0	8301.2
8216.2	27.5°	8058.8	7993.5	7927.9	7911.7	7895.6	7890.2	7895.6	7911.7	7927.9	7993.5
7753.2	30°	7639.9	7606.5	7572.8	7572.8	7572.8	7578.2	7572.8	7572.8	7572.8	7606.5
7309.6	32.5°	7219.6	7197.7	7175.8	7178.7	7181.9	7187.3	7181.9	7178.7	7175.8	7197.7
6931.2	35°	6848.4	6815.0	6782.0	6774.8	6767.7	6764.1	6767.7	6774.8	6782.0	6815.0
6609.5	37.5°	6532.7	6472.1	6411.9	6380.0	6348.0	6330.1	6348.0	6380.0	6411.9	6472.1
6308.2	40°	6243.3	6155.1	6067.6	6008.0	5949.2	5914.1	5949.2	6008.0	6067.6	6155.1
6004.5	42.5°	5949.9	5840.6	5731.2	5644.7	5558.3	5501.6	5558.3	5644.7	5731.2	5840.6
5710.4	45°	5661.2	5536.1	5411.3	5309.8	5208.3	5143.0	5208.3	5309.8	5411.3	5536.1
5467.2	47.5°	5432.8	5321.6	5210.4	5116.4	5022.8	4960.1	5022.8	5116.4	5210.4	5321.6
5297.9	50°	5296.5	5207.5	5118.6	5031.8	4945.0	4884.8	4945.0	5031.8	5118.6	5207.5
5186.0	52.5°	5204.7	5132.2	5059.8	4982.0	4904.5	4848.9	4904.5	4982.0	5059.8	5132.2
5092.8	55°	5118.6	5055.5	4992.4	4924.2	4856.1	4805.9	4856.1	4924.2	4992.4	5055.5
5001.3	57.5°	5027.5	4963.7	4899.8	4832.4	4764.6	4712.6	4764.6	4832.4	4899.8	4963.7
4872.2	60°	4900.9	4838.5	4776.5	4706.9	4637.3	4583.5	4637.3	4706.9	4776.5	4838.5
4671.4	62.5°	4699.0	4642.7	4586.4	4513.2	4440.0	4375.5	4440.0	4513.2	4586.4	4642.7
4398.4	65°	4426.4	4372.3	4318.1	4247.1	4176.4	4120.8	4176.4	4247.1	4318.1	4372.3
4088.2	67.5°	4115.5	4065.6	4016.1	3950.1	3884.1	3833.9	3884.1	3950.1	4016.1	4065.6
3756.5	70°	3783.0	3742.5	3701.9	3638.8	3575.7	3518.3	3575.7	3638.8	3701.9	3742.5
3385.6	72.5°	3417.2	3383.5	3349.8	3289.5	3229.6	3174.0	3229.6	3289.5	3349.8	3383.5
2948.1	75°	2981.1	2964.6	2948.1	2897.5	2846.9	2793.9	2846.9	2897.5	2948.1	2964.6
2527.0	77.5°	2557.9	2534.9	2511.2	2460.3	2409.4	2367.1	2409.4	2460.3	2511.2	2534.9
2039.3	80°	2080.1	2070.1	2060.4	1991.9	1923.1	1843.4	1923.1	1991.9	2060.4	2070.1
1483.4	82.5°	1552.9	1548.6	1544.0	1486.2	1428.1	1377.2	1428.1	1486.2	1544.0	1548.6
900.2	85°	986.3	979.1	971.9	926.7	881.6	835.6	881.6	926.7	971.9	979.1
392.7	87.5°	427.5	418.9	409.6	386.6	363.0	340.7	363.0	386.6	409.6	418.9
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°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
8618.3	2.5°	8652.3	8686.4	8728.7	8770.7	8824.9	8879.4	8933.5	8987.7	9049.4	9111.4
8093.9	5°	8140.9	8187.9	8255.3	8322.4	8409.9	8497.0	8593.2	8689.3	8798.0	8907.0
7778.3	7.5°	7834.3	7890.2	7969.8	8049.8	8156.3	8263.2	8384.4	8505.3	8648.8	8792.2
7682.9	10°	7746.0	7808.4	7904.2	7999.6	8119.8	8239.9	8370.4	8500.6	8644.1	8787.6
7823.9	12.5°	7904.6	7985.3	8107.2	8229.1	8353.2	8477.7	8579.5	8682.1	8776.8	8872.2
8115.4	15°	8238.1	8360.8	8534.3	8707.9	8815.9	8923.8	8950.4	8976.9	8964.0	8951.1
8395.9	17.5°	8576.7	8757.4	8987.3	9217.2	9304.0	9391.2	9308.3	9225.1	9068.7	8912.4
8566.3	20°	8787.6	9009.2	9271.7	9534.6	9575.1	9615.3	9441.4	9267.4	8995.6	8724.1
8572.4	22.5°	8800.8	9028.9	9280.0	9531.0	9507.0	9482.6	9256.3	9030.0	8719.4	8409.5
8398.8	25°	8601.1	8804.0	9009.6	9215.4	9132.6	9049.4	8826.6	8603.9	8324.9	8046.2
8058.8	27.5°	8216.2	8373.7	8520.0	8666.7	8573.8	8481.3	8302.7	8124.1	7895.2	7666.1
7639.9	30°	7753.2	7865.8	7977.7	8089.3	8014.0	7938.6	7790.2	7642.0	7452.0	7261.9
7219.6	32.5°	7309.6	7399.6	7502.5	7605.1	7521.2	7437.6	7295.2	7153.2	7001.1	6849.4
6848.4	35°	6931.2	7014.4	7087.2	7160.4	7060.0	6959.5	6818.6	6678.0	6562.5	6446.7
6532.7	37.5°	6609.5	6685.9	6719.6	6753.3	6629.2	6505.1	6364.5	6224.3	6141.5	6058.3
6243.3	40°	6308.2	6373.1	6365.3	6357.0	6213.9	6071.2	5935.6	5800.0	5740.1	5680.2
5949.9	42.5°	6004.5	6059.3	6018.1	5976.8	5822.6	5668.4	5539.7	5411.3	5362.1	5313.3
5661.2	45°	5710.4	5759.9	5700.7	5641.5	5481.6	5321.6	5199.7	5077.7	5036.1	4995.2
5432.8	47.5°	5467.2	5501.6	5433.5	5365.3	5207.5	5049.7	4930.7	4811.2	4772.9	4734.1
5296.5	50°	5297.9	5300.1	5212.6	5125.1	4983.7	4842.4	4730.2	4617.6	4557.0	4496.7
5204.7	52.5°	5186.0	5167.4	5063.7	4960.1	4828.1	4696.5	4593.5	4490.3	4399.9	4309.1
5118.6	55°	5092.8	5067.0	4956.9	4847.1	4732.0	4616.5	4505.3	4394.1	4265.7	4137.0
5027.5	57.5°	5001.3	4975.1	4864.7	4753.9	4639.4	4525.4	4394.9	4264.3	4125.9	3987.4
4900.9	60°	4872.2	4843.5	4732.3	4621.2	4505.0	4389.1	4239.2	4089.3	3968.1	3846.5
4699.0	62.5°	4671.4	4643.8	4541.9	4440.0	4316.3	4192.6	4017.6	3842.9	3765.8	3688.7
4426.4	65°	4398.4	4370.1	4280.4	4190.8	4072.4	3954.1	3766.5	3579.3	3549.9	3520.1
4115.5	67.5°	4088.2	4060.6	3983.1	3905.7	3793.8	3681.5	3508.3	3335.4	3344.7	3354.1
3783.0	70°	3756.5	3729.9	3660.0	3590.0	3493.2	3396.4	3244.3	3092.2	3124.5	3156.8
3417.2	72.5°	3385.6	3354.1	3285.6	3217.1	3129.5	3042.0	2922.6	2802.8	2849.8	2897.1
2981.1	75°	2948.1	2915.1	2852.7	2790.3	2711.0	2631.7	2542.8	2453.9	2499.4	2544.6
2557.9	77.5°	2527.0	2496.2	2430.9	2365.3	2297.1	2229.0	2156.9	2084.5	2130.4	2176.3
2080.1	80°	2039.3	1998.4	1948.9	1899.0	1841.6	1784.3	1724.4	1664.1	1702.9	1741.2
1552.9	82.5°	1483.4	1413.8	1307.6	1201.5	1221.5	1241.6	1246.7	1251.7	1278.9	1306.2
986.3	85°	900.2	814.1	714.4	615.1	670.7	726.3	752.4	778.3	808.7	839.2
427.5	87.5°	392.7	357.9	316.0	274.4	317.0	359.4	360.4	361.5	367.3	373.0
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°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
9179.9	2.5°	9248.8	9333.8	9410.2	9489.1	9568.0	9650.5	9732.9	9814.7	9896.8	9974.0
9037.2	5°	9167.0	9315.8	9466.5	9626.1	9785.7	9956.4	10127.5	10297.1	10467.1	10637.4
8964.7	7.5°	9137.6	9330.2	9535.7	9758.4	9981.1	10234.0	10486.8	10746.5	11006.1	11287.0
8969.7	10°	9151.9	9358.9	9612.4	9876.4	10139.6	10447.0	10754.0	11096.9	11440.1	11795.5
9020.7	12.5°	9169.9	9362.5	9628.9	9927.0	10225.0	10587.2	10949.5	11338.2	11727.0	12117.2
9022.1	15°	9093.5	9247.7	9542.9	9887.9	10232.9	10650.0	11067.1	11488.9	11910.6	12317.7
8886.5	17.5°	8860.4	8955.4	9302.6	9717.5	10132.5	10616.6	11100.8	11561.0	12021.1	12433.9
8602.1	20°	8480.2	8505.3	8909.5	9423.8	9938.1	10524.8	11111.6	11617.3	12123.0	12552.3
8229.1	22.5°	8048.7	7999.6	8459.7	9079.1	9698.5	10412.2	11125.9	11693.3	12260.3	12698.9
7838.2	25°	7630.2	7497.5	7969.1	8694.3	9419.8	10301.0	11182.6	11831.0	12479.1	12908.4
7465.2	27.5°	7264.4	7103.0	7532.3	8342.5	9152.7	10226.8	11300.9	12046.2	12791.1	13201.1
7101.9	30°	6942.7	6816.1	7176.5	8048.4	8920.3	10192.0	11463.1	12324.9	13186.7	13582.3
6755.1	32.5°	6660.8	6604.5	6895.0	7794.8	8694.3	10149.0	11602.9	12615.7	13628.6	14020.2
6420.5	35°	6394.7	6418.0	6660.1	7545.6	8431.1	10067.9	11705.5	12947.1	14188.8	14564.3
6086.9	37.5°	6115.6	6201.0	6412.6	7252.2	8091.8	9929.1	11766.5	13318.3	14870.2	15348.6
5745.2	40°	5810.1	5941.0	6132.9	6902.1	7671.4	9738.0	11804.8	13789.6	15774.0	16471.2
5399.4	42.5°	5485.5	5650.5	5827.3	6515.9	7204.5	9540.7	11877.6	14406.1	16934.6	17940.9
5078.8	45°	5162.7	5322.3	5501.6	6105.6	6709.6	9357.4	12005.7	15217.4	18429.0	19786.5
4804.4	47.5°	4874.7	5012.1	5243.4	5781.0	6318.6	9206.1	12093.6	16081.7	20069.8	21980.7
4558.8	50°	4621.2	4780.8	5084.9	5565.5	6046.1	9041.1	12036.2	16883.6	21731.1	24611.7
4370.5	52.5°	4432.2	4655.2	5004.9	5423.4	5842.3	8762.4	11682.9	17404.4	23125.5	27375.5
4234.2	55°	4331.7	4667.8	4993.1	5320.5	5648.0	8300.5	10953.1	17289.6	23625.8	29825.7
4129.5	57.5°	4271.5	4680.3	4967.3	5198.6	5429.9	7649.2	9868.2	16481.9	23096.1	31562.3
4030.8	60°	4214.8	4640.9	4830.2	5012.1	5193.9	6803.5	8413.1	14978.9	21544.6	31996.3
3918.6	62.5°	4148.8	4544.0	4567.4	4687.9	4808.7	5791.4	6774.1	12946.4	19118.7	30169.0
3765.1	65°	4009.7	4310.9	4308.1	4365.1	4422.1	4880.8	5339.5	10872.7	16406.3	27583.5
3557.8	67.5°	3761.5	3930.8	3938.7	3907.1	3875.2	4005.7	4135.9	8841.3	13546.8	24506.7
3301.7	70°	3446.6	3502.2	3502.2	3354.8	3207.0	3170.1	3132.8	6961.3	10789.9	21149.4
2996.5	72.5°	3095.8	3095.1	3060.0	2850.9	2641.4	2528.8	2416.6	5322.0	8227.3	17509.8
2621.3	75°	2697.7	2711.4	2549.3	2314.7	2080.1	1978.3	1876.4	3862.6	5848.8	13337.7
2237.6	77.5°	2298.9	2306.1	2038.9	1811.2	1583.4	1513.8	1444.6	2617.4	3790.2	9335.2
1792.9	80°	1844.2	1845.2	1526.0	1333.4	1140.5	1111.8	1083.1	1686.4	2290.0	6014.5
1331.3	82.5°	1356.4	1341.3	1068.8	926.7	784.7	779.0	774.0	1037.2	1301.2	3481.0
866.1	85°	893.0	873.3	670.7	566.7	462.7	465.5	468.0	554.5	641.3	1565.8
383.8	87.5°	394.5	369.4	285.1	242.4	200.1	202.6	205.1	229.9	254.6	512.9
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°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
10051.1	2.5°	10089.1	10127.5	10181.6	10235.8	10268.0	10300.3	10316.5	10332.6	10325.4	10332.6
10807.8	5°	10940.9	11074.3	11206.3	11338.6	11410.3	11482.1	11525.5	11569.2	11602.2	11569.2
11568.1	7.5°	11784.8	12001.0	12195.8	12390.5	12507.8	12625.1	12688.5	12751.7	12782.2	12751.7
12150.9	10°	12407.0	12663.1	12891.5	13120.0	13258.4	13396.2	13457.8	13519.2	13542.5	13519.2
12507.8	12.5°	12785.4	13062.6	13269.2	13475.1	13575.5	13675.9	13709.6	13743.3	13746.9	13743.3
12724.8	15°	12964.3	13203.6	13333.0	13462.9	13466.5	13470.0	13434.2	13398.3	13356.0	13398.3
12846.7	17.5°	13008.5	13170.2	13172.7	13174.9	13029.6	12884.4	12751.3	12617.9	12523.9	12617.9
12981.2	20°	13037.5	13094.2	12923.8	12753.5	12432.8	12112.2	11878.7	11645.2	11501.8	11645.2
13137.2	22.5°	13063.3	12989.5	12636.5	12283.6	11812.0	11340.4	11048.5	10756.5	10598.0	10756.5
13338.1	25°	13104.9	12871.8	12336.0	11800.2	11227.4	10654.7	10347.7	10041.4	9891.5	10041.4
13610.6	27.5°	13193.9	12776.8	12067.0	11357.6	10722.8	10088.0	9786.0	9484.4	9342.7	9484.4
13978.2	30°	13356.7	12735.5	11861.9	10988.2	10326.9	9665.5	9385.4	9105.3	8973.3	9105.3
14412.2	32.5°	13561.1	12710.4	11722.0	10733.6	10112.0	9490.5	9270.6	9050.4	8955.4	9050.4
14939.4	35°	13897.9	12856.8	11826.7	10797.0	10365.2	9933.8	9882.5	9831.2	9823.3	9831.2
15827.1	37.5°	14601.9	13376.8	12440.7	11504.7	11476.7	11448.7	11683.3	11917.8	12039.8	11917.8
17168.4	40°	15836.0	14503.7	13807.5	13111.4	13602.7	14094.1	14664.3	15234.6	15518.6	15234.6
18947.3	42.5°	17625.3	16303.3	15902.4	15501.4	16573.0	17644.7	18681.9	19719.1	20328.1	19719.1
21144.0	45°	19956.5	18768.7	18591.9	18414.7	20131.5	21848.7	23553.0	25257.7	26292.4	25257.7
23891.2	47.5°	22736.0	21580.5	21544.6	21508.7	23985.5	26461.6	28956.7	31451.5	32916.6	31451.5
27492.0	50°	26065.0	24638.3	24644.4	24650.5	27842.4	31034.4	34327.8	37621.3	39612.5	37621.3
31625.4	52.5°	29897.5	28169.9	27995.2	27820.2	31633.0	35445.7	39520.7	43595.3	45982.0	43595.3
36026.0	55°	34318.9	32611.7	31930.6	31249.6	35493.1	39736.2	44594.1	49451.9	52290.6	49451.9
40028.5	57.5°	39098.9	38168.9	36802.8	35437.1	39721.9	44006.6	49509.0	55011.0	58531.1	55011.0
42447.6	60°	43891.5	45335.8	43639.4	41943.0	45997.8	50052.7	55943.8	61834.9	65639.4	61834.9
41219.2	62.5°	45164.7	49110.2	48919.0	48727.5	52442.0	56156.8	61761.8	67366.3	70882.9	67366.3
38760.7	65°	42463.7	46166.7	46899.5	47631.8	52352.3	57073.2	62508.1	67942.7	70936.7	67942.7
35466.5	67.5°	38988.4	42510.3	42853.9	43197.2	48115.6	53033.7	58492.0	63950.2	66295.8	63950.2
31508.9	70°	35339.6	39170.6	39324.1	39478.0	43876.4	48274.5	52971.7	57668.5	58972.2	57668.5
26792.7	72.5°	31188.6	35584.9	35695.4	35805.5	39246.7	42687.9	46205.8	49723.4	49855.4	49723.4
20826.6	75°	25376.4	29926.2	30334.7	30743.2	33420.5	36097.8	38574.2	41050.7	40387.2	41050.7
14880.2	77.5°	19127.3	23374.8	23959.4	24544.0	26579.3	28614.6	30370.9	32127.5	30987.0	32127.5
9739.0	80°	13312.2	16885.1	17611.7	18338.3	19875.5	21411.9	22334.3	23256.4	21421.9	23256.4
5661.2	82.5°	8104.0	10547.1	11358.7	12170.7	13228.7	14286.7	14671.5	15056.0	13614.2	15056.0
2490.8	85°	3787.3	5083.8	5774.2	6464.6	7334.0	8203.0	8421.4	8639.8	7484.9	8639.8
771.1	87.5°	1206.8	1642.6	2027.8	2413.0	2847.7	3282.3	3301.0	3319.3	2786.7	3319.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
9346.3	0°	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3	9346.3
10316.5	2.5°	10300.3	10268.0	10235.8	10181.6	10127.5	10089.1	10051.1
11525.5	5°	11482.1	11410.3	11338.6	11206.3	11074.3	10940.9	10807.8
12688.5	7.5°	12625.1	12507.8	12390.5	12195.8	12001.0	11784.8	11568.1
13457.8	10°	13396.2	13258.4	13120.0	12891.5	12663.1	12407.0	12150.9
13709.6	12.5°	13675.9	13575.5	13475.1	13269.2	13062.6	12785.4	12507.8
13434.2	15°	13470.0	13466.5	13462.9	13333.0	13203.6	12964.3	12724.8
12751.3	17.5°	12884.4	13029.6	13174.9	13172.7	13170.2	13008.5	12846.7
11878.7	20°	12112.2	12432.8	12753.5	12923.8	13094.2	13037.5	12981.2
11048.5	22.5°	11340.4	11812.0	12283.6	12636.5	12989.5	13063.3	13137.2
10347.7	25°	10654.7	11227.4	11800.2	12336.0	12871.8	13104.9	13338.1
9786.0	27.5°	10088.0	10722.8	11357.6	12067.0	12776.8	13193.9	13610.6
9385.4	30°	9665.5	10326.9	10988.2	11861.9	12735.5	13356.7	13978.2
9270.6	32.5°	9490.5	10112.0	10733.6	11722.0	12710.4	13561.1	14412.2
9882.5	35°	9933.8	10365.2	10797.0	11826.7	12856.8	13897.9	14939.4
11683.3	37.5°	11448.7	11476.7	11504.7	12440.7	13376.8	14601.9	15827.1
14664.3	40°	14094.1	13602.7	13111.4	13807.5	14503.7	15836.0	17168.4
18681.9	42.5°	17644.7	16573.0	15501.4	15902.4	16303.3	17625.3	18947.3
23553.0	45°	21848.7	20131.5	18414.7	18591.9	18768.7	19956.5	21144.0
28956.7	47.5°	26461.6	23985.5	21508.7	21544.6	21580.5	22736.0	23891.2
34327.8	50°	31034.4	27842.4	24650.5	24644.4	24638.3	26065.0	27492.0
39520.7	52.5°	35445.7	31633.0	27820.2	27995.2	28169.9	29897.5	31625.4
44594.1	55°	39736.2	35493.1	31249.6	31930.6	32611.7	34318.9	36026.0
49509.0	57.5°	44006.6	39721.9	35437.1	36802.8	38168.9	39098.9	40028.5
55943.8	60°	50052.7	45997.8	41943.0	43639.4	45335.8	43891.5	42447.6
61761.8	62.5°	56156.8	52442.0	48727.5	48919.0	49110.2	45164.7	41219.2
62508.1	65°	57073.2	52352.3	47631.8	46899.5	46166.7	42463.7	38760.7
58492.0	67.5°	53033.7	48115.6	43197.2	42853.9	42510.3	38988.4	35466.5
52971.7	70°	48274.5	43876.4	39478.0	39324.1	39170.6	35339.6	31508.9
46205.8	72.5°	42687.9	39246.7	35805.5	35695.4	35584.9	31188.6	26792.7
38574.2	75°	36097.8	33420.5	30743.2	30334.7	29926.2	25376.4	20826.6
30370.9	77.5°	28614.6	26579.3	24544.0	23959.4	23374.8	19127.3	14880.2
22334.3	80°	21411.9	19875.5	18338.3	17611.7	16885.1	13312.2	9739.0
14671.5	82.5°	14286.7	13228.7	12170.7	11358.7	10547.1	8104.0	5661.2
8421.4	85°	8203.0	7334.0	6464.6	5774.2	5083.8	3787.3	2490.8
3301.0	87.5°	3282.3	2847.7	2413.0	2027.8	1642.6	1206.8	771.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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