

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: P957148

Luminaire Tested: **GALN-SB9C-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957148
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61074 lumens
Efficiency: N/A
Efficacy: 135.8 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

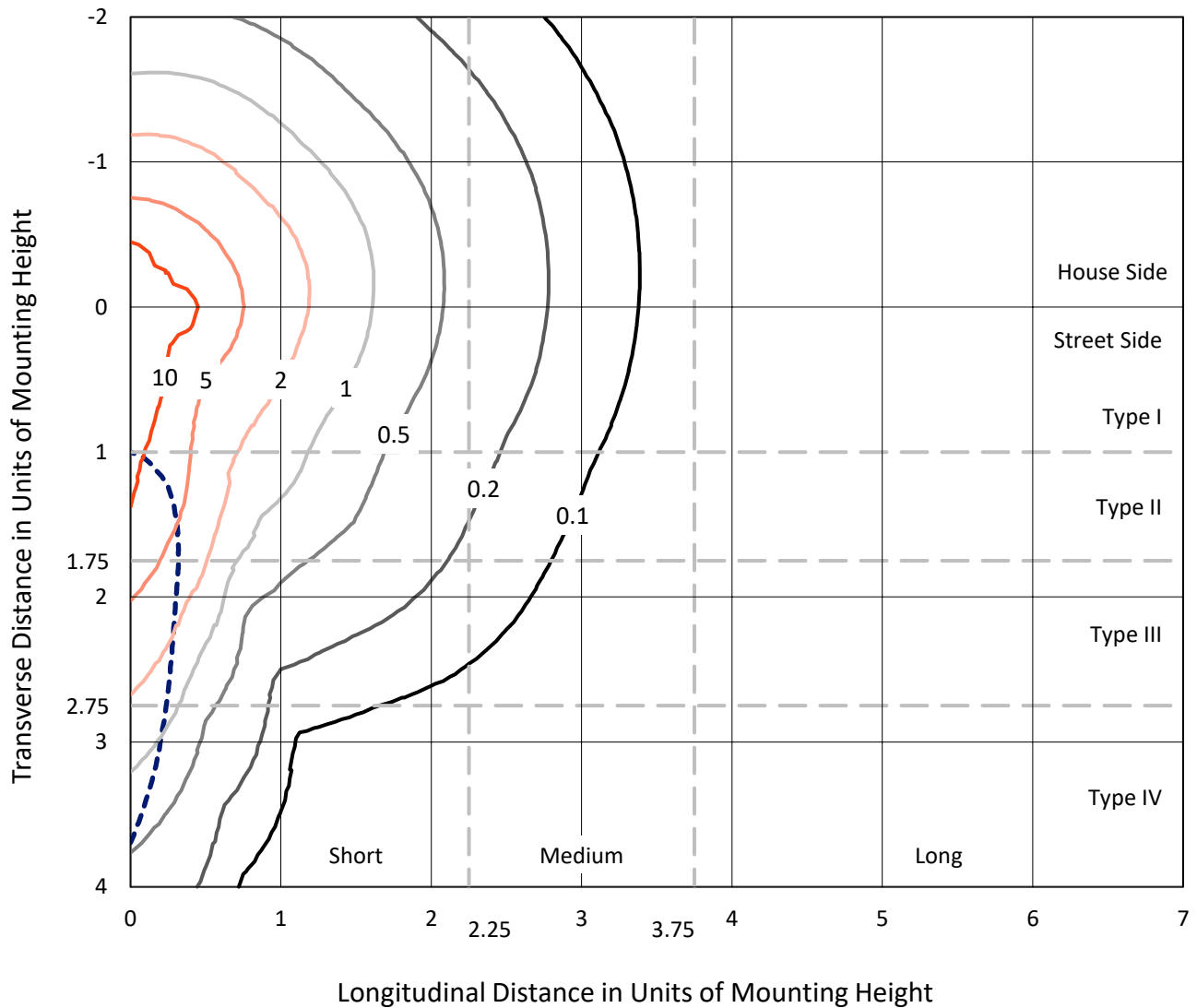
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

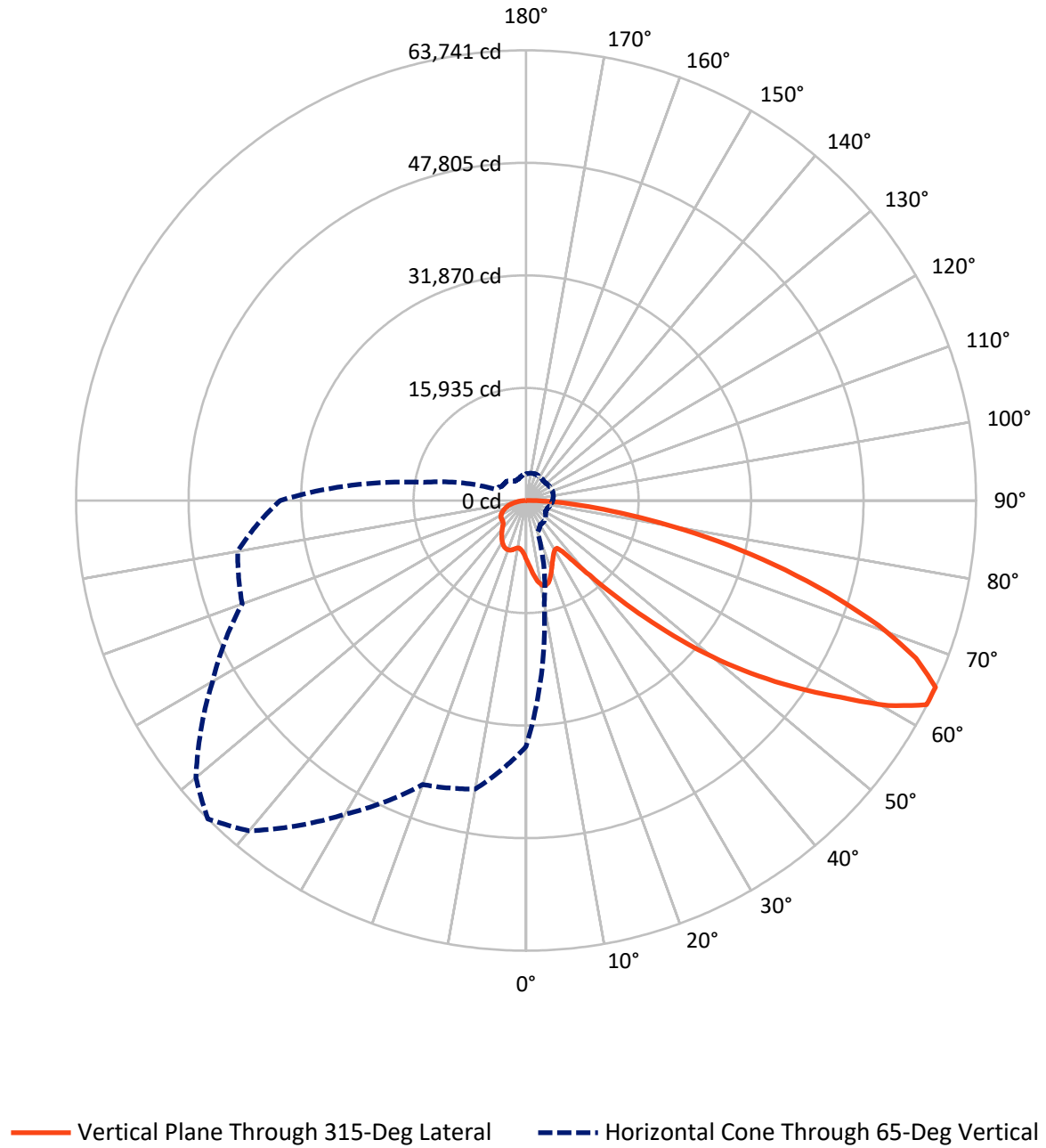
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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	15521.9	0.0	15521.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	45552.1	0.0	45552.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	61074.0	0.0	61074.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.1	1.4
10°-20°	2615.3	4.3
20°-30°	4039.7	6.6
30°-40°	5119.3	8.4
40°-50°	7721.2	12.6
50°-60°	12474.7	20.4
60°-70°	15551.7	25.5
70°-80°	10198.0	16.7
80°-90°	2521.2	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°	61074.0	100.0
0°-180°	61074.0	100.0



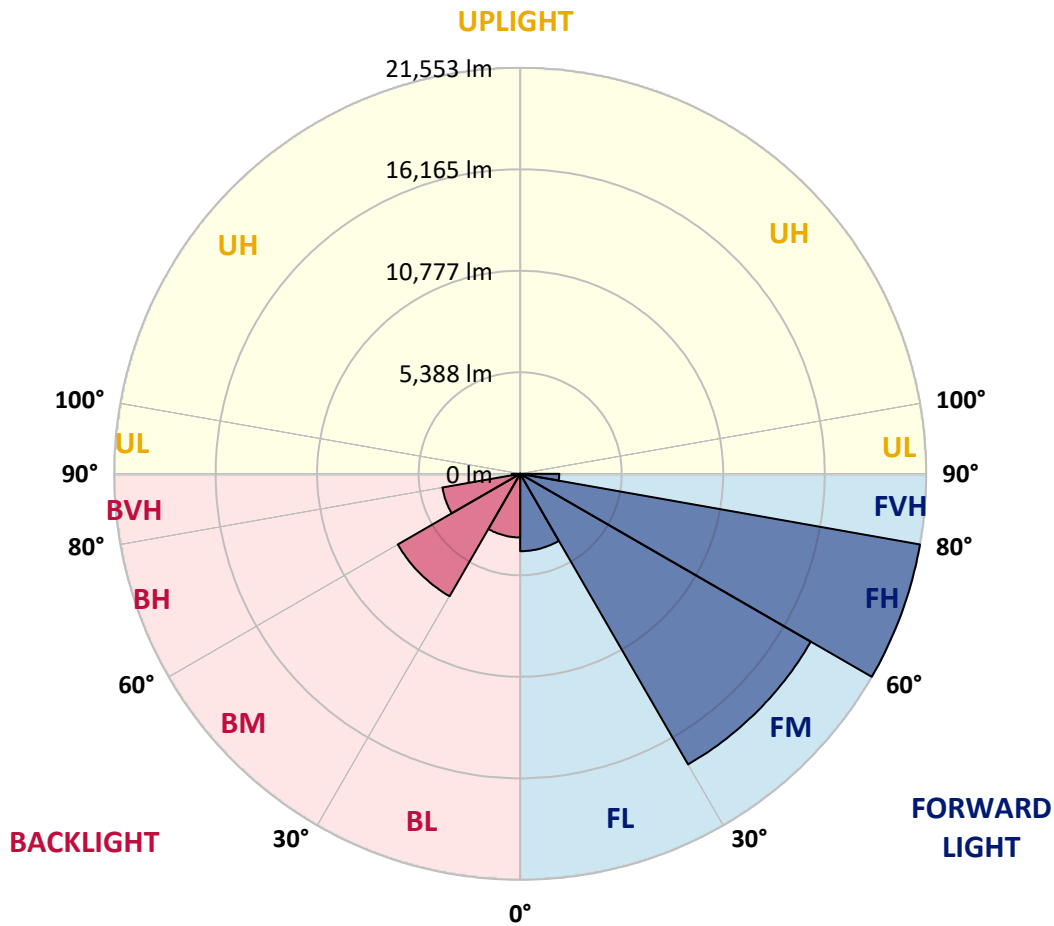
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4107.9	6.7			
FM (30°-60°)	17814.0	29.2			
FH (60°-80°)	21553.3	35.3			G5
FVH (80°-90°)	2076.9	3.4			G5
BL (0°-30°)	3380.1	5.5	B4/5000		
BM (30°-60°)	7501.1	12.3	B4/8500		
BH (60°-80°)	4196.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	444.3	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°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
2.5°	9031.4	8962.2	8892.9	8819.1	8745.6	8671.5	8597.4	8526.5	8455.6	8386.9
5°	9711.4	9558.4	9405.3	9252.5	9100.1	8946.4	8793.0	8649.6	8506.2	8370.8
7.5°	10394.6	10142.0	9889.6	9656.3	9423.0	9195.8	8968.6	8768.5	8568.4	8383.7
10°	10918.3	10598.9	10279.6	9971.2	9663.1	9387.2	9111.0	8874.5	8637.3	8409.5
12.5°	11239.0	10888.0	10537.4	10188.1	9838.7	9513.2	9187.7	8919.9	8652.1	8412.7
15°	11433.9	11068.2	10702.4	10323.4	9944.4	9569.6	9194.8	8884.8	8574.8	8309.6
17.5°	11543.5	11172.6	10801.6	10388.2	9974.7	9539.7	9104.6	8731.7	8358.9	8046.9
20°	11664.3	11278.9	10893.2	10438.8	9984.4	9457.2	8929.9	8467.8	8005.7	7642.5
22.5°	11804.5	11410.7	11016.6	10507.1	9997.3	9356.0	8714.7	8158.1	7601.6	7188.1
25°	11985.0	11598.9	11213.2	10630.8	10048.2	9256.1	8464.3	7812.3	7160.7	6736.9
27.5°	12229.9	11861.9	11493.5	10824.2	10154.5	9189.4	8224.2	7496.2	6768.2	6382.4
30°	12560.2	12204.5	11849.0	11074.6	10300.2	9158.1	8015.4	7231.9	6448.5	6124.6
32.5°	12950.2	12597.9	12246.0	11336.0	10425.9	9119.4	7812.3	7004.1	6195.5	5934.5
35°	13423.9	13086.8	12749.4	11633.7	10518.1	9046.6	7575.8	6780.1	5984.4	5766.9
37.5°	14221.5	13791.6	13361.7	11967.3	10572.8	8921.9	7270.9	6516.5	5762.1	5571.9
40°	15426.8	14800.3	14173.8	12390.7	10607.3	8750.1	6893.2	6202.0	5510.7	5338.3
42.5°	17025.2	16120.9	15216.7	12944.7	10672.7	8572.9	6473.6	5854.9	5236.1	5077.3
45°	18999.1	17779.3	16559.5	13673.7	10787.8	8408.2	6028.9	5486.2	4943.5	4782.4
47.5°	21467.6	19750.9	18033.9	14450.3	10866.7	8272.2	5677.6	5194.6	4711.5	4503.6
50°	24703.2	22115.0	19526.6	15170.9	10815.2	8124.0	5432.7	5000.9	4569.1	4295.8
52.5°	28417.2	24598.4	20779.6	15638.8	10497.8	7873.6	5249.7	4873.3	4497.2	4183.0
55°	32371.4	26800.1	21229.1	15535.7	9841.9	7458.5	5075.0	4780.8	4486.6	4194.3
57.5°	35967.9	28360.5	20753.2	14810.0	8867.1	6873.2	4879.1	4671.2	4463.4	4205.5
60°	38141.6	28750.5	19359.0	13459.4	7559.7	6113.3	4667.0	4503.6	4340.3	4170.1
62.5°	37037.8	27108.5	17179.3	11633.1	6086.9	5203.9	4320.9	4212.3	4104.0	4083.1
65°	34828.7	24785.3	14742.0	9769.8	4797.9	4385.7	3973.5	3922.3	3871.0	3873.6
67.5°	31868.7	22020.6	12172.6	7944.5	3716.3	3599.4	3482.1	3510.7	3539.1	3532.0
70°	28312.5	19003.9	9695.3	6255.1	2815.0	2848.5	2881.7	3014.5	3146.9	3146.9
72.5°	24074.7	15733.6	7392.7	4782.1	2171.4	2272.3	2373.5	2561.7	2749.6	2781.1
75°	18713.9	11984.7	5255.5	3470.8	1686.1	1777.6	1869.1	2079.9	2290.7	2436.3
77.5°	13370.7	8388.2	3405.7	2351.9	1298.1	1360.3	1422.8	1627.4	1832.1	2072.2
80°	8751.1	5404.4	2057.7	1515.3	973.2	999.0	1024.8	1198.2	1371.2	1658.0
82.5°	5086.9	3127.9	1169.2	932.0	695.4	700.0	705.1	832.7	960.3	1205.3
85°	2238.1	1407.0	576.2	498.2	420.6	418.3	415.7	509.2	602.6	784.7
87.5°	692.9	460.8	228.8	206.6	184.3	182.1	179.8	217.9	256.2	331.9
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°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
8310.5	2.5°	8248.7	8187.1	8131.4	8075.9	8027.3	7978.6	7929.6	7881.0	7843.3	7805.2
8237.1	5°	8120.4	8003.4	7905.5	7807.8	7721.4	7635.1	7556.8	7478.1	7417.9	7357.3
8210.6	7.5°	8055.3	7900.3	7771.4	7642.5	7533.9	7425.0	7328.9	7233.2	7161.4	7089.8
8223.5	10°	8059.8	7896.1	7767.2	7638.3	7521.3	7404.0	7296.1	7188.1	7102.4	7016.3
8239.6	12.5°	8105.6	7972.2	7886.4	7801.4	7709.2	7617.7	7505.9	7394.3	7284.8	7175.2
8171.0	15°	8106.9	8043.1	8054.7	8066.3	8042.4	8018.6	7921.6	7824.6	7668.6	7512.6
7961.5	17.5°	7985.1	8008.3	8148.8	8289.3	8364.0	8438.5	8360.2	8282.2	8075.6	7869.0
7619.9	20°	7729.5	7839.1	8083.0	8327.3	8483.6	8639.9	8603.8	8567.4	8331.2	8095.3
7232.2	22.5°	7394.3	7556.4	7834.9	8114.0	8317.3	8520.7	8542.6	8564.2	8338.6	8113.0
6856.2	25°	7043.1	7230.0	7480.4	7731.1	7931.2	8131.4	8206.1	8280.6	8095.6	7910.9
6527.5	27.5°	6707.9	6888.4	7094.3	7299.9	7460.4	7620.9	7704.0	7787.5	7655.7	7524.2
6238.4	30°	6381.5	6525.2	6696.0	6866.8	6999.9	7133.3	7201.0	7268.7	7168.4	7067.9
5985.1	32.5°	6069.8	6154.6	6290.9	6427.6	6555.2	6683.1	6758.2	6833.6	6741.4	6649.0
5746.0	35°	5769.2	5792.7	5896.8	6000.6	6126.9	6253.5	6343.8	6434.0	6368.3	6302.8
5495.2	37.5°	5469.5	5443.7	5518.4	5592.9	5718.9	5845.2	5956.7	6068.2	6037.9	6007.6
5220.7	40°	5162.3	5104.0	5157.8	5211.7	5333.5	5455.3	5583.5	5712.1	5719.5	5726.6
4929.0	42.5°	4851.7	4774.3	4818.2	4862.3	4977.7	5093.4	5232.0	5370.5	5407.6	5444.7
4639.0	45°	4563.6	4488.5	4525.2	4562.6	4672.2	4781.8	4925.5	5069.2	5122.4	5175.6
4380.2	47.5°	4317.0	4253.9	4288.7	4323.2	4430.5	4537.5	4679.3	4821.1	4882.3	4943.5
4152.4	50°	4096.3	4040.5	4094.7	4149.1	4250.3	4351.2	4478.2	4605.2	4683.8	4762.4
3982.5	52.5°	3927.1	3872.0	3953.5	4034.7	4127.6	4220.0	4338.3	4456.9	4550.0	4643.2
3892.3	55°	3804.6	3717.3	3833.0	3948.4	4048.3	4148.2	4252.0	4355.4	4454.0	4552.9
3838.2	57.5°	3710.5	3582.9	3707.3	3831.7	3949.0	4066.3	4168.8	4271.6	4371.2	4470.4
3787.2	60°	3621.9	3456.3	3565.5	3674.5	3809.2	3943.9	4048.0	4152.4	4252.3	4352.2
3728.0	62.5°	3521.1	3314.5	3383.8	3453.1	3610.0	3767.3	3878.4	3989.6	4081.2	4172.7
3602.9	65°	3383.1	3163.0	3189.8	3216.2	3384.4	3553.0	3659.3	3765.7	3846.2	3926.8
3379.9	67.5°	3196.9	3013.8	3005.4	2997.1	3152.4	3308.0	3408.9	3509.5	3579.1	3648.7
3097.0	70°	2966.8	2836.6	2807.6	2778.6	2915.2	3051.8	3138.9	3225.9	3288.7	3351.5
2781.8	72.5°	2692.5	2603.2	2560.7	2518.5	2626.1	2733.4	2812.1	2890.7	2952.3	3013.8
2424.1	75°	2355.4	2286.5	2245.9	2204.9	2284.9	2364.8	2436.0	2507.2	2563.3	2619.4
2065.7	77.5°	2010.6	1955.5	1914.2	1873.0	1938.1	2002.9	2064.1	2125.3	2184.3	2243.0
1657.1	80°	1611.0	1564.6	1530.1	1495.3	1549.4	1603.3	1654.8	1706.4	1751.2	1795.7
1218.8	82.5°	1196.2	1173.7	1149.2	1124.7	1120.2	1115.7	1097.6	1079.6	1175.0	1270.4
802.4	85°	778.3	754.1	726.7	699.3	676.1	652.6	602.6	552.7	641.9	731.5
354.5	87.5°	344.8	335.2	330.0	324.8	323.9	322.9	284.9	246.5	283.9	321.6
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°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
7774.6	2.5°	7744.0	7720.2	7696.3	7674.4	7652.2	7624.8	7652.2	7674.4	7696.3	7720.2
7315.1	5°	7272.9	7242.9	7212.9	7190.0	7167.2	7144.6	7167.2	7190.0	7212.9	7242.9
7039.5	7.5°	6989.3	6954.8	6920.6	6900.0	6879.7	6864.2	6879.7	6900.0	6920.6	6954.8
6960.3	10°	6903.5	6871.0	6838.4	6821.0	6803.6	6796.5	6803.6	6821.0	6838.4	6871.0
7102.7	12.5°	7030.2	6993.8	6957.7	6942.9	6928.0	6925.5	6928.0	6942.9	6957.7	6993.8
7402.4	15°	7292.2	7241.6	7191.3	7172.0	7152.7	7151.0	7152.7	7172.0	7191.3	7241.6
7706.6	17.5°	7544.2	7469.4	7394.3	7369.9	7345.0	7341.2	7345.0	7369.9	7394.3	7469.4
7896.1	20°	7697.3	7601.6	7505.5	7474.9	7444.3	7434.6	7444.3	7474.9	7505.5	7601.6
7908.0	22.5°	7702.8	7601.9	7500.7	7466.9	7433.0	7418.5	7433.0	7466.9	7500.7	7601.9
7728.5	25°	7546.8	7459.1	7371.8	7339.9	7308.3	7289.6	7308.3	7339.9	7371.8	7459.1
7382.7	27.5°	7241.3	7182.6	7123.6	7109.1	7094.6	7089.8	7094.6	7109.1	7123.6	7182.6
6966.7	30°	6864.9	6834.9	6804.6	6804.6	6804.6	6809.4	6804.6	6804.6	6804.6	6834.9
6568.1	32.5°	6487.2	6467.5	6447.9	6450.4	6453.3	6458.2	6453.3	6450.4	6447.9	6467.5
6228.1	35°	6153.6	6123.7	6094.0	6087.6	6081.1	6077.9	6081.1	6087.6	6094.0	6123.7
5939.0	37.5°	5870.0	5815.6	5761.4	5732.8	5704.1	5688.0	5704.1	5732.8	5761.4	5815.6
5668.3	40°	5610.0	5530.7	5452.1	5398.6	5345.7	5314.1	5345.7	5398.6	5452.1	5530.7
5395.3	42.5°	5346.4	5248.1	5149.8	5072.1	4994.4	4943.5	4994.4	5072.1	5149.8	5248.1
5131.1	45°	5086.9	4974.5	4862.3	4771.1	4679.9	4621.3	4679.9	4771.1	4862.3	4974.5
4912.6	47.5°	4881.7	4781.8	4681.9	4597.4	4513.3	4456.9	4513.3	4597.4	4681.9	4781.8
4760.5	50°	4759.2	4679.3	4599.4	4521.4	4443.4	4389.2	4443.4	4521.4	4599.4	4679.3
4659.9	52.5°	4676.7	4611.6	4546.5	4476.6	4407.0	4357.0	4407.0	4476.6	4546.5	4611.6
4576.1	55°	4599.4	4542.6	4485.9	4424.7	4363.5	4318.3	4363.5	4424.7	4485.9	4542.6
4494.0	57.5°	4517.5	4460.1	4402.8	4342.2	4281.3	4234.5	4281.3	4342.2	4402.8	4460.1
4378.0	60°	4403.7	4347.7	4291.9	4229.4	4166.9	4118.5	4166.9	4229.4	4291.9	4347.7
4197.5	62.5°	4222.3	4171.7	4121.1	4055.4	3989.6	3931.6	3989.6	4055.4	4121.1	4171.7
3952.2	65°	3977.4	3928.7	3880.1	3816.3	3752.8	3702.8	3752.8	3816.3	3880.1	3928.7
3673.5	67.5°	3698.0	3653.2	3608.7	3549.4	3490.1	3445.0	3490.1	3549.4	3608.7	3653.2
3375.4	70°	3399.2	3362.8	3326.4	3269.7	3213.0	3161.4	3213.0	3269.7	3326.4	3362.8
3042.2	72.5°	3070.5	3040.2	3009.9	2955.8	2902.0	2852.0	2902.0	2955.8	3009.9	3040.2
2649.0	75°	2678.7	2663.8	2649.0	2603.6	2558.1	2510.4	2558.1	2603.6	2649.0	2663.8
2270.7	77.5°	2298.4	2277.8	2256.5	2210.7	2165.0	2126.9	2165.0	2210.7	2256.5	2277.8
1832.4	80°	1869.1	1860.1	1851.4	1789.9	1728.0	1656.4	1728.0	1789.9	1851.4	1860.1
1332.9	82.5°	1395.4	1391.5	1387.3	1335.5	1283.3	1237.5	1283.3	1335.5	1387.3	1391.5
808.9	85°	886.2	879.8	873.3	832.7	792.1	750.9	792.1	832.7	873.3	879.8
352.9	87.5°	384.1	376.4	368.0	347.4	326.1	306.2	326.1	347.4	368.0	376.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
7744.0	2.5°	7774.6	7805.2	7843.3	7881.0	7929.6	7978.6	8027.3	8075.9	8131.4	8187.1
7272.9	5°	7315.1	7357.3	7417.9	7478.1	7556.8	7635.1	7721.4	7807.8	7905.5	8003.4
6989.3	7.5°	7039.5	7089.8	7161.4	7233.2	7328.9	7425.0	7533.9	7642.5	7771.4	7900.3
6903.5	10°	6960.3	7016.3	7102.4	7188.1	7296.1	7404.0	7521.3	7638.3	7767.2	7896.1
7030.2	12.5°	7102.7	7175.2	7284.8	7394.3	7505.9	7617.7	7709.2	7801.4	7886.4	7972.2
7292.2	15°	7402.4	7512.6	7668.6	7824.6	7921.6	8018.6	8042.4	8066.3	8054.7	8043.1
7544.2	17.5°	7706.6	7869.0	8075.6	8282.2	8360.2	8438.5	8364.0	8289.3	8148.8	8008.3
7697.3	20°	7896.1	8095.3	8331.2	8567.4	8603.8	8639.9	8483.6	8327.3	8083.0	7839.1
7702.8	22.5°	7908.0	8113.0	8338.6	8564.2	8542.6	8520.7	8317.3	8114.0	7834.9	7556.4
7546.8	25°	7728.5	7910.9	8095.6	8280.6	8206.1	8131.4	7931.2	7731.1	7480.4	7230.0
7241.3	27.5°	7382.7	7524.2	7655.7	7787.5	7704.0	7620.9	7460.4	7299.9	7094.3	6888.4
6864.9	30°	6966.7	7067.9	7168.4	7268.7	7201.0	7133.3	6999.9	6866.8	6696.0	6525.2
6487.2	32.5°	6568.1	6649.0	6741.4	6833.6	6758.2	6683.1	6555.2	6427.6	6290.9	6154.6
6153.6	35°	6228.1	6302.8	6368.3	6434.0	6343.8	6253.5	6126.9	6000.6	5896.8	5792.7
5870.0	37.5°	5939.0	6007.6	6037.9	6068.2	5956.7	5845.2	5718.9	5592.9	5518.4	5443.7
5610.0	40°	5668.3	5726.6	5719.5	5712.1	5583.5	5455.3	5333.5	5211.7	5157.8	5104.0
5346.4	42.5°	5395.3	5444.7	5407.6	5370.5	5232.0	5093.4	4977.7	4862.3	4818.2	4774.3
5086.9	45°	5131.1	5175.6	5122.4	5069.2	4925.5	4781.8	4672.2	4562.6	4525.2	4488.5
4881.7	47.5°	4912.6	4943.5	4882.3	4821.1	4679.3	4537.5	4430.5	4323.2	4288.7	4253.9
4759.2	50°	4760.5	4762.4	4683.8	4605.2	4478.2	4351.2	4250.3	4149.1	4094.7	4040.5
4676.7	52.5°	4659.9	4643.2	4550.0	4456.9	4338.3	4220.0	4127.6	4034.7	3953.5	3872.0
4599.4	55°	4576.1	4552.9	4454.0	4355.4	4252.0	4148.2	4048.3	3948.4	3833.0	3717.3
4517.5	57.5°	4494.0	4470.4	4371.2	4271.6	4168.8	4066.3	3949.0	3831.7	3707.3	3582.9
4403.7	60°	4378.0	4352.2	4252.3	4152.4	4048.0	3943.9	3809.2	3674.5	3565.5	3456.3
4222.3	62.5°	4197.5	4172.7	4081.2	3989.6	3878.4	3767.3	3610.0	3453.1	3383.8	3314.5
3977.4	65°	3952.2	3926.8	3846.2	3765.7	3659.3	3553.0	3384.4	3216.2	3189.8	3163.0
3698.0	67.5°	3673.5	3648.7	3579.1	3509.5	3408.9	3308.0	3152.4	2997.1	3005.4	3013.8
3399.2	70°	3375.4	3351.5	3288.7	3225.9	3138.9	3051.8	2915.2	2778.6	2807.6	2836.6
3070.5	72.5°	3042.2	3013.8	2952.3	2890.7	2812.1	2733.4	2626.1	2518.5	2560.7	2603.2
2678.7	75°	2649.0	2619.4	2563.3	2507.2	2436.0	2364.8	2284.9	2204.9	2245.9	2286.5
2298.4	77.5°	2270.7	2243.0	2184.3	2125.3	2064.1	2002.9	1938.1	1873.0	1914.2	1955.5
1869.1	80°	1832.4	1795.7	1751.2	1706.4	1654.8	1603.3	1549.4	1495.3	1530.1	1564.6
1395.4	82.5°	1332.9	1270.4	1175.0	1079.6	1097.6	1115.7	1120.2	1124.7	1149.2	1173.7
886.2	85°	808.9	731.5	641.9	552.7	602.6	652.6	676.1	699.3	726.7	754.1
384.1	87.5°	352.9	321.6	283.9	246.5	284.9	322.9	323.9	324.8	330.0	335.2
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°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
8248.7	2.5°	8310.5	8386.9	8455.6	8526.5	8597.4	8671.5	8745.6	8819.1	8892.9	8962.2
8120.4	5°	8237.1	8370.8	8506.2	8649.6	8793.0	8946.4	9100.1	9252.5	9405.3	9558.4
8055.3	7.5°	8210.6	8383.7	8568.4	8768.5	8968.6	9195.8	9423.0	9656.3	9889.6	10142.0
8059.8	10°	8223.5	8409.5	8637.3	8874.5	9111.0	9387.2	9663.1	9971.2	10279.6	10598.9
8105.6	12.5°	8239.6	8412.7	8652.1	8919.9	9187.7	9513.2	9838.7	10188.1	10537.4	10888.0
8106.9	15°	8171.0	8309.6	8574.8	8884.8	9194.8	9569.6	9944.4	10323.4	10702.4	11068.2
7985.1	17.5°	7961.5	8046.9	8358.9	8731.7	9104.6	9539.7	9974.7	10388.2	10801.6	11172.6
7729.5	20°	7619.9	7642.5	8005.7	8467.8	8929.9	9457.2	9984.4	10438.8	10893.2	11278.9
7394.3	22.5°	7232.2	7188.1	7601.6	8158.1	8714.7	9356.0	9997.3	10507.1	11016.6	11410.7
7043.1	25°	6856.2	6736.9	7160.7	7812.3	8464.3	9256.1	10048.2	10630.8	11213.2	11598.9
6707.9	27.5°	6527.5	6382.4	6768.2	7496.2	8224.2	9189.4	10154.5	10824.2	11493.5	11861.9
6381.5	30°	6238.4	6124.6	6448.5	7231.9	8015.4	9158.1	10300.2	11074.6	11849.0	12204.5
6069.8	32.5°	5985.1	5934.5	6195.5	7004.1	7812.3	9119.4	10425.9	11336.0	12246.0	12597.9
5769.2	35°	5746.0	5766.9	5984.4	6780.1	7575.8	9046.6	10518.1	11633.7	12749.4	13086.8
5469.5	37.5°	5495.2	5571.9	5762.1	6516.5	7270.9	8921.9	10572.8	11967.3	13361.7	13791.6
5162.3	40°	5220.7	5338.3	5510.7	6202.0	6893.2	8750.1	10607.3	12390.7	14173.8	14800.3
4851.7	42.5°	4929.0	5077.3	5236.1	5854.9	6473.6	8572.9	10672.7	12944.7	15216.7	16120.9
4563.6	45°	4639.0	4782.4	4943.5	5486.2	6028.9	8408.2	10787.8	13673.7	16559.5	17779.3
4317.0	47.5°	4380.2	4503.6	4711.5	5194.6	5677.6	8272.2	10866.7	14450.3	18033.9	19750.9
4096.3	50°	4152.4	4295.8	4569.1	5000.9	5432.7	8124.0	10815.2	15170.9	19526.6	22115.0
3927.1	52.5°	3982.5	4183.0	4497.2	4873.3	5249.7	7873.6	10497.8	15638.8	20779.6	24598.4
3804.6	55°	3892.3	4194.3	4486.6	4780.8	5075.0	7458.5	9841.9	15535.7	21229.1	26800.1
3710.5	57.5°	3838.2	4205.5	4463.4	4671.2	4879.1	6873.2	8867.1	14810.0	20753.2	28360.5
3621.9	60°	3787.2	4170.1	4340.3	4503.6	4667.0	6113.3	7559.7	13459.4	19359.0	28750.5
3521.1	62.5°	3728.0	4083.1	4104.0	4212.3	4320.9	5203.9	6086.9	11633.1	17179.3	27108.5
3383.1	65°	3602.9	3873.6	3871.0	3922.3	3973.5	4385.7	4797.9	9769.8	14742.0	24785.3
3196.9	67.5°	3379.9	3532.0	3539.1	3510.7	3482.1	3599.4	3716.3	7944.5	12172.6	22020.6
2966.8	70°	3097.0	3146.9	3146.9	3014.5	2881.7	2848.5	2815.0	6255.1	9695.3	19003.9
2692.5	72.5°	2781.8	2781.1	2749.6	2561.7	2373.5	2272.3	2171.4	4782.1	7392.7	15733.6
2355.4	75°	2424.1	2436.3	2290.7	2079.9	1869.1	1777.6	1686.1	3470.8	5255.5	11984.7
2010.6	77.5°	2065.7	2072.2	1832.1	1627.4	1422.8	1360.3	1298.1	2351.9	3405.7	8388.2
1611.0	80°	1657.1	1658.0	1371.2	1198.2	1024.8	999.0	973.2	1515.3	2057.7	5404.4
1196.2	82.5°	1218.8	1205.3	960.3	832.7	705.1	700.0	695.4	932.0	1169.2	3127.9
778.3	85°	802.4	784.7	602.6	509.2	415.7	418.3	420.6	498.2	576.2	1407.0
344.8	87.5°	354.5	331.9	256.2	217.9	179.8	182.1	184.3	206.6	228.8	460.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
9031.4	2.5°	9065.6	9100.1	9148.8	9197.4	9226.4	9255.4	9269.9	9284.4	9278.0	9284.4
9711.4	5°	9831.0	9950.9	10069.5	10188.4	10252.8	10317.3	10356.3	10395.6	10425.2	10395.6
10394.6	7.5°	10589.3	10783.6	10958.6	11133.6	11239.0	11344.3	11401.4	11458.1	11485.5	11458.1
10918.3	10°	11148.4	11378.5	11583.8	11789.1	11913.5	12037.2	12092.6	12147.7	12168.7	12147.7
11239.0	12.5°	11488.4	11737.5	11923.1	12108.1	12198.3	12288.6	12318.9	12349.2	12352.4	12349.2
11433.9	15°	11649.2	11864.2	11980.5	12097.1	12100.4	12103.6	12071.4	12039.1	12001.1	12039.1
11543.5	17.5°	11688.8	11834.2	11836.4	11838.4	11707.9	11577.3	11457.8	11337.9	11253.5	11337.9
11664.3	20°	11714.9	11765.9	11612.8	11459.7	11171.6	10883.5	10673.7	10463.9	10335.0	10463.9
11804.5	22.5°	11738.1	11671.8	11354.7	11037.5	10613.8	10190.0	9927.7	9665.3	9522.9	9665.3
11985.0	25°	11775.5	11566.1	11084.6	10603.1	10088.5	9573.8	9298.0	9022.7	8888.0	9022.7
12229.9	27.5°	11855.4	11480.7	10842.9	10205.5	9635.1	9064.6	8793.3	8522.3	8395.0	8522.3
12560.2	30°	12001.8	11443.6	10658.6	9873.5	9279.3	8685.0	8433.3	8181.6	8063.0	8181.6
12950.2	32.5°	12185.4	11421.0	10532.9	9644.7	9086.2	8527.8	8330.2	8132.3	8046.9	8132.3
13423.9	35°	12488.1	11552.5	10627.0	9701.8	9313.8	8926.1	8880.0	8833.9	8826.8	8833.9
14221.5	37.5°	13120.7	12019.8	11178.7	10337.6	10312.4	10287.3	10498.1	10708.8	10818.4	10708.8
15426.8	40°	14229.6	13032.4	12406.8	11781.3	12222.8	12664.3	13176.7	13689.1	13944.4	13689.1
17025.2	42.5°	15837.3	14649.5	14289.2	13928.9	14891.8	15854.7	16786.7	17718.7	18265.9	17718.7
18999.1	45°	17932.1	16864.7	16705.8	16546.6	18089.3	19632.3	21163.7	22695.4	23625.2	22695.4
21467.6	47.5°	20429.6	19391.3	19359.0	19326.8	21552.4	23777.3	26019.3	28260.9	29577.4	28260.9
24703.2	50°	23420.9	22138.9	22144.4	22149.9	25018.0	27886.2	30845.5	33804.9	35594.1	33804.9
28417.2	52.5°	26864.6	25312.2	25155.3	24998.0	28424.0	31850.0	35511.6	39172.8	41317.5	39172.8
32371.4	55°	30837.4	29303.5	28691.5	28079.5	31892.5	35705.2	40070.3	44435.4	46986.1	44435.4
35967.9	57.5°	35132.6	34297.0	33069.4	31842.3	35692.4	39542.4	44486.6	49430.5	52593.5	49430.5
38141.6	60°	39439.0	40736.8	39212.4	37688.1	41331.7	44975.2	50268.7	55562.2	58980.8	55562.2
37037.8	62.5°	40583.0	44128.3	43956.5	43784.4	47122.1	50460.1	55496.4	60532.5	63692.3	60532.5
34828.7	65°	38156.1	41483.4	42141.8	42799.9	47041.5	51283.5	56167.1	61050.3	63740.6	61050.3
31868.7	67.5°	35033.3	38198.0	38506.7	38815.1	43234.6	47653.8	52558.4	57462.9	59570.5	57462.9
28312.5	70°	31754.6	35197.0	35335.0	35473.2	39425.5	43377.4	47598.1	51818.4	52989.9	51818.4
24074.7	72.5°	28024.7	31975.0	32074.3	32173.2	35265.4	38357.5	41518.6	44679.3	44797.9	44679.3
18713.9	75°	22802.1	26890.4	27257.4	27624.5	30030.2	32435.9	34661.1	36886.3	36290.2	36886.3
13370.7	77.5°	17187.0	21003.6	21528.8	22054.1	23883.0	25711.8	27290.0	28868.4	27843.6	28868.4
8751.1	80°	11961.8	15172.2	15825.1	16478.0	17859.2	19239.8	20068.7	20897.2	19248.8	20897.2
5086.9	82.5°	7281.9	9477.1	10206.4	10936.0	11886.7	12837.4	13183.2	13528.6	12233.1	13528.6
2238.1	85°	3403.1	4568.1	5188.5	5808.8	6590.0	7370.8	7567.1	7763.3	6725.7	7763.3
692.9	87.5°	1084.4	1476.0	1822.1	2168.2	2558.8	2949.4	2966.1	2982.6	2504.0	2982.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
9269.9	2.5°	9255.4	9226.4	9197.4	9148.8	9100.1	9065.6	9031.4
10356.3	5°	10317.3	10252.8	10188.4	10069.5	9950.9	9831.0	9711.4
11401.4	7.5°	11344.3	11239.0	11133.6	10958.6	10783.6	10589.3	10394.6
12092.6	10°	12037.2	11913.5	11789.1	11583.8	11378.5	11148.4	10918.3
12318.9	12.5°	12288.6	12198.3	12108.1	11923.1	11737.5	11488.4	11239.0
12071.4	15°	12103.6	12100.4	12097.1	11980.5	11864.2	11649.2	11433.9
11457.8	17.5°	11577.3	11707.9	11838.4	11836.4	11834.2	11688.8	11543.5
10673.7	20°	10883.5	11171.6	11459.7	11612.8	11765.9	11714.9	11664.3
9927.7	22.5°	10190.0	10613.8	11037.5	11354.7	11671.8	11738.1	11804.5
9298.0	25°	9573.8	10088.5	10603.1	11084.6	11566.1	11775.5	11985.0
8793.3	27.5°	9064.6	9635.1	10205.5	10842.9	11480.7	11855.4	12229.9
8433.3	30°	8685.0	9279.3	9873.5	10658.6	11443.6	12001.8	12560.2
8330.2	32.5°	8527.8	9086.2	9644.7	10532.9	11421.0	12185.4	12950.2
8880.0	35°	8926.1	9313.8	9701.8	10627.0	11552.5	12488.1	13423.9
10498.1	37.5°	10287.3	10312.4	10337.6	11178.7	12019.8	13120.7	14221.5
13176.7	40°	12664.3	12222.8	11781.3	12406.8	13032.4	14229.6	15426.8
16786.7	42.5°	15854.7	14891.8	13928.9	14289.2	14649.5	15837.3	17025.2
21163.7	45°	19632.3	18089.3	16546.6	16705.8	16864.7	17932.1	18999.1
26019.3	47.5°	23777.3	21552.4	19326.8	19359.0	19391.3	20429.6	21467.6
30845.5	50°	27886.2	25018.0	22149.9	22144.4	22138.9	23420.9	24703.2
35511.6	52.5°	31850.0	28424.0	24998.0	25155.3	25312.2	26864.6	28417.2
40070.3	55°	35705.2	31892.5	28079.5	28691.5	29303.5	30837.4	32371.4
44486.6	57.5°	39542.4	35692.4	31842.3	33069.4	34297.0	35132.6	35967.9
50268.7	60°	44975.2	41331.7	37688.1	39212.4	40736.8	39439.0	38141.6
55496.4	62.5°	50460.1	47122.1	43784.4	43956.5	44128.3	40583.0	37037.8
56167.1	65°	51283.5	47041.5	42799.9	42141.8	41483.4	38156.1	34828.7
52558.4	67.5°	47653.8	43234.6	38815.1	38506.7	38198.0	35033.3	31868.7
47598.1	70°	43377.4	39425.5	35473.2	35335.0	35197.0	31754.6	28312.5
41518.6	72.5°	38357.5	35265.4	32173.2	32074.3	31975.0	28024.7	24074.7
34661.1	75°	32435.9	30030.2	27624.5	27257.4	26890.4	22802.1	18713.9
27290.0	77.5°	25711.8	23883.0	22054.1	21528.8	21003.6	17187.0	13370.7
20068.7	80°	19239.8	17859.2	16478.0	15825.1	15172.2	11961.8	8751.1
13183.2	82.5°	12837.4	11886.7	10936.0	10206.4	9477.1	7281.9	5086.9
7567.1	85°	7370.8	6590.0	5808.8	5188.5	4568.1	3403.1	2238.1
2966.1	87.5°	2949.4	2558.8	2168.2	1822.1	1476.0	1084.4	692.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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