

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: P956684

Luminaire Tested: **GALN-SB9B-735-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956684
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-735-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51106 lumens
Efficiency: N/A
Efficacy: 155.1 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

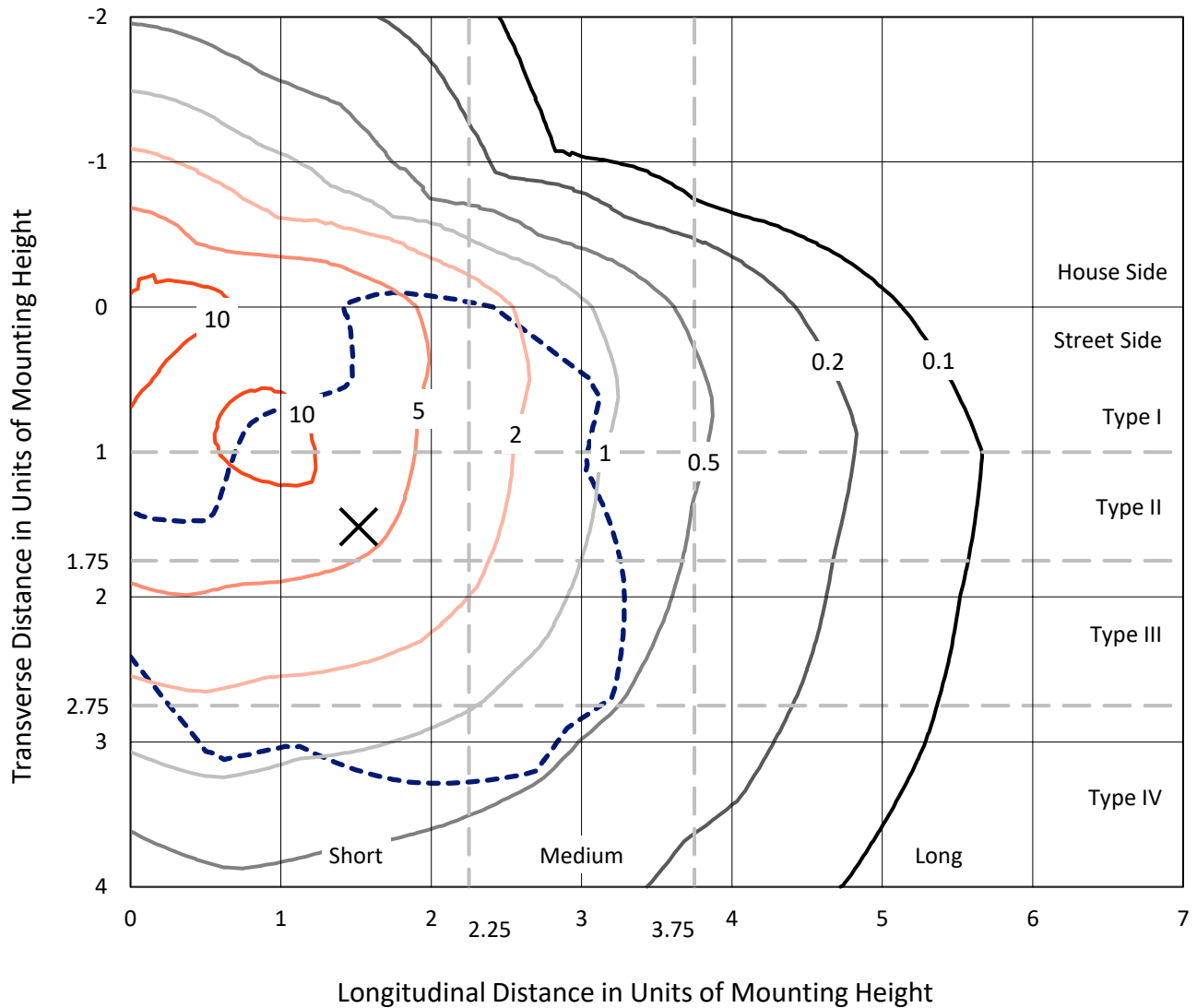
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

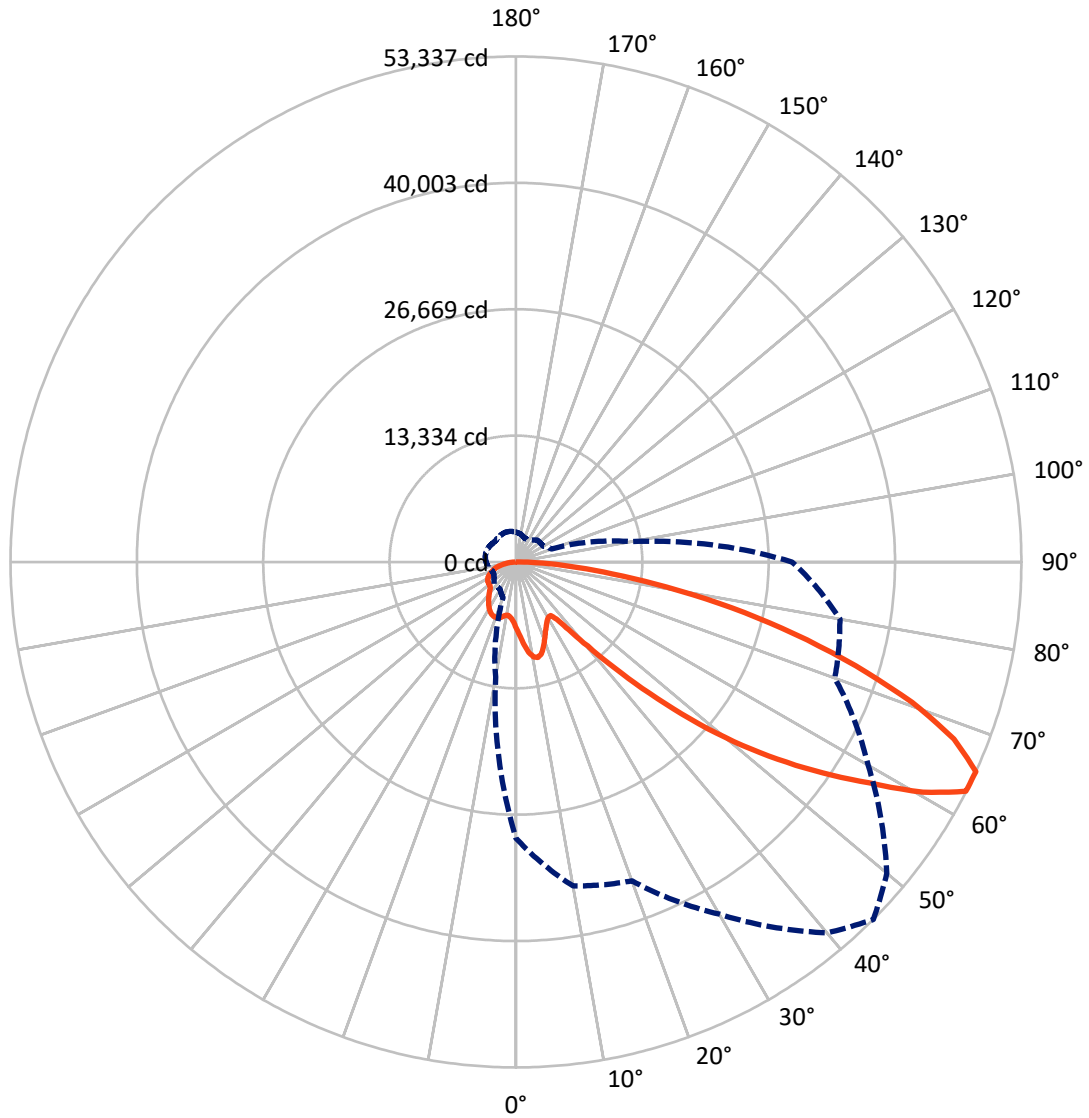
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12988.6	0.0	12988.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	38117.4	0.0	38117.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	51106.0	0.0	51106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.1	1.4
10°-20°	2188.4	4.3
20°-30°	3380.3	6.6
30°-40°	4283.7	8.4
40°-50°	6461.0	12.6
50°-60°	10438.7	20.4
60°-70°	13013.4	25.5
70°-80°	8533.6	16.7
80°-90°	2109.7	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°	51106.0	100.0
0°-180°	51106.0	100.0

Coefficient of Utilization



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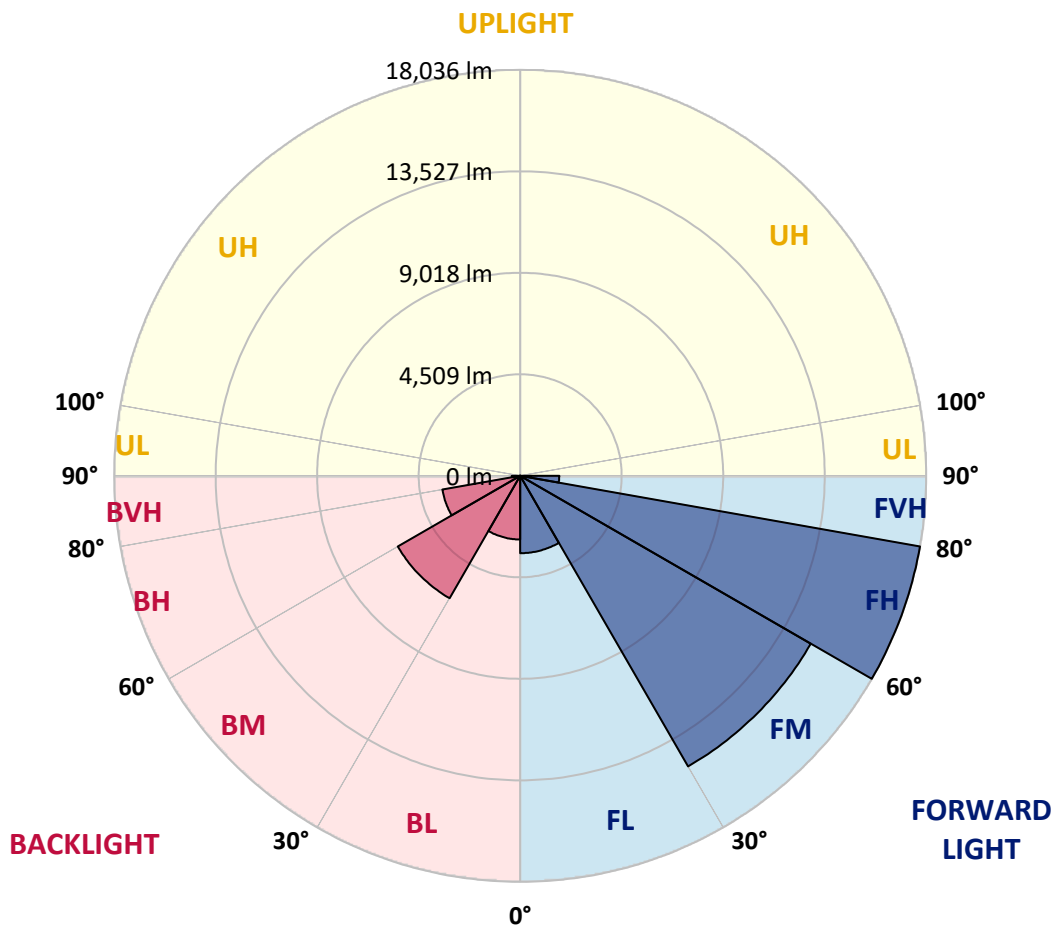
CATALOG NUMBER: GALN-SB9B-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3437.5	6.7			
FM (30°-60°)	14906.5	29.2			
FH (60°-80°)	18035.5	35.3			G5
FVH (80°-90°)	1737.9	3.4			G5
BL (0°-30°)	2828.4	5.5	B4/5000		
BM (30°-60°)	6276.9	12.3	B4/8500		
BH (60°-80°)	3511.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	371.8	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°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
2.5°	7557.4	7586.0	7614.8	7655.6	7696.3	7720.6	7744.8	7757.0	7769.1	7763.7
5°	8126.4	8226.5	8326.8	8426.0	8525.5	8579.4	8633.4	8666.0	8698.9	8723.7
7.5°	8698.1	8861.0	9023.6	9170.0	9316.4	9404.6	9492.8	9540.5	9588.0	9610.9
10°	9136.3	9328.9	9521.4	9693.2	9864.9	9969.0	10072.6	10119.0	10165.1	10182.6
12.5°	9404.6	9613.3	9821.8	9977.1	10131.9	10207.4	10282.9	10308.3	10333.6	10336.3
15°	9567.8	9747.9	9927.8	10025.1	10122.7	10125.4	10128.1	10101.2	10074.2	10042.4
17.5°	9659.5	9781.1	9902.7	9904.6	9906.2	9797.0	9687.8	9587.7	9487.4	9416.8
20°	9760.6	9802.9	9845.5	9717.4	9589.3	9348.3	9107.2	8931.6	8756.1	8648.2
22.5°	9877.9	9822.3	9766.8	9501.4	9236.1	8881.5	8526.9	8307.4	8087.8	7968.7
25°	10028.9	9853.6	9678.3	9275.5	8872.6	8441.9	8011.3	7780.4	7550.1	7437.4
27.5°	10233.9	9920.5	9606.9	9073.2	8539.8	8062.5	7585.2	7358.1	7131.3	7024.8
30°	10510.3	10042.9	9575.9	8919.0	8262.0	7764.8	7267.5	7056.9	6846.3	6747.1
32.5°	10836.6	10196.6	9557.0	8813.8	8070.6	7603.3	7135.9	6970.6	6805.0	6733.6
35°	11233.0	10449.9	9667.0	8892.5	8118.3	7793.6	7469.2	7430.7	7392.1	7386.2
37.5°	11900.4	10979.2	10058.0	9354.2	8650.4	8629.3	8608.3	8784.7	8961.0	9052.7
40°	12908.9	11907.1	10905.3	10381.9	9858.5	10227.9	10597.4	11026.1	11454.9	11668.5
42.5°	14246.5	13252.5	12258.5	11957.0	11655.5	12461.3	13267.1	14046.9	14826.8	15284.7
45°	15898.2	15005.3	14112.2	13979.3	13846.0	15136.9	16428.1	17709.6	18991.3	19769.3
47.5°	17963.8	17095.3	16226.4	16199.4	16172.5	18034.8	19896.6	21772.6	23648.4	24750.0
50°	20671.3	19598.3	18525.6	18530.1	18534.7	20934.8	23334.8	25811.2	28287.5	29784.7
52.5°	23779.2	22480.0	21181.0	21049.6	20918.0	23784.9	26651.7	29715.7	32779.3	34574.0
55°	27088.0	25804.4	24520.8	24008.7	23496.6	26687.3	29877.7	33530.4	37183.0	39317.4
57.5°	30097.5	29398.5	28699.3	27672.1	26645.2	29866.9	33088.6	37225.9	41362.8	44009.6
60°	31916.4	33002.1	34088.0	32812.5	31537.0	34585.8	37634.7	42064.2	46493.8	49354.4
62.5°	30992.8	33959.4	36926.0	36782.3	36638.3	39431.2	42224.4	46438.8	50652.9	53296.9
65°	29144.2	31928.5	34712.9	35263.8	35814.4	39363.8	42913.4	46999.9	51086.2	53337.4
67.5°	26667.3	29315.5	31963.6	32221.9	32480.0	36178.2	39876.2	43980.2	48084.3	49847.9
70°	23691.6	26571.9	29452.5	29567.9	29683.6	32990.8	36297.7	39829.5	43361.1	44341.3
72.5°	20145.5	23450.8	26756.3	26839.4	26922.2	29509.6	32097.1	34742.2	37387.1	37486.4
75°	15659.5	19080.5	22501.5	22808.7	23115.8	25128.9	27142.0	29004.0	30866.1	30367.2
77.5°	11188.5	14381.9	17575.5	18015.1	18454.6	19985.0	21515.4	22835.9	24156.7	23299.2
80°	7322.8	10009.5	12695.9	13242.3	13788.6	14944.4	16099.6	16793.2	17486.5	16107.2
82.5°	4256.7	6093.4	7930.4	8540.6	9151.1	9946.7	10742.2	11031.5	11320.6	10236.5
85°	1872.8	2847.7	3822.5	4341.6	4860.7	5514.4	6167.8	6332.0	6496.3	5627.9
87.5°	579.8	907.4	1235.1	1524.7	1814.3	2141.2	2468.0	2482.0	2495.8	2095.3
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°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
7769.1	2.5°	7757.0	7744.8	7720.6	7696.3	7655.6	7614.8	7586.0	7557.4	7499.4	7441.5
8698.9	5°	8666.0	8633.4	8579.4	8525.5	8426.0	8326.8	8226.5	8126.4	7998.3	7870.2
9588.0	7.5°	9540.5	9492.8	9404.6	9316.4	9170.0	9023.6	8861.0	8698.1	8486.7	8275.5
10165.1	10°	10119.0	10072.6	9969.0	9864.9	9693.2	9521.4	9328.9	9136.3	8869.1	8601.8
10333.6	12.5°	10308.3	10282.9	10207.4	10131.9	9977.1	9821.8	9613.3	9404.6	9111.0	8817.6
10074.2	15°	10101.2	10128.1	10125.4	10122.7	10025.1	9927.8	9747.9	9567.8	9261.7	8955.6
9487.4	17.5°	9587.7	9687.8	9797.0	9906.2	9904.6	9902.7	9781.1	9659.5	9349.1	9038.7
8756.1	20°	8931.6	9107.2	9348.3	9589.3	9717.4	9845.5	9802.9	9760.6	9438.1	9115.3
8087.8	22.5°	8307.4	8526.9	8881.5	9236.1	9501.4	9766.8	9822.3	9877.9	9548.4	9218.6
7550.1	25°	7780.4	8011.3	8441.9	8872.6	9275.5	9678.3	9853.6	10028.9	9705.8	9383.1
7131.3	27.5°	7358.1	7585.2	8062.5	8539.8	9073.2	9606.9	9920.5	10233.9	9925.9	9617.7
6846.3	30°	7056.9	7267.5	7764.8	8262.0	8919.0	9575.9	10042.9	10510.3	10212.5	9915.1
6805.0	32.5°	6970.6	7135.9	7603.3	8070.6	8813.8	9557.0	10196.6	10836.6	10541.8	10247.3
7392.1	35°	7430.7	7469.2	7793.6	8118.3	8892.5	9667.0	10449.9	11233.0	10950.9	10668.6
8961.0	37.5°	8784.7	8608.3	8629.3	8650.4	9354.2	10058.0	10979.2	11900.4	11540.7	11180.9
11454.9	40°	11026.1	10597.4	10227.9	9858.5	10381.9	10905.3	11907.1	12908.9	12384.7	11860.5
14826.8	42.5°	14046.9	13267.1	12461.3	11655.5	11957.0	12258.5	13252.5	14246.5	13489.8	12733.1
18991.3	45°	17709.6	16428.1	15136.9	13846.0	13979.3	14112.2	15005.3	15898.2	14877.5	13856.8
23648.4	47.5°	21772.6	19896.6	18034.8	16172.5	16199.4	16226.4	17095.3	17963.8	16527.3	15090.6
28287.5	50°	25811.2	23334.8	20934.8	18534.7	18530.1	18525.6	19598.3	20671.3	18505.6	16339.6
32779.3	52.5°	29715.7	26651.7	23784.9	20918.0	21049.6	21181.0	22480.0	23779.2	20583.7	17388.1
37183.0	55°	33530.4	29877.7	26687.3	23496.6	24008.7	24520.8	25804.4	27088.0	22426.0	17764.3
41362.8	57.5°	37225.9	33088.6	29866.9	26645.2	27672.1	28699.3	29398.5	30097.5	23731.8	17366.0
46493.8	60°	42064.2	37634.7	34585.8	31537.0	32812.5	34088.0	33002.1	31916.4	24058.0	16199.4
50652.9	62.5°	46438.8	42224.4	39431.2	36638.3	36782.3	36926.0	33959.4	30992.8	22684.1	14375.4
51086.2	65°	46999.9	42913.4	39363.8	35814.4	35263.8	34712.9	31928.5	29144.2	20740.1	12335.9
48084.3	67.5°	43980.2	39876.2	36178.2	32480.0	32221.9	31963.6	29315.5	26667.3	18426.6	10185.9
43361.1	70°	39829.5	36297.7	32990.8	29683.6	29567.9	29452.5	26571.9	23691.6	15902.2	8112.9
37387.1	72.5°	34742.2	32097.1	29509.6	26922.2	26839.4	26756.3	23450.8	20145.5	13165.7	6186.2
30866.1	75°	29004.0	27142.0	25128.9	23115.8	22808.7	22501.5	19080.5	15659.5	10028.6	4397.7
24156.7	77.5°	22835.9	21515.4	19985.0	18454.6	18015.1	17575.5	14381.9	11188.5	7019.2	2849.8
17486.5	80°	16793.2	16099.6	14944.4	13788.6	13242.3	12695.9	10009.5	7322.8	4522.3	1721.8
11320.6	82.5°	11031.5	10742.2	9946.7	9151.1	8540.6	7930.4	6093.4	4256.7	2617.4	978.4
6496.3	85°	6332.0	6167.8	5514.4	4860.7	4341.6	3822.5	2847.7	1872.8	1177.4	482.2
2495.8	87.5°	2482.0	2468.0	2141.2	1814.3	1524.7	1235.1	907.4	579.8	385.6	191.5
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°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
7379.7	2.5°	7318.2	7256.2	7194.2	7134.8	7075.5	7018.1	6954.2	6902.4	6850.9	6804.2
7742.4	5°	7614.8	7486.2	7357.9	7237.9	7117.9	7004.6	6892.7	6795.1	6697.2	6615.2
8080.3	7.5°	7885.1	7694.9	7504.8	7337.4	7169.9	7015.4	6870.6	6740.6	6610.9	6503.0
8343.8	10°	8086.0	7855.1	7624.0	7426.1	7227.6	7037.0	6881.4	6744.4	6607.4	6499.5
8525.2	12.5°	8232.9	7960.6	7688.2	7464.1	7240.0	7039.7	6894.8	6782.7	6671.0	6599.3
8638.5	15°	8321.4	8007.8	7694.1	7434.7	7175.3	6953.4	6837.4	6783.7	6730.3	6740.1
8692.7	17.5°	8346.7	7982.7	7618.6	7306.6	6994.6	6733.6	6662.1	6681.8	6701.2	6818.8
8735.0	20°	8354.8	7913.6	7472.5	7085.8	6699.1	6395.1	6376.3	6468.0	6559.6	6763.8
8792.2	22.5°	8365.6	7829.0	7292.3	6826.6	6360.9	6014.9	6051.9	6187.5	6323.1	6556.1
8895.8	25°	8408.2	7745.4	7082.8	6537.3	5992.0	5637.4	5737.2	5893.6	6050.0	6259.5
9057.6	27.5°	8497.2	7689.5	6881.9	6272.7	5663.5	5340.7	5462.1	5613.1	5764.1	5936.4
9267.1	30°	8619.1	7663.4	6707.2	6051.6	5396.0	5125.0	5220.2	5339.9	5460.2	5603.1
9485.8	32.5°	8724.3	7631.0	6537.3	5860.9	5184.3	4965.9	5008.3	5079.2	5150.1	5264.2
9735.0	35°	8801.4	7570.1	6339.3	5673.5	5007.7	4825.7	4808.2	4827.6	4847.3	4934.4
10014.1	37.5°	8847.2	7465.7	6084.2	5452.9	4821.6	4662.5	4598.4	4576.8	4555.2	4617.8
10368.4	40°	8876.1	7322.0	5768.2	5189.7	4611.3	4467.0	4368.6	4319.8	4271.0	4316.0
10832.0	42.5°	8930.8	7173.7	5417.1	4899.3	4381.5	4248.6	4124.6	4059.8	3995.1	4031.8
11442.0	45°	9027.1	7035.9	5044.9	4590.8	4136.7	4001.9	3881.9	3818.8	3755.9	3786.7
12091.9	47.5°	9093.2	6922.1	4751.0	4346.8	3942.5	3768.6	3665.3	3612.5	3559.6	3588.7
12694.8	50°	9050.0	6798.0	4546.0	4184.7	3823.3	3594.7	3474.7	3427.7	3381.1	3426.4
13086.4	52.5°	8784.4	6588.5	4392.9	4077.9	3763.2	3500.3	3332.5	3286.2	3240.0	3308.3
13000.1	55°	8235.6	6241.2	4246.7	4000.5	3754.3	3509.7	3257.0	3183.7	3110.6	3207.4
12392.8	57.5°	7419.9	5751.5	4082.8	3908.8	3734.9	3519.2	3211.7	3104.9	2998.2	3102.2
11262.6	60°	6325.8	5115.6	3905.3	3768.6	3631.9	3489.5	3169.1	3030.8	2892.2	2983.6
9734.4	62.5°	5093.5	4354.6	3615.7	3524.8	3434.2	3416.7	3119.5	2946.4	2773.5	2831.5
8175.2	65°	4014.8	3669.9	3325.0	3282.1	3239.2	3241.4	3014.9	2831.0	2646.8	2669.2
6647.8	67.5°	3109.8	3011.9	2913.7	2937.7	2961.5	2955.5	2828.3	2675.1	2521.9	2514.9
5234.2	70°	2355.5	2383.6	2411.4	2522.5	2633.3	2633.3	2591.5	2482.6	2373.6	2349.3
4001.6	72.5°	1817.0	1901.4	1986.1	2143.6	2300.8	2327.2	2327.8	2253.1	2178.4	2142.8
2904.3	75°	1410.9	1487.5	1564.1	1740.4	1916.8	2038.7	2028.4	1971.0	1913.3	1879.3
1968.0	77.5°	1086.2	1138.3	1190.6	1361.8	1533.1	1734.0	1728.6	1682.5	1636.3	1601.8
1268.0	80°	814.4	836.0	857.5	1002.6	1147.4	1387.4	1386.6	1348.1	1309.2	1280.4
779.9	82.5°	581.9	585.7	590.0	696.8	803.6	1008.6	1019.9	1001.0	982.1	961.6
416.9	85°	351.9	350.0	347.9	426.1	504.3	656.6	671.5	651.2	631.0	608.1
172.9	87.5°	154.2	152.4	150.5	182.3	214.4	277.8	296.6	288.5	280.5	276.1
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°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
6757.8	2.5°	6717.1	6676.4	6635.4	6594.7	6563.1	6531.3	6505.7	6480.1	6460.1	6440.2
6533.5	5°	6461.2	6388.9	6323.4	6257.6	6207.2	6156.5	6121.2	6085.8	6060.8	6035.7
6395.1	7.5°	6304.3	6213.1	6132.8	6052.7	5992.5	5932.7	5890.6	5848.5	5819.7	5791.1
6391.6	10°	6293.8	6195.6	6105.3	6014.9	5943.2	5871.2	5824.3	5776.8	5749.6	5722.3
6528.1	12.5°	6451.0	6374.4	6280.8	6187.5	6095.8	6004.1	5943.5	5882.8	5852.3	5822.1
6749.8	15°	6729.8	6709.8	6628.7	6547.5	6417.0	6286.5	6194.2	6102.0	6059.7	6017.6
6936.4	17.5°	6998.9	7061.2	6995.7	6930.4	6757.6	6584.7	6448.8	6312.9	6250.3	6187.5
6968.2	20°	7099.0	7229.8	7199.6	7169.1	6971.4	6774.0	6607.4	6441.0	6360.9	6280.5
6789.7	22.5°	6959.8	7130.0	7148.3	7166.4	6977.6	6788.9	6617.4	6445.6	6361.2	6276.5
6469.3	25°	6636.8	6804.2	6866.8	6929.1	6774.3	6619.8	6467.1	6315.1	6241.7	6168.6
6108.5	27.5°	6242.8	6377.1	6446.7	6516.5	6406.2	6296.2	6177.8	6059.4	6010.3	5961.0
5746.1	30°	5857.4	5969.1	6025.7	6082.3	5998.5	5914.3	5829.7	5744.4	5719.4	5694.0
5378.5	32.5°	5485.3	5592.3	5655.2	5718.3	5641.2	5563.8	5496.1	5428.4	5411.9	5395.5
5021.2	35°	5126.9	5232.9	5308.4	5383.9	5328.9	5274.1	5211.6	5149.3	5124.2	5099.4
4680.1	37.5°	4785.5	4891.2	4984.5	5077.8	5052.5	5027.1	4969.7	4912.0	4866.4	4821.1
4361.1	40°	4463.0	4564.9	4672.2	4779.8	4786.0	4792.0	4743.2	4694.4	4628.0	4562.2
4068.7	42.5°	4165.3	4262.1	4378.0	4494.0	4525.0	4556.0	4514.8	4473.8	4391.5	4309.3
3817.9	45°	3909.6	4001.3	4121.6	4241.9	4286.4	4330.8	4293.6	4256.7	4162.6	4068.7
3617.6	47.5°	3707.4	3796.9	3915.6	4034.2	4085.5	4136.7	4110.8	4084.9	4001.3	3917.7
3472.0	50°	3556.6	3641.0	3747.3	3853.5	3919.3	3985.1	3983.5	3982.4	3915.6	3848.7
3376.2	52.5°	3453.9	3531.3	3630.3	3729.5	3807.4	3885.4	3899.4	3913.4	3858.9	3804.5
3304.0	55°	3387.6	3471.2	3558.0	3644.5	3727.1	3809.9	3829.3	3848.7	3801.2	3753.8
3206.3	57.5°	3304.5	3402.7	3488.4	3574.4	3657.8	3740.8	3760.5	3780.2	3732.2	3684.2
3074.7	60°	3187.5	3300.2	3387.3	3474.7	3558.3	3641.8	3663.4	3685.0	3638.1	3591.4
2889.5	62.5°	3020.8	3152.4	3245.4	3338.5	3415.1	3491.6	3512.4	3533.2	3490.8	3448.5
2691.3	65°	2832.0	2973.1	3062.1	3151.1	3218.5	3285.9	3307.2	3328.2	3287.5	3246.8
2507.9	67.5°	2637.9	2768.1	2852.5	2936.7	2994.9	3053.2	3073.9	3094.4	3056.9	3019.7
2325.1	70°	2439.4	2553.7	2626.6	2699.4	2751.9	2804.5	2824.5	2844.4	2814.0	2783.5
2107.4	72.5°	2197.5	2287.3	2353.1	2418.9	2470.4	2521.9	2545.7	2569.4	2544.0	2518.7
1845.1	75°	1911.9	1978.8	2038.4	2098.0	2144.9	2191.9	2216.7	2241.5	2229.1	2216.7
1567.3	77.5°	1621.8	1676.0	1727.2	1778.5	1827.8	1876.9	1900.1	1923.3	1906.0	1888.2
1251.3	80°	1296.6	1341.6	1384.7	1427.9	1465.4	1502.6	1533.3	1564.1	1556.5	1549.2
941.1	82.5°	937.4	933.6	918.5	903.4	983.2	1063.0	1115.3	1167.7	1164.4	1160.9
585.2	85°	565.8	546.1	504.3	462.5	537.2	612.1	676.9	741.6	736.2	730.8
271.8	87.5°	271.0	270.2	238.4	206.3	237.6	269.1	295.3	321.4	315.0	308.0
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°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
6421.8	2.5°	6403.2	6380.3	6403.2	6421.8	6440.2	6460.1	6480.1	6505.7	6531.3	6563.1
6016.5	5°	5997.4	5978.5	5997.4	6016.5	6035.7	6060.8	6085.8	6121.2	6156.5	6207.2
5773.8	7.5°	5756.8	5743.9	5756.8	5773.8	5791.1	5819.7	5848.5	5890.6	5932.7	5992.5
5707.8	10°	5693.2	5687.3	5693.2	5707.8	5722.3	5749.6	5776.8	5824.3	5871.2	5943.2
5809.7	12.5°	5797.3	5795.1	5797.3	5809.7	5822.1	5852.3	5882.8	5943.5	6004.1	6095.8
6001.4	15°	5985.3	5983.9	5985.3	6001.4	6017.6	6059.7	6102.0	6194.2	6286.5	6417.0
6167.0	17.5°	6146.2	6143.0	6146.2	6167.0	6187.5	6250.3	6312.9	6448.8	6584.7	6757.6
6254.9	20°	6229.3	6221.2	6229.3	6254.9	6280.5	6360.9	6441.0	6607.4	6774.0	6971.4
6248.2	22.5°	6219.9	6207.7	6219.9	6248.2	6276.5	6361.2	6445.6	6617.4	6788.9	6977.6
6141.9	25°	6115.5	6099.9	6115.5	6141.9	6168.6	6241.7	6315.1	6467.1	6619.8	6774.3
5948.8	27.5°	5936.7	5932.7	5936.7	5948.8	5961.0	6010.3	6059.4	6177.8	6296.2	6406.2
5694.0	30°	5694.0	5698.1	5694.0	5694.0	5694.0	5719.4	5744.4	5829.7	5914.3	5998.5
5397.6	32.5°	5400.1	5404.1	5400.1	5397.6	5395.5	5411.9	5428.4	5496.1	5563.8	5641.2
5094.0	35°	5088.6	5085.9	5088.6	5094.0	5099.4	5124.2	5149.3	5211.6	5274.1	5328.9
4797.1	37.5°	4773.1	4759.6	4773.1	4797.1	4821.1	4866.4	4912.0	4969.7	5027.1	5052.5
4517.5	40°	4473.2	4446.8	4473.2	4517.5	4562.2	4628.0	4694.4	4743.2	4792.0	4786.0
4244.3	42.5°	4179.3	4136.7	4179.3	4244.3	4309.3	4391.5	4473.8	4514.8	4556.0	4525.0
3992.4	45°	3916.1	3867.0	3916.1	3992.4	4068.7	4162.6	4256.7	4293.6	4330.8	4286.4
3847.1	47.5°	3776.7	3729.5	3776.7	3847.1	3917.7	4001.3	4084.9	4110.8	4136.7	4085.5
3783.4	50°	3718.2	3672.9	3718.2	3783.4	3848.7	3915.6	3982.4	3983.5	3985.1	3919.3
3745.9	52.5°	3687.7	3645.9	3687.7	3745.9	3804.5	3858.9	3913.4	3899.4	3885.4	3807.4
3702.5	55°	3651.3	3613.5	3651.3	3702.5	3753.8	3801.2	3848.7	3829.3	3809.9	3727.1
3633.5	57.5°	3582.5	3543.4	3582.5	3633.5	3684.2	3732.2	3780.2	3760.5	3740.8	3657.8
3539.1	60°	3486.8	3446.3	3486.8	3539.1	3591.4	3638.1	3685.0	3663.4	3641.8	3558.3
3393.5	62.5°	3338.5	3289.9	3338.5	3393.5	3448.5	3490.8	3533.2	3512.4	3491.6	3415.1
3193.4	65°	3140.3	3098.5	3140.3	3193.4	3246.8	3287.5	3328.2	3307.2	3285.9	3218.5
2970.1	67.5°	2920.5	2882.7	2920.5	2970.1	3019.7	3056.9	3094.4	3073.9	3053.2	2994.9
2736.0	70°	2688.6	2645.4	2688.6	2736.0	2783.5	2814.0	2844.4	2824.5	2804.5	2751.9
2473.4	72.5°	2428.3	2386.6	2428.3	2473.4	2518.7	2544.0	2569.4	2545.7	2521.9	2470.4
2178.6	75°	2140.6	2100.7	2140.6	2178.6	2216.7	2229.1	2241.5	2216.7	2191.9	2144.9
1849.9	77.5°	1811.6	1779.8	1811.6	1849.9	1888.2	1906.0	1923.3	1900.1	1876.9	1827.8
1497.7	80°	1446.0	1386.1	1446.0	1497.7	1549.2	1556.5	1564.1	1533.3	1502.6	1465.4
1117.5	82.5°	1073.8	1035.5	1073.8	1117.5	1160.9	1164.4	1167.7	1115.3	1063.0	983.2
696.8	85°	662.8	628.3	662.8	696.8	730.8	736.2	741.6	676.9	612.1	537.2
290.7	87.5°	272.9	256.2	272.9	290.7	308.0	315.0	321.4	295.3	269.1	237.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
6594.7	2.5°	6635.4	6676.4	6717.1	6757.8	6804.2	6850.9	6902.4	6954.2	7018.1	7075.5
6257.6	5°	6323.4	6388.9	6461.2	6533.5	6615.2	6697.2	6795.1	6892.7	7004.6	7117.9
6052.7	7.5°	6132.8	6213.1	6304.3	6395.1	6503.0	6610.9	6740.6	6870.6	7015.4	7169.9
6014.9	10°	6105.3	6195.6	6293.8	6391.6	6499.5	6607.4	6744.4	6881.4	7037.0	7227.6
6187.5	12.5°	6280.8	6374.4	6451.0	6528.1	6599.3	6671.0	6782.7	6894.8	7039.7	7240.0
6547.5	15°	6628.7	6709.8	6729.8	6749.8	6740.1	6730.3	6783.7	6837.4	6953.4	7175.3
6930.4	17.5°	6995.7	7061.2	6998.9	6936.4	6818.8	6701.2	6681.8	6662.1	6733.6	6994.6
7169.1	20°	7199.6	7229.8	7099.0	6968.2	6763.8	6559.6	6468.0	6376.3	6395.1	6699.1
7166.4	22.5°	7148.3	7130.0	6959.8	6789.7	6556.1	6323.1	6187.5	6051.9	6014.9	6360.9
6929.1	25°	6866.8	6804.2	6636.8	6469.3	6259.5	6050.0	5893.6	5737.2	5637.4	5992.0
6516.5	27.5°	6446.7	6377.1	6242.8	6108.5	5936.4	5764.1	5613.1	5462.1	5340.7	5663.5
6082.3	30°	6025.7	5969.1	5857.4	5746.1	5603.1	5460.2	5339.9	5220.2	5125.0	5396.0
5718.3	32.5°	5655.2	5592.3	5485.3	5378.5	5264.2	5150.1	5079.2	5008.3	4965.9	5184.3
5383.9	35°	5308.4	5232.9	5126.9	5021.2	4934.4	4847.3	4827.6	4808.2	4825.7	5007.7
5077.8	37.5°	4984.5	4891.2	4785.5	4680.1	4617.8	4555.2	4576.8	4598.4	4662.5	4821.6
4779.8	40°	4672.2	4564.9	4463.0	4361.1	4316.0	4271.0	4319.8	4368.6	4467.0	4611.3
4494.0	42.5°	4378.0	4262.1	4165.3	4068.7	4031.8	3995.1	4059.8	4124.6	4248.6	4381.5
4241.9	45°	4121.6	4001.3	3909.6	3817.9	3786.7	3755.9	3818.8	3881.9	4001.9	4136.7
4034.2	47.5°	3915.6	3796.9	3707.4	3617.6	3588.7	3559.6	3612.5	3665.3	3768.6	3942.5
3853.5	50°	3747.3	3641.0	3556.6	3472.0	3426.4	3381.1	3427.7	3474.7	3594.7	3823.3
3729.5	52.5°	3630.3	3531.3	3453.9	3376.2	3308.3	3240.0	3286.2	3332.5	3500.3	3763.2
3644.5	55°	3558.0	3471.2	3387.6	3304.0	3207.4	3110.6	3183.7	3257.0	3509.7	3754.3
3574.4	57.5°	3488.4	3402.7	3304.5	3206.3	3102.2	2998.2	3104.9	3211.7	3519.2	3734.9
3474.7	60°	3387.3	3300.2	3187.5	3074.7	2983.6	2892.2	3030.8	3169.1	3489.5	3631.9
3338.5	62.5°	3245.4	3152.4	3020.8	2889.5	2831.5	2773.5	2946.4	3119.5	3416.7	3434.2
3151.1	65°	3062.1	2973.1	2832.0	2691.3	2669.2	2646.8	2831.0	3014.9	3241.4	3239.2
2936.7	67.5°	2852.5	2768.1	2637.9	2507.9	2514.9	2521.9	2675.1	2828.3	2955.5	2961.5
2699.4	70°	2626.6	2553.7	2439.4	2325.1	2349.3	2373.6	2482.6	2591.5	2633.3	2633.3
2418.9	72.5°	2353.1	2287.3	2197.5	2107.4	2142.8	2178.4	2253.1	2327.8	2327.2	2300.8
2098.0	75°	2038.4	1978.8	1911.9	1845.1	1879.3	1913.3	1971.0	2028.4	2038.7	1916.8
1778.5	77.5°	1727.2	1676.0	1621.8	1567.3	1601.8	1636.3	1682.5	1728.6	1734.0	1533.1
1427.9	80°	1384.7	1341.6	1296.6	1251.3	1280.4	1309.2	1348.1	1386.6	1387.4	1147.4
903.4	82.5°	918.5	933.6	937.4	941.1	961.6	982.1	1001.0	1019.9	1008.6	803.6
462.5	85°	504.3	546.1	565.8	585.2	608.1	631.0	651.2	671.5	656.6	504.3
206.3	87.5°	238.4	270.2	271.0	271.8	276.1	280.5	288.5	296.6	277.8	214.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
7027.5	0°	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5	7027.5
7134.8	2.5°	7194.2	7256.2	7318.2	7379.7	7441.5	7499.4	7557.4
7237.9	5°	7357.9	7486.2	7614.8	7742.4	7870.2	7998.3	8126.4
7337.4	7.5°	7504.8	7694.9	7885.1	8080.3	8275.5	8486.7	8698.1
7426.1	10°	7624.0	7855.1	8086.0	8343.8	8601.8	8869.1	9136.3
7464.1	12.5°	7688.2	7960.6	8232.9	8525.2	8817.6	9111.0	9404.6
7434.7	15°	7694.1	8007.8	8321.4	8638.5	8955.6	9261.7	9567.8
7306.6	17.5°	7618.6	7982.7	8346.7	8692.7	9038.7	9349.1	9659.5
7085.8	20°	7472.5	7913.6	8354.8	8735.0	9115.3	9438.1	9760.6
6826.6	22.5°	7292.3	7829.0	8365.6	8792.2	9218.6	9548.4	9877.9
6537.3	25°	7082.8	7745.4	8408.2	8895.8	9383.1	9705.8	10028.9
6272.7	27.5°	6881.9	7689.5	8497.2	9057.6	9617.7	9925.9	10233.9
6051.6	30°	6707.2	7663.4	8619.1	9267.1	9915.1	10212.5	10510.3
5860.9	32.5°	6537.3	7631.0	8724.3	9485.8	10247.3	10541.8	10836.6
5673.5	35°	6339.3	7570.1	8801.4	9735.0	10668.6	10950.9	11233.0
5452.9	37.5°	6084.2	7465.7	8847.2	10014.1	11180.9	11540.7	11900.4
5189.7	40°	5768.2	7322.0	8876.1	10368.4	11860.5	12384.7	12908.9
4899.3	42.5°	5417.1	7173.7	8930.8	10832.0	12733.1	13489.8	14246.5
4590.8	45°	5044.9	7035.9	9027.1	11442.0	13856.8	14877.5	15898.2
4346.8	47.5°	4751.0	6922.1	9093.2	12091.9	15090.6	16527.3	17963.8
4184.7	50°	4546.0	6798.0	9050.0	12694.8	16339.6	18505.6	20671.3
4077.9	52.5°	4392.9	6588.5	8784.4	13086.4	17388.1	20583.7	23779.2
4000.5	55°	4246.7	6241.2	8235.6	13000.1	17764.3	22426.0	27088.0
3908.8	57.5°	4082.8	5751.5	7419.9	12392.8	17366.0	23731.8	30097.5
3768.6	60°	3905.3	5115.6	6325.8	11262.6	16199.4	24058.0	31916.4
3524.8	62.5°	3615.7	4354.6	5093.5	9734.4	14375.4	22684.1	30992.8
3282.1	65°	3325.0	3669.9	4014.8	8175.2	12335.9	20740.1	29144.2
2937.7	67.5°	2913.7	3011.9	3109.8	6647.8	10185.9	18426.6	26667.3
2522.5	70°	2411.4	2383.6	2355.5	5234.2	8112.9	15902.2	23691.6
2143.6	72.5°	1986.1	1901.4	1817.0	4001.6	6186.2	13165.7	20145.5
1740.4	75°	1564.1	1487.5	1410.9	2904.3	4397.7	10028.6	15659.5
1361.8	77.5°	1190.6	1138.3	1086.2	1968.0	2849.8	7019.2	11188.5
1002.6	80°	857.5	836.0	814.4	1268.0	1721.8	4522.3	7322.8
696.8	82.5°	590.0	585.7	581.9	779.9	978.4	2617.4	4256.7
426.1	85°	347.9	350.0	351.9	416.9	482.2	1177.4	1872.8
182.3	87.5°	150.5	152.4	154.2	172.9	191.5	385.6	579.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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