

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: P955781

Luminaire Tested: **GALN-SB8C-850-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955781
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-SB8C-850-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57718 lumens
Efficiency: N/A
Efficacy: 144.4 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

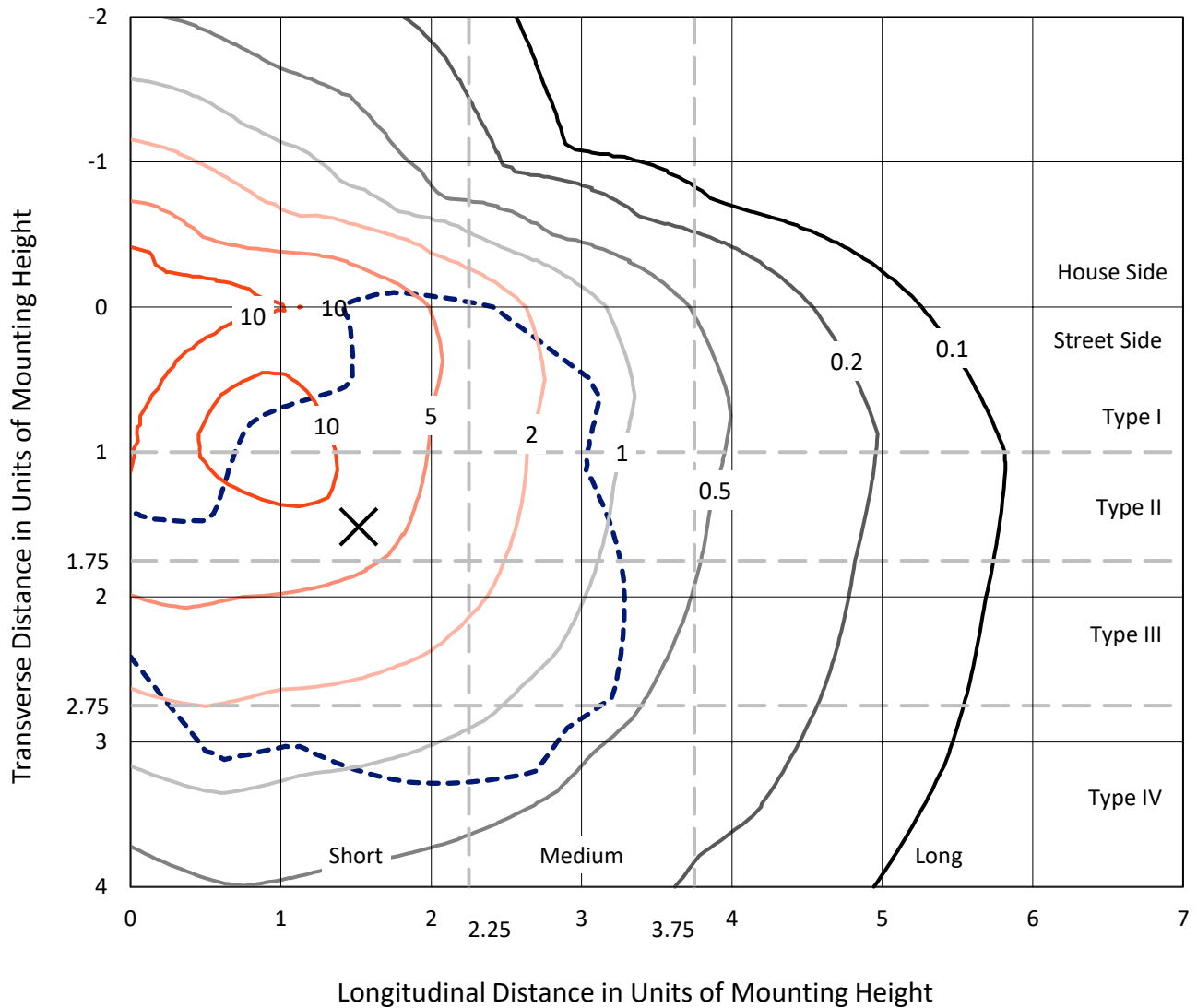
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

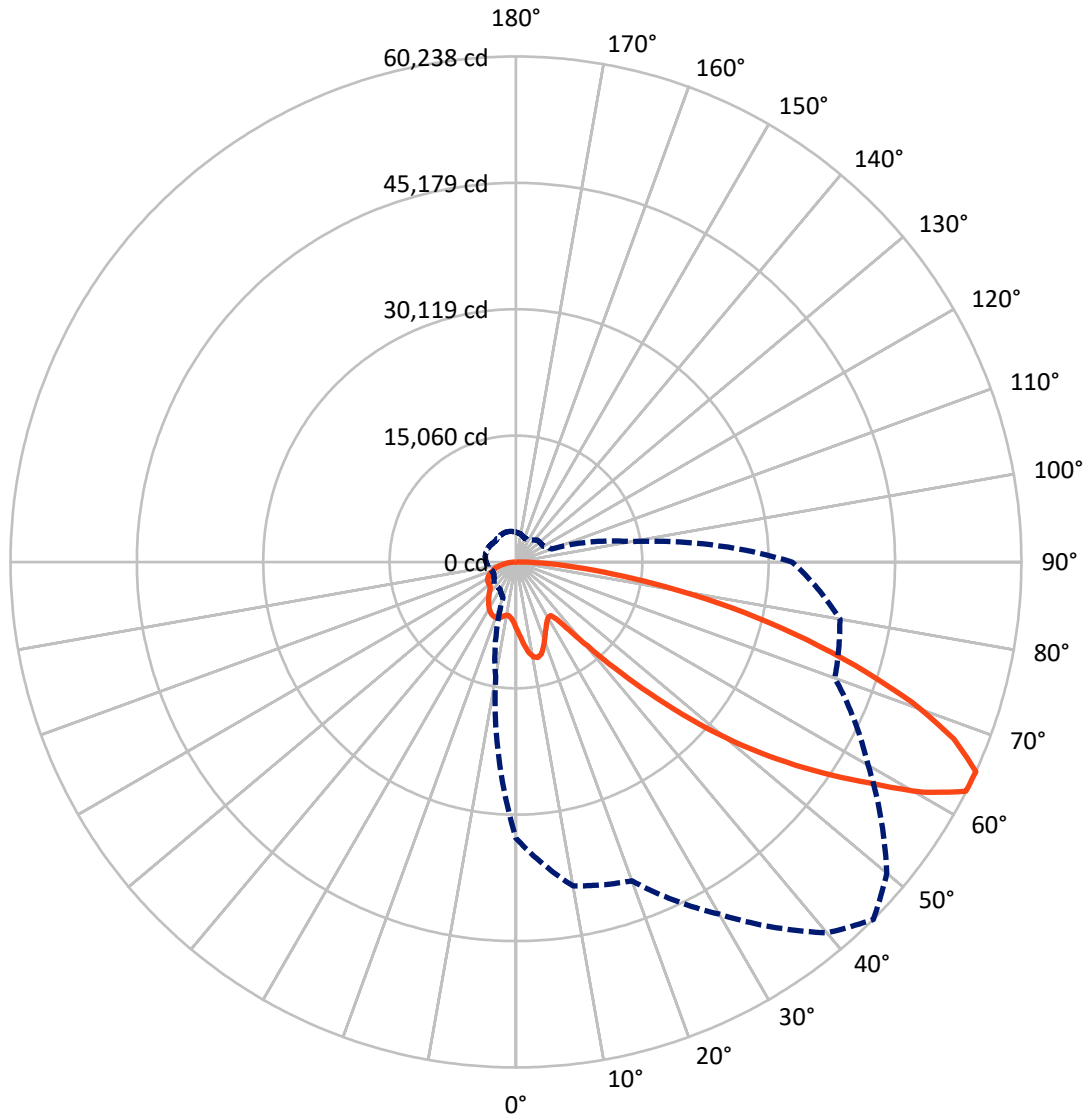
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 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	14669.0	0.0	14669.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	43049.0	0.0	43049.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	57718.0	0.0	57718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.3	1.4
10°-20°	2471.6	4.3
20°-30°	3817.7	6.6
30°-40°	4838.0	8.4
40°-50°	7296.9	12.6
50°-60°	11789.2	20.4
60°-70°	14697.1	25.5
70°-80°	9637.6	16.7
80°-90°	2382.7	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°	57718.0	100.0
0°-180°	57718.0	100.0

Coefficient of Utilization



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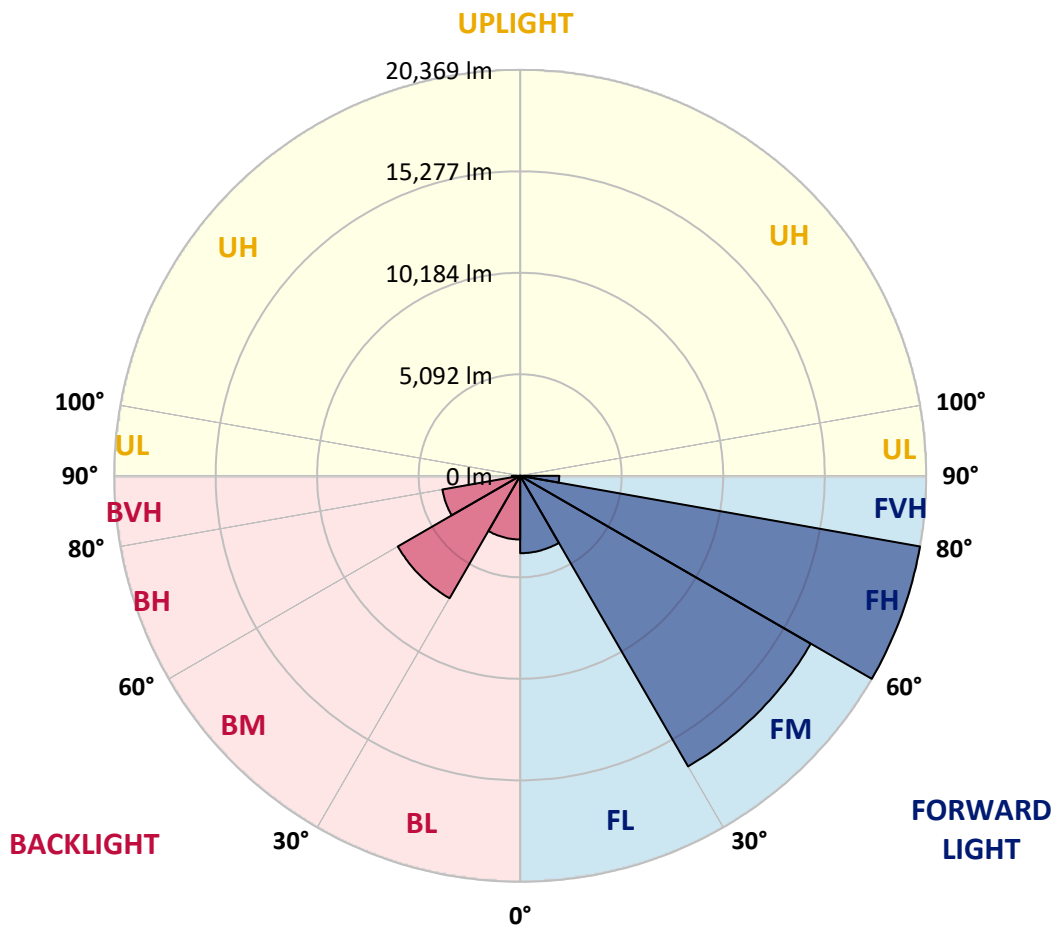
CATALOG NUMBER: GALN-SB8C-850-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3882.2	6.7			
FM (30°-60°)	16835.1	29.2			
FH (60°-80°)	20368.9	35.3			G5
FVH (80°-90°)	1962.8	3.4			G5
BL (0°-30°)	3194.4	5.5	B4/5000		
BM (30°-60°)	7089.0	12.3	B4/8500		
BH (60°-80°)	3965.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	419.9	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°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
2.5°	8535.2	8567.5	8600.0	8646.0	8692.0	8719.4	8746.8	8760.5	8774.3	8768.2
5°	9177.8	9290.8	9404.1	9516.1	9628.5	9689.4	9750.4	9787.2	9824.4	9852.4
7.5°	9823.4	10007.4	10191.0	10356.4	10521.8	10621.4	10721.0	10774.9	10828.5	10854.4
10°	10318.3	10535.8	10753.3	10947.3	11141.3	11258.8	11375.8	11428.1	11480.2	11500.0
12.5°	10621.4	10857.1	11092.5	11268.0	11442.8	11528.0	11613.3	11641.9	11670.6	11673.6
15°	10805.6	11009.1	11212.2	11322.2	11432.4	11435.5	11438.5	11408.0	11377.6	11341.7
17.5°	10909.2	11046.5	11183.9	11186.0	11187.9	11064.5	10941.2	10828.2	10714.9	10635.1
20°	11023.4	11071.2	11119.3	10974.7	10830.0	10557.7	10285.5	10087.2	9888.9	9767.1
22.5°	11155.9	11093.1	11030.4	10730.7	10431.0	10030.5	9630.1	9382.1	9134.2	8999.6
25°	11326.4	11128.5	10930.5	10475.5	10020.5	9534.1	9047.7	8787.0	8527.0	8399.6
27.5°	11557.9	11204.0	10849.8	10247.1	9644.7	9105.6	8566.5	8310.1	8054.0	7933.7
30°	11870.1	11342.3	10814.8	10072.9	9331.0	8769.4	8207.8	7969.9	7732.1	7620.0
32.5°	12238.6	11515.9	10793.5	9954.1	9114.7	8586.9	8059.2	7872.5	7685.5	7604.8
35°	12686.3	11801.8	10917.7	10043.0	9168.6	8802.0	8435.6	8392.0	8348.5	8341.8
37.5°	13440.0	12399.7	11359.3	10564.4	9769.5	9745.8	9722.0	9921.2	10120.4	10223.9
40°	14579.1	13447.7	12316.2	11725.1	11133.9	11551.2	11968.4	12452.7	12936.9	13178.1
42.5°	16089.7	14967.1	13844.5	13504.0	13163.5	14073.5	14983.5	15864.3	16745.1	17262.2
45°	17955.1	16946.7	15938.0	15787.9	15637.4	17095.3	18553.5	20000.8	21448.3	22327.0
47.5°	20288.0	19307.0	18325.7	18295.3	18264.8	20368.1	22470.7	24589.5	26708.0	27952.1
50°	23345.7	22133.9	20922.4	20927.5	20932.7	23643.3	26353.8	29150.6	31947.3	33638.2
52.5°	26855.7	25388.4	23921.3	23773.0	23624.4	26862.1	30099.9	33560.2	37020.3	39047.1
55°	30592.6	29142.9	27693.3	27114.9	26536.5	30140.1	33743.3	37868.5	41993.7	44404.2
57.5°	33991.5	33202.1	32412.3	31252.3	30092.5	33731.1	37369.6	42042.1	46714.3	49703.5
60°	36045.7	37271.8	38498.3	37057.7	35617.2	39060.5	42503.8	47506.4	52509.1	55739.8
62.5°	35002.6	38353.0	41703.4	41541.1	41378.5	44532.7	47687.3	52446.9	57206.2	60192.4
65°	32914.9	36059.4	39203.9	39826.1	40448.0	44456.6	48465.5	53080.7	57695.6	60238.1
67.5°	30117.5	33108.3	36099.0	36390.8	36682.2	40858.9	45035.3	49670.3	54305.3	56297.1
70°	26756.7	30009.7	33263.0	33393.3	33524.0	37259.0	40993.8	44982.6	48971.0	50078.1
72.5°	22751.8	26484.8	30218.0	30311.8	30405.3	33327.5	36249.7	39237.1	42224.2	42336.3
75°	17685.6	21549.1	25412.7	25759.6	26106.5	28380.0	30653.5	32756.5	34859.4	34296.0
77.5°	12636.0	16242.6	19849.4	20345.8	20842.3	22570.6	24299.0	25790.4	27282.1	26313.6
80°	8270.2	11304.5	14338.5	14955.5	15572.5	16877.9	18182.6	18965.9	19748.9	18191.1
82.5°	4807.4	6881.7	8956.4	9645.6	10335.1	11233.5	12132.0	12458.8	12785.2	11560.9
85°	2115.1	3216.1	4317.1	4903.3	5489.6	6227.9	6965.8	7151.3	7336.7	6356.1
87.5°	654.8	1024.8	1394.9	1722.0	2049.1	2418.2	2787.3	2803.1	2818.7	2366.4
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
8774.3	2.5°	8760.5	8746.8	8719.4	8692.0	8646.0	8600.0	8567.5	8535.2	8469.7	8404.2
9824.4	5°	9787.2	9750.4	9689.4	9628.5	9516.1	9404.1	9290.8	9177.8	9033.1	8888.5
10828.5	7.5°	10774.9	10721.0	10621.4	10521.8	10356.4	10191.0	10007.4	9823.4	9584.7	9346.2
11480.2	10°	11428.1	11375.8	11258.8	11141.3	10947.3	10753.3	10535.8	10318.3	10016.5	9714.7
11670.6	12.5°	11641.9	11613.3	11528.0	11442.8	11268.0	11092.5	10857.1	10621.4	10289.7	9958.4
11377.6	15°	11408.0	11438.5	11435.5	11432.4	11322.2	11212.2	11009.1	10805.6	10460.0	10114.3
10714.9	17.5°	10828.2	10941.2	11064.5	11187.9	11186.0	11183.9	11046.5	10909.2	10558.6	10208.1
9888.9	20°	10087.2	10285.5	10557.7	10830.0	10974.7	11119.3	11071.2	11023.4	10659.1	10294.6
9134.2	22.5°	9382.1	9630.1	10030.5	10431.0	10730.7	11030.4	11093.1	11155.9	10783.7	10411.2
8527.0	25°	8787.0	9047.7	9534.1	10020.5	10475.5	10930.5	11128.5	11326.4	10961.6	10597.0
8054.0	27.5°	8310.1	8566.5	9105.6	9644.7	10247.1	10849.8	11204.0	11557.9	11210.1	10862.0
7732.1	30°	7969.9	8207.8	8769.4	9331.0	10072.9	10814.8	11342.3	11870.1	11533.8	11197.9
7685.5	32.5°	7872.5	8059.2	8586.9	9114.7	9954.1	10793.5	11515.9	12238.6	11905.7	11573.1
8348.5	35°	8392.0	8435.6	8802.0	9168.6	10043.0	10917.7	11801.8	12686.3	12367.7	12048.8
10120.4	37.5°	9921.2	9722.0	9745.8	9769.5	10564.4	11359.3	12399.7	13440.0	13033.8	12627.5
12936.9	40°	12452.7	11968.4	11551.2	11133.9	11725.1	12316.2	13447.7	14579.1	13987.0	13395.0
16745.1	42.5°	15864.3	14983.5	14073.5	13163.5	13504.0	13844.5	14967.1	16089.7	15235.1	14380.5
21448.3	45°	20000.8	18553.5	17095.3	15637.4	15787.9	15938.0	16946.7	17955.1	16802.3	15649.6
26708.0	47.5°	24589.5	22470.7	20368.1	18264.8	18295.3	18325.7	19307.0	20288.0	18665.6	17042.9
31947.3	50°	29150.6	26353.8	23643.3	20932.7	20927.5	20922.4	22133.9	23345.7	20899.8	18453.6
37020.3	52.5°	33560.2	30099.9	26862.1	23624.4	23773.0	23921.3	25388.4	26855.7	23246.7	19637.8
41993.7	55°	37868.5	33743.3	30140.1	26536.5	27114.9	27693.3	29142.9	30592.6	25327.5	20062.6
46714.3	57.5°	42042.1	37369.6	33731.1	30092.5	31252.3	32412.3	33202.1	33991.5	26802.1	19612.8
52509.1	60°	47506.4	42503.8	39060.5	35617.2	37057.7	38498.3	37271.8	36045.7	27170.6	18295.3
57206.2	62.5°	52446.9	47687.3	44532.7	41378.5	41541.1	41703.4	38353.0	35002.6	25618.9	16235.3
57695.6	65°	53080.7	48465.5	44456.6	40448.0	39826.1	39203.9	36059.4	32914.9	23423.4	13931.9
54305.3	67.5°	49670.3	45035.3	40858.9	36682.2	36390.8	36099.0	33108.3	30117.5	20810.6	11503.7
48971.0	70°	44982.6	40993.8	37259.0	33524.0	33393.3	33263.0	30009.7	26756.7	17959.7	9162.6
42224.2	72.5°	39237.1	36249.7	33327.5	30405.3	30311.8	30218.0	26484.8	22751.8	14869.0	6986.5
34859.4	75°	32756.5	30653.5	28380.0	26106.5	25759.6	25412.7	21549.1	17685.6	11326.1	4966.7
27282.1	77.5°	25790.4	24299.0	22570.6	20842.3	20345.8	19849.4	16242.6	12636.0	7927.3	3218.5
19748.9	80°	18965.9	18182.6	16877.9	15572.5	14955.5	14338.5	11304.5	8270.2	5107.4	1944.6
12785.2	82.5°	12458.8	12132.0	11233.5	10335.1	9645.6	8956.4	6881.7	4807.4	2956.0	1104.9
7336.7	85°	7151.3	6965.8	6227.9	5489.6	4903.3	4317.1	3216.1	2115.1	1329.7	544.5
2818.7	87.5°	2803.1	2787.3	2418.2	2049.1	1722.0	1394.9	1024.8	654.8	435.5	216.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
8334.5	2.5°	8265.0	8195.0	8124.9	8057.9	7990.9	7926.1	7853.9	7795.4	7737.2	7684.5
8744.1	5°	8600.0	8454.8	8309.8	8174.3	8038.7	7910.8	7784.4	7674.2	7563.6	7471.1
9125.7	7.5°	8905.2	8690.5	8475.8	8286.7	8097.5	7923.0	7759.5	7612.7	7466.2	7344.4
9423.3	10°	9132.1	8871.4	8610.4	8386.9	8162.7	7947.4	7771.7	7616.9	7462.2	7340.4
9628.2	12.5°	9298.1	8990.5	8682.9	8429.8	8176.7	7950.4	7786.9	7660.2	7534.1	7453.1
9756.1	15°	9398.0	9043.8	8689.6	8396.6	8103.6	7853.0	7722.0	7661.4	7601.1	7612.1
9817.4	17.5°	9426.6	9015.5	8604.3	8251.9	7899.6	7604.8	7524.0	7546.3	7568.2	7701.0
9865.2	20°	9435.7	8937.5	8439.2	8002.5	7565.8	7222.5	7201.2	7304.8	7408.3	7638.9
9929.7	22.5°	9447.9	8841.9	8235.8	7709.8	7183.9	6793.1	6834.8	6988.0	7141.2	7404.4
10046.7	25°	9496.0	8747.4	7999.2	7383.0	6767.2	6366.7	6479.4	6656.1	6832.7	7069.3
10229.4	27.5°	9596.6	8684.4	7772.3	7084.3	6396.3	6031.7	6168.8	6339.3	6509.9	6704.5
10466.1	30°	9734.2	8654.9	7574.9	6834.5	6094.2	5788.1	5895.6	6030.8	6166.6	6328.1
10713.1	32.5°	9853.0	8618.3	7383.0	6619.2	5855.1	5608.4	5656.2	5736.3	5816.4	5945.2
10994.5	35°	9940.1	8549.5	7159.5	6407.5	5655.6	5450.0	5430.2	5452.2	5474.4	5572.8
11309.7	37.5°	9991.9	8431.6	6871.4	6158.4	5445.5	5265.8	5193.3	5168.9	5144.6	5215.2
11709.9	40°	10024.5	8269.3	6514.4	5861.2	5207.9	5045.0	4933.8	4878.7	4823.6	4874.4
12233.4	42.5°	10086.3	8101.8	6117.9	5533.2	4948.4	4798.3	4658.2	4585.1	4512.0	4553.4
12922.3	45°	10195.0	7946.2	5697.6	5184.8	4671.9	4519.6	4384.1	4312.8	4241.9	4276.6
13656.3	47.5°	10269.6	7817.6	5365.7	4909.1	4452.6	4256.2	4139.5	4079.8	4020.1	4053.0
14337.3	50°	10220.9	7677.5	5134.2	4726.1	4318.0	4059.7	3924.2	3871.2	3818.5	3869.7
14779.5	52.5°	9920.9	7440.9	4961.2	4605.5	4250.1	3953.1	3763.7	3711.3	3659.2	3736.3
14682.0	55°	9301.1	7048.6	4796.1	4518.1	4240.0	3963.8	3678.4	3595.6	3513.1	3622.4
13996.2	57.5°	8379.9	6495.6	4611.0	4414.5	4218.1	3974.5	3627.3	3506.7	3386.1	3503.6
12719.8	60°	7144.3	5777.4	4410.6	4256.2	4101.8	3941.0	3579.1	3422.9	3266.4	3369.6
10993.9	62.5°	5752.4	4918.0	4083.5	3980.8	3878.5	3858.7	3523.1	3327.6	3132.4	3197.8
9232.9	65°	4534.2	4144.7	3755.2	3706.7	3658.3	3660.8	3404.9	3197.2	2989.2	3014.5
7507.9	67.5°	3512.1	3401.6	3290.7	3317.8	3344.6	3337.9	3194.2	3021.2	2848.2	2840.3
5911.4	70°	2660.3	2692.0	2723.3	2848.8	2974.0	2974.0	2926.8	2803.7	2680.7	2653.3
4519.3	72.5°	2052.1	2147.4	2243.1	2420.9	2598.5	2628.3	2628.9	2544.6	2460.2	2420.0
3280.1	75°	1593.4	1679.9	1766.4	1965.6	2164.8	2302.4	2290.9	2226.0	2160.8	2122.4
2222.6	77.5°	1226.8	1285.5	1344.6	1538.0	1731.4	1958.3	1952.2	1900.1	1848.0	1809.1
1432.0	80°	919.8	944.1	968.5	1132.3	1295.9	1566.9	1566.0	1522.5	1478.6	1446.0
880.8	82.5°	657.2	661.5	666.4	787.0	907.6	1139.0	1151.8	1130.5	1109.2	1086.0
470.8	85°	397.4	395.3	392.9	481.2	569.5	741.6	758.3	735.5	712.7	686.8
195.2	87.5°	174.2	172.1	169.9	205.9	242.1	313.7	335.0	325.9	316.7	311.9
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7632.2	2.5°	7586.2	7540.2	7493.9	7447.9	7412.3	7376.3	7347.4	7318.5	7295.9	7273.4
7378.8	5°	7297.2	7215.5	7141.5	7067.2	7010.3	6953.0	6913.1	6873.2	6844.9	6816.6
7222.5	7.5°	7119.9	7017.0	6926.2	6835.8	6767.8	6700.2	6652.7	6605.2	6572.6	6540.3
7218.6	10°	7108.0	6997.2	6895.1	6793.1	6712.1	6630.8	6577.8	6524.2	6493.4	6462.7
7372.7	12.5°	7285.6	7199.1	7093.4	6988.0	6884.5	6780.9	6712.4	6643.9	6609.5	6575.4
7623.0	15°	7600.5	7578.0	7486.3	7394.6	7247.2	7099.8	6995.6	6891.5	6843.7	6796.2
7833.8	17.5°	7904.4	7974.8	7900.8	7827.1	7631.9	7436.6	7283.1	7129.6	7059.0	6988.0
7869.7	20°	8017.4	8165.1	8131.0	8096.6	7873.4	7650.4	7462.2	7274.3	7183.9	7093.1
7668.1	22.5°	7860.3	8052.5	8073.2	8093.6	7880.4	7667.2	7473.5	7279.5	7184.2	7088.5
7306.3	25°	7495.4	7684.5	7755.2	7825.6	7650.7	7476.2	7303.9	7132.1	7049.2	6966.7
6898.8	27.5°	7050.5	7202.1	7280.7	7359.6	7235.0	7110.8	6977.1	6843.4	6787.9	6732.2
6489.5	30°	6615.3	6741.3	6805.3	6869.3	6774.5	6679.5	6583.9	6487.6	6459.3	6430.7
6074.4	32.5°	6195.0	6315.9	6386.8	6458.1	6371.0	6283.6	6207.2	6130.7	6112.1	6093.6
5670.8	35°	5790.2	5909.9	5995.2	6080.5	6018.3	5956.5	5885.8	5815.5	5787.2	5759.1
5285.6	37.5°	5404.6	5524.0	5629.4	5734.8	5706.2	5677.5	5612.7	5547.5	5496.0	5444.8
4925.3	40°	5040.4	5155.5	5276.7	5398.3	5405.3	5412.0	5356.8	5301.7	5226.8	5152.5
4595.1	42.5°	4704.2	4813.5	4944.5	5075.4	5110.4	5145.5	5098.9	5052.6	4959.7	4866.8
4311.9	45°	4415.4	4519.0	4654.8	4790.7	4840.9	4891.2	4849.1	4807.4	4701.1	4595.1
4085.6	47.5°	4187.0	4288.1	4422.1	4556.2	4614.0	4671.9	4642.6	4613.4	4519.0	4424.6
3921.2	50°	4016.8	4112.1	4232.1	4352.1	4426.4	4500.7	4498.9	4497.7	4422.1	4346.6
3813.0	52.5°	3900.7	3988.2	4099.9	4212.0	4300.0	4388.0	4403.9	4419.7	4358.2	4296.7
3731.4	55°	3825.8	3920.2	4018.3	4116.1	4209.3	4302.8	4324.7	4346.6	4293.0	4239.4
3621.2	57.5°	3732.0	3842.9	3939.7	4036.9	4131.0	4224.8	4247.0	4269.3	4215.1	4160.8
3472.5	60°	3599.8	3727.2	3825.5	3924.2	4018.6	4113.0	4137.4	4161.8	4108.8	4056.1
3263.3	62.5°	3411.6	3560.3	3665.3	3770.4	3856.9	3943.4	3966.8	3990.3	3942.5	3894.7
3039.5	65°	3198.4	3357.7	3458.2	3558.7	3634.9	3711.0	3735.1	3758.8	3712.8	3666.9
2832.4	67.5°	2979.2	3126.3	3221.6	3316.6	3382.4	3448.2	3471.6	3494.8	3452.4	3410.4
2625.9	70°	2755.0	2884.1	2966.4	3048.6	3108.0	3167.4	3189.9	3212.5	3178.0	3143.6
2380.1	72.5°	2481.8	2583.2	2657.6	2731.9	2790.0	2848.2	2875.0	2901.8	2873.2	2844.6
2083.8	75°	2159.3	2234.8	2302.1	2369.4	2422.4	2475.4	2503.4	2531.5	2517.5	2503.4
1770.1	77.5°	1831.6	1892.8	1950.7	2008.5	2064.3	2119.7	2145.9	2172.1	2152.6	2132.5
1413.1	80°	1464.3	1515.2	1563.9	1612.6	1655.0	1697.0	1731.7	1766.4	1757.9	1749.7
1062.9	82.5°	1058.6	1054.4	1037.3	1020.3	1110.4	1200.6	1259.6	1318.7	1315.1	1311.1
660.9	85°	639.0	616.7	569.5	522.3	606.7	691.3	764.4	837.5	831.4	825.3
307.0	87.5°	306.1	305.2	269.2	233.0	268.3	303.9	333.5	363.0	355.7	347.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7252.7	2.5°	7231.7	7205.8	7231.7	7252.7	7273.4	7295.9	7318.5	7347.4	7376.3	7412.3
6794.9	5°	6773.3	6752.0	6773.3	6794.9	6816.6	6844.9	6873.2	6913.1	6953.0	7010.3
6520.8	7.5°	6501.7	6487.0	6501.7	6520.8	6540.3	6572.6	6605.2	6652.7	6700.2	6767.8
6446.2	10°	6429.8	6423.1	6429.8	6446.2	6462.7	6493.4	6524.2	6577.8	6630.8	6712.1
6561.3	12.5°	6547.3	6544.9	6547.3	6561.3	6575.4	6609.5	6643.9	6712.4	6780.9	6884.5
6777.9	15°	6759.6	6758.1	6759.6	6777.9	6796.2	6843.7	6891.5	6995.6	7099.8	7247.2
6964.9	17.5°	6941.4	6937.8	6941.4	6964.9	6988.0	7059.0	7129.6	7283.1	7436.6	7631.9
7064.2	20°	7035.2	7026.1	7035.2	7064.2	7093.1	7183.9	7274.3	7462.2	7650.4	7873.4
7056.6	22.5°	7024.6	7010.9	7024.6	7056.6	7088.5	7184.2	7279.5	7473.5	7667.2	7880.4
6936.6	25°	6906.7	6889.1	6906.7	6936.6	6966.7	7049.2	7132.1	7303.9	7476.2	7650.7
6718.5	27.5°	6704.8	6700.2	6704.8	6718.5	6732.2	6787.9	6843.4	6977.1	7110.8	7235.0
6430.7	30°	6430.7	6435.3	6430.7	6430.7	6430.7	6459.3	6487.6	6583.9	6679.5	6774.5
6096.0	32.5°	6098.7	6103.3	6098.7	6096.0	6093.6	6112.1	6130.7	6207.2	6283.6	6371.0
5753.1	35°	5747.0	5743.9	5747.0	5753.1	5759.1	5787.2	5815.5	5885.8	5956.5	6018.3
5417.7	37.5°	5390.6	5375.4	5390.6	5417.7	5444.8	5496.0	5547.5	5612.7	5677.5	5706.2
5101.9	40°	5052.0	5022.1	5052.0	5101.9	5152.5	5226.8	5301.7	5356.8	5412.0	5405.3
4793.4	42.5°	4720.0	4671.9	4720.0	4793.4	4866.8	4959.7	5052.6	5098.9	5145.5	5110.4
4508.9	45°	4422.8	4367.3	4422.8	4508.9	4595.1	4701.1	4807.4	4849.1	4891.2	4840.9
4344.8	47.5°	4265.3	4212.0	4265.3	4344.8	4424.6	4519.0	4613.4	4642.6	4671.9	4614.0
4272.9	50°	4199.2	4148.0	4199.2	4272.9	4346.6	4422.1	4497.7	4498.9	4500.7	4426.4
4230.6	52.5°	4164.8	4117.6	4164.8	4230.6	4296.7	4358.2	4419.7	4403.9	4388.0	4300.0
4181.6	55°	4123.7	4081.0	4123.7	4181.6	4239.4	4293.0	4346.6	4324.7	4302.8	4209.3
4103.6	57.5°	4046.0	4001.9	4046.0	4103.6	4160.8	4215.1	4269.3	4247.0	4224.8	4131.0
3997.0	60°	3937.9	3892.2	3937.9	3997.0	4056.1	4108.8	4161.8	4137.4	4113.0	4018.6
3832.5	62.5°	3770.4	3715.6	3770.4	3832.5	3894.7	3942.5	3990.3	3966.8	3943.4	3856.9
3606.5	65°	3546.6	3499.3	3546.6	3606.5	3666.9	3712.8	3758.8	3735.1	3711.0	3634.9
3354.4	67.5°	3298.3	3255.7	3298.3	3354.4	3410.4	3452.4	3494.8	3471.6	3448.2	3382.4
3090.0	70°	3036.4	2987.7	3036.4	3090.0	3143.6	3178.0	3212.5	3189.9	3167.4	3108.0
2793.4	72.5°	2742.5	2695.3	2742.5	2793.4	2844.6	2873.2	2901.8	2875.0	2848.2	2790.0
2460.5	75°	2417.6	2372.5	2417.6	2460.5	2503.4	2517.5	2531.5	2503.4	2475.4	2422.4
2089.3	77.5°	2046.0	2010.1	2046.0	2089.3	2132.5	2152.6	2172.1	2145.9	2119.7	2064.3
1691.5	80°	1633.0	1565.4	1633.0	1691.5	1749.7	1757.9	1766.4	1731.7	1697.0	1655.0
1262.1	82.5°	1212.7	1169.5	1212.7	1262.1	1311.1	1315.1	1318.7	1259.6	1200.6	1110.4
787.0	85°	748.6	709.6	748.6	787.0	825.3	831.4	837.5	764.4	691.3	606.7
328.3	87.5°	308.2	289.3	308.2	328.3	347.8	355.7	363.0	333.5	303.9	268.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7447.9	2.5°	7493.9	7540.2	7586.2	7632.2	7684.5	7737.2	7795.4	7853.9	7926.1	7990.9
7067.2	5°	7141.5	7215.5	7297.2	7378.8	7471.1	7563.6	7674.2	7784.4	7910.8	8038.7
6835.8	7.5°	6926.2	7017.0	7119.9	7222.5	7344.4	7466.2	7612.7	7759.5	7923.0	8097.5
6793.1	10°	6895.1	6997.2	7108.0	7218.6	7340.4	7462.2	7616.9	7771.7	7947.4	8162.7
6988.0	12.5°	7093.4	7199.1	7285.6	7372.7	7453.1	7534.1	7660.2	7786.9	7950.4	8176.7
7394.6	15°	7486.3	7578.0	7600.5	7623.0	7612.1	7601.1	7661.4	7722.0	7853.0	8103.6
7827.1	17.5°	7900.8	7974.8	7904.4	7833.8	7701.0	7568.2	7546.3	7524.0	7604.8	7899.6
8096.6	20°	8131.0	8165.1	8017.4	7869.7	7638.9	7408.3	7304.8	7201.2	7222.5	7565.8
8093.6	22.5°	8073.2	8052.5	7860.3	7668.1	7404.4	7141.2	6988.0	6834.8	6793.1	7183.9
7825.6	25°	7755.2	7684.5	7495.4	7306.3	7069.3	6832.7	6656.1	6479.4	6366.7	6767.2
7359.6	27.5°	7280.7	7202.1	7050.5	6898.8	6704.5	6509.9	6339.3	6168.8	6031.7	6396.3
6869.3	30°	6805.3	6741.3	6615.3	6489.5	6328.1	6166.6	6030.8	5895.6	5788.1	6094.2
6458.1	32.5°	6386.8	6315.9	6195.0	6074.4	5945.2	5816.4	5736.3	5656.2	5608.4	5855.1
6080.5	35°	5995.2	5909.9	5790.2	5670.8	5572.8	5474.4	5452.2	5430.2	5450.0	5655.6
5734.8	37.5°	5629.4	5524.0	5404.6	5285.6	5215.2	5144.6	5168.9	5193.3	5265.8	5445.5
5398.3	40°	5276.7	5155.5	5040.4	4925.3	4874.4	4823.6	4878.7	4933.8	5045.0	5207.9
5075.4	42.5°	4944.5	4813.5	4704.2	4595.1	4553.4	4512.0	4585.1	4658.2	4798.3	4948.4
4790.7	45°	4654.8	4519.0	4415.4	4311.9	4276.6	4241.9	4312.8	4384.1	4519.6	4671.9
4556.2	47.5°	4422.1	4288.1	4187.0	4085.6	4053.0	4020.1	4079.8	4139.5	4256.2	4452.6
4352.1	50°	4232.1	4112.1	4016.8	3921.2	3869.7	3818.5	3871.2	3924.2	4059.7	4318.0
4212.0	52.5°	4099.9	3988.2	3900.7	3813.0	3736.3	3659.2	3711.3	3763.7	3953.1	4250.1
4116.1	55°	4018.3	3920.2	3825.8	3731.4	3622.4	3513.1	3595.6	3678.4	3963.8	4240.0
4036.9	57.5°	3939.7	3842.9	3732.0	3621.2	3503.6	3386.1	3506.7	3627.3	3974.5	4218.1
3924.2	60°	3825.5	3727.2	3599.8	3472.5	3369.6	3266.4	3422.9	3579.1	3941.0	4101.8
3770.4	62.5°	3665.3	3560.3	3411.6	3263.3	3197.8	3132.4	3327.6	3523.1	3858.7	3878.5
3558.7	65°	3458.2	3357.7	3198.4	3039.5	3014.5	2989.2	3197.2	3404.9	3660.8	3658.3
3316.6	67.5°	3221.6	3126.3	2979.2	2832.4	2840.3	2848.2	3021.2	3194.2	3337.9	3344.6
3048.6	70°	2966.4	2884.1	2755.0	2625.9	2653.3	2680.7	2803.7	2926.8	2974.0	2974.0
2731.9	72.5°	2657.6	2583.2	2481.8	2380.1	2420.0	2460.2	2544.6	2628.9	2628.3	2598.5
2369.4	75°	2302.1	2234.8	2159.3	2083.8	2122.4	2160.8	2226.0	2290.9	2302.4	2164.8
2008.5	77.5°	1950.7	1892.8	1831.6	1770.1	1809.1	1848.0	1900.1	1952.2	1958.3	1731.4
1612.6	80°	1563.9	1515.2	1464.3	1413.1	1446.0	1478.6	1522.5	1566.0	1566.9	1295.9
1020.3	82.5°	1037.3	1054.4	1058.6	1062.9	1086.0	1109.2	1130.5	1151.8	1139.0	907.6
522.3	85°	569.5	616.7	639.0	660.9	686.8	712.7	735.5	758.3	741.6	569.5
233.0	87.5°	269.2	305.2	306.1	307.0	311.9	316.7	325.9	335.0	313.7	242.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
8057.9	2.5°	8124.9	8195.0	8265.0	8334.5	8404.2	8469.7	8535.2
8174.3	5°	8309.8	8454.8	8600.0	8744.1	8888.5	9033.1	9177.8
8286.7	7.5°	8475.8	8690.5	8905.2	9125.7	9346.2	9584.7	9823.4
8386.9	10°	8610.4	8871.4	9132.1	9423.3	9714.7	10016.5	10318.3
8429.8	12.5°	8682.9	8990.5	9298.1	9628.2	9958.4	10289.7	10621.4
8396.6	15°	8689.6	9043.8	9398.0	9756.1	10114.3	10460.0	10805.6
8251.9	17.5°	8604.3	9015.5	9426.6	9817.4	10208.1	10558.6	10909.2
8002.5	20°	8439.2	8937.5	9435.7	9865.2	10294.6	10659.1	11023.4
7709.8	22.5°	8235.8	8841.9	9447.9	9929.7	10411.2	10783.7	11155.9
7383.0	25°	7999.2	8747.4	9496.0	10046.7	10597.0	10961.6	11326.4
7084.3	27.5°	7772.3	8684.4	9596.6	10229.4	10862.0	11210.1	11557.9
6834.5	30°	7574.9	8654.9	9734.2	10466.1	11197.9	11533.8	11870.1
6619.2	32.5°	7383.0	8618.3	9853.0	10713.1	11573.1	11905.7	12238.6
6407.5	35°	7159.5	8549.5	9940.1	10994.5	12048.8	12367.7	12686.3
6158.4	37.5°	6871.4	8431.6	9991.9	11309.7	12627.5	13033.8	13440.0
5861.2	40°	6514.4	8269.3	10024.5	11709.9	13395.0	13987.0	14579.1
5533.2	42.5°	6117.9	8101.8	10086.3	12233.4	14380.5	15235.1	16089.7
5184.8	45°	5697.6	7946.2	10195.0	12922.3	15649.6	16802.3	17955.1
4909.1	47.5°	5365.7	7817.6	10269.6	13656.3	17042.9	18665.6	20288.0
4726.1	50°	5134.2	7677.5	10220.9	14337.3	18453.6	20899.8	23345.7
4605.5	52.5°	4961.2	7440.9	9920.9	14779.5	19637.8	23246.7	26855.7
4518.1	55°	4796.1	7048.6	9301.1	14682.0	20062.6	25327.5	30592.6
4414.5	57.5°	4611.0	6495.6	8379.9	13996.2	19612.8	26802.1	33991.5
4256.2	60°	4410.6	5777.4	7144.3	12719.8	18295.3	27170.6	36045.7
3980.8	62.5°	4083.5	4918.0	5752.4	10993.9	16235.3	25618.9	35002.6
3706.7	65°	3755.2	4144.7	4534.2	9232.9	13931.9	23423.4	32914.9
3317.8	67.5°	3290.7	3401.6	3512.1	7507.9	11503.7	20810.6	30117.5
2848.8	70°	2723.3	2692.0	2660.3	5911.4	9162.6	17959.7	26756.7
2420.9	72.5°	2243.1	2147.4	2052.1	4519.3	6986.5	14869.0	22751.8
1965.6	75°	1766.4	1679.9	1593.4	3280.1	4966.7	11326.1	17685.6
1538.0	77.5°	1344.6	1285.5	1226.8	2222.6	3218.5	7927.3	12636.0
1132.3	80°	968.5	944.1	919.8	1432.0	1944.6	5107.4	8270.2
787.0	82.5°	666.4	661.5	657.2	880.8	1104.9	2956.0	4807.4
481.2	85°	392.9	395.3	397.4	470.8	544.5	1329.7	2115.1
205.9	87.5°	169.9	172.1	174.2	195.2	216.2	435.5	654.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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