

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: P957652

Luminaire Tested: **GALN-SB9D-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957652
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-SB9D-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66924 lumens
Efficiency: N/A
Efficacy: 101.7 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

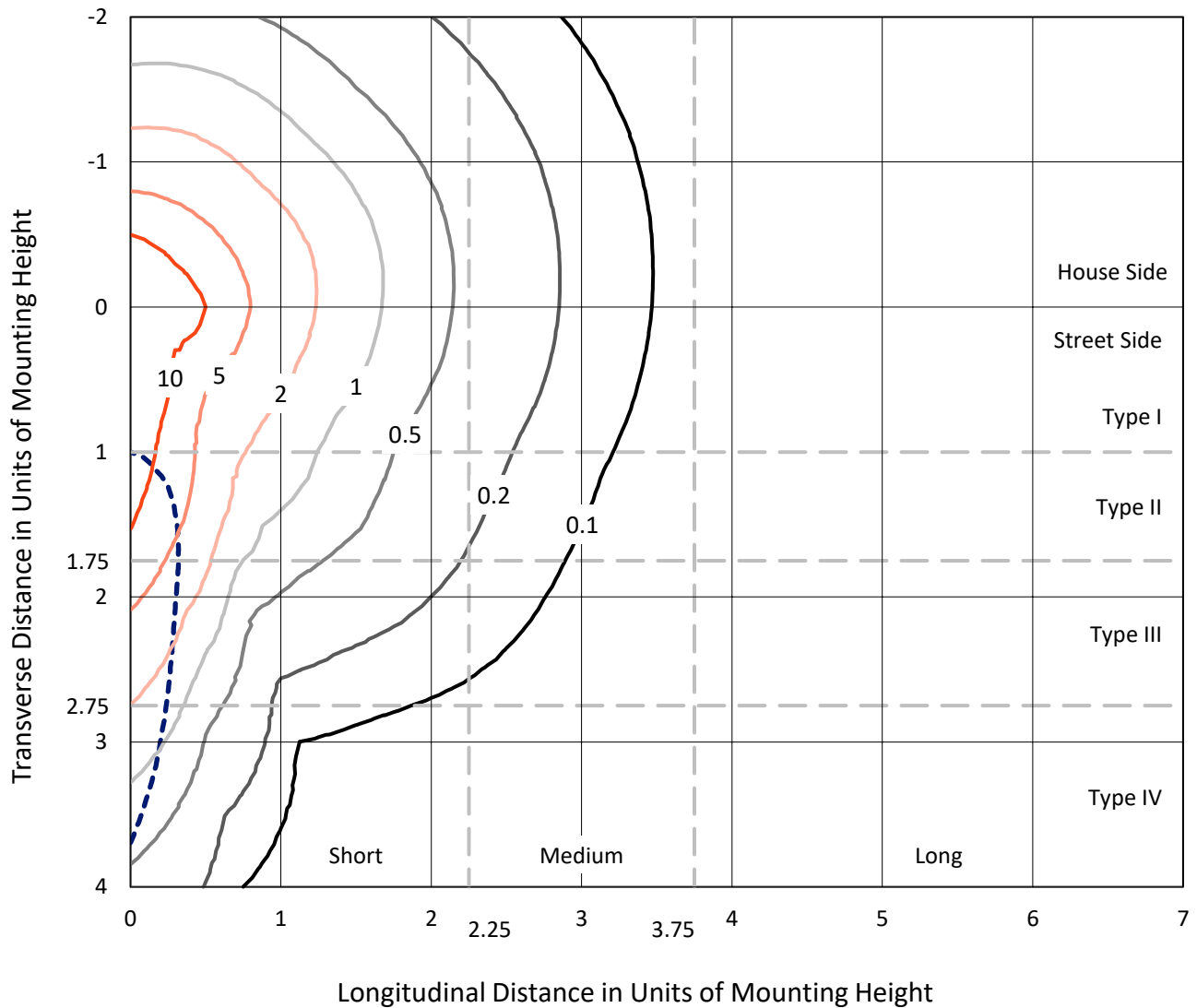
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

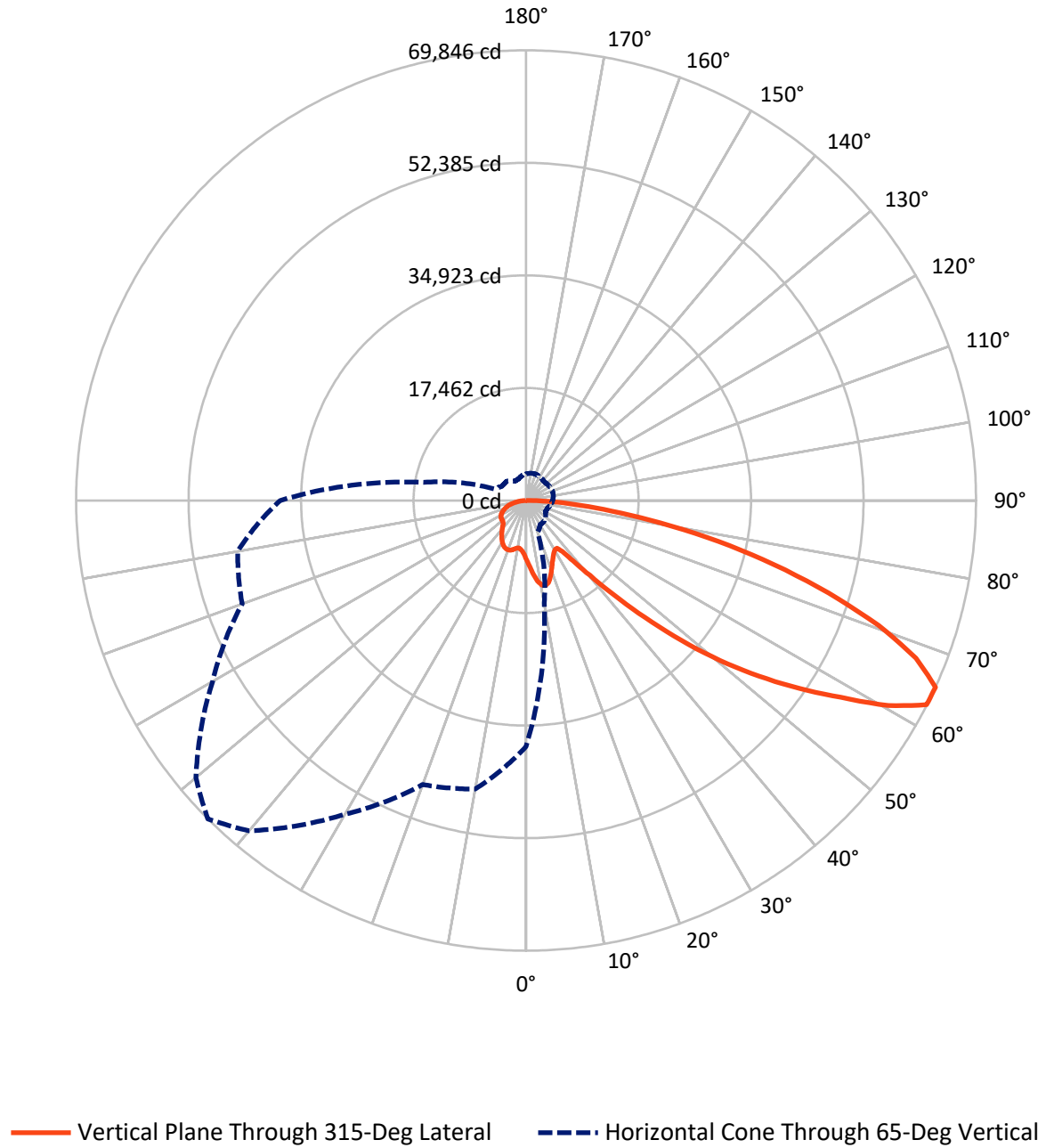
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 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	17008.7	0.0	17008.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	49915.3	0.0	49915.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	66924.0	0.0	66924.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.9	1.4
10°-20°	2865.8	4.3
20°-30°	4426.6	6.6
30°-40°	5609.6	8.4
40°-50°	8460.7	12.6
50°-60°	13669.6	20.4
60°-70°	17041.3	25.5
70°-80°	11174.8	16.7
80°-90°	2762.7	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°	66924.0	100.0
0°-180°	66924.0	100.0



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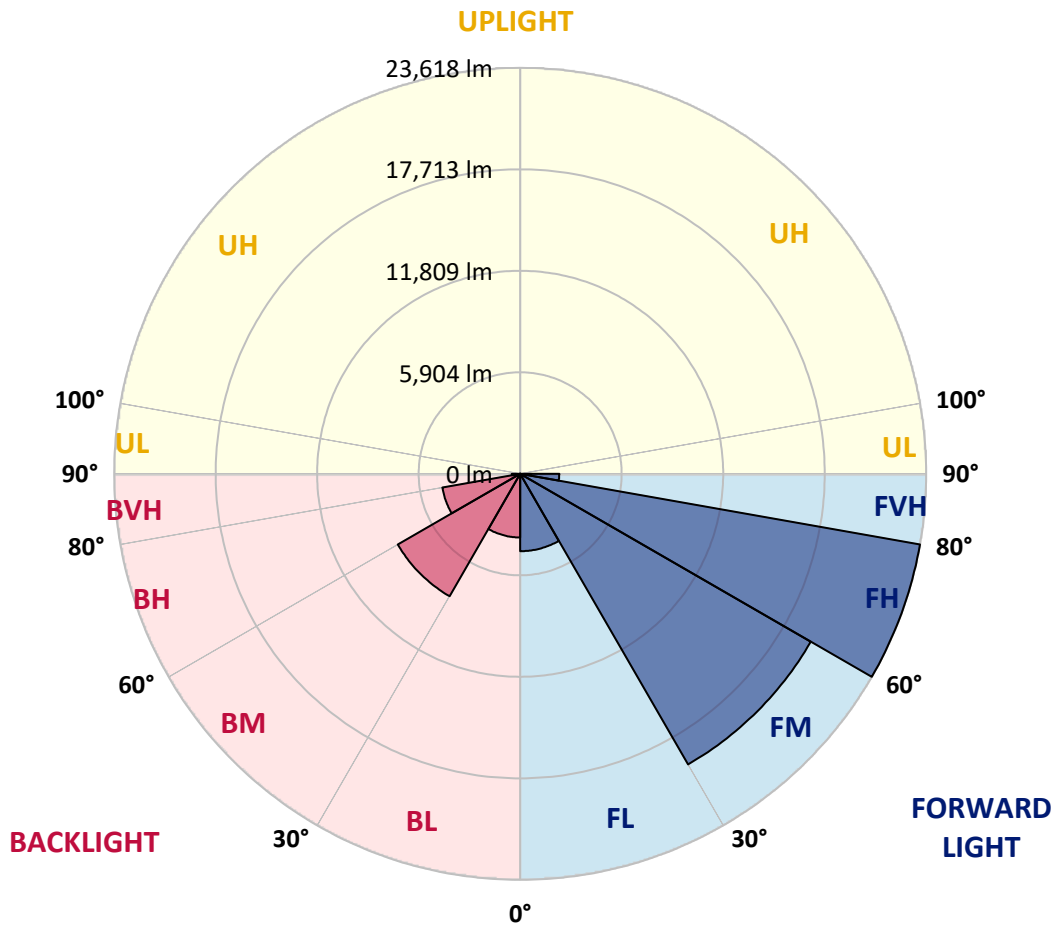
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4501.4	6.7			
FM (30°-60°)	19520.3	29.2			
FH (60°-80°)	23617.8	35.3			G5
FVH (80°-90°)	2275.9	3.4			G5
BL (0°-30°)	3703.9	5.5	B4/5000		
BM (30°-60°)	8219.7	12.3	B4/8500		
BH (60°-80°)	4598.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	486.8	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°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
2.5°	9896.5	9820.6	9744.7	9663.8	9583.3	9502.1	9420.9	9343.2	9265.5	9190.3
5°	10641.6	10473.9	10306.2	10138.8	9971.7	9803.3	9635.2	9478.1	9320.9	9172.6
7.5°	11390.3	11113.4	10836.9	10581.3	10325.6	10076.6	9827.7	9608.4	9389.1	9186.7
10°	11964.1	11614.2	11264.2	10926.3	10588.7	10286.4	9983.8	9724.6	9464.7	9215.0
12.5°	12315.5	11930.9	11546.7	11163.9	10781.1	10424.5	10067.8	9774.3	9480.9	9218.5
15°	12529.1	12128.3	11727.5	11312.2	10897.0	10486.3	10075.6	9735.9	9396.1	9105.5
17.5°	12649.2	12242.7	11836.3	11383.2	10930.1	10453.4	9976.7	9568.1	9159.5	8817.7
20°	12781.6	12359.3	11936.6	11438.7	10940.7	10363.0	9785.3	9278.9	8772.5	8374.5
22.5°	12935.2	12503.7	12071.8	11513.5	10954.9	10252.1	9549.4	8939.5	8329.7	7876.6
25°	13133.0	12709.9	12287.2	11649.1	11010.7	10142.7	9275.0	8560.6	7846.6	7382.2
27.5°	13401.4	12998.1	12594.5	11861.0	11127.2	10069.6	9011.9	8214.2	7416.5	6993.8
30°	13763.3	13373.5	12984.0	12135.4	11286.8	10035.3	8783.1	7924.6	7066.2	6711.3
32.5°	14190.6	13804.6	13419.0	12421.8	11424.5	9992.9	8560.6	7675.0	6789.0	6502.9
35°	14709.7	14340.3	13970.6	12748.1	11525.5	9913.1	8301.4	7429.5	6557.7	6319.3
37.5°	15583.7	15112.6	14641.6	13113.6	11585.6	9776.5	7967.4	7140.7	6314.0	6105.7
40°	16904.4	16218.0	15531.5	13577.6	11623.3	9588.2	7553.5	6796.0	6038.6	5849.6
42.5°	18656.0	17665.1	16674.2	14184.6	11695.0	9394.0	7093.7	6415.7	5737.7	5563.6
45°	20818.9	19482.3	18145.7	14983.4	11821.1	9213.6	6606.4	6011.7	5417.0	5240.5
47.5°	23523.9	21642.8	19761.3	15834.4	11907.6	9064.6	6221.5	5692.1	5162.8	4935.0
50°	27069.4	24233.3	21397.0	16624.1	11851.1	8902.1	5953.1	5479.9	5006.7	4707.3
52.5°	31139.2	26954.6	22770.0	17136.8	11503.3	8627.7	5752.5	5340.1	4928.0	4583.7
55°	35472.1	29367.2	23262.6	17023.8	10784.7	8172.9	5561.1	5238.7	4916.3	4596.0
57.5°	39413.1	31077.1	22741.0	16228.5	9716.4	7531.6	5346.4	5118.7	4890.9	4608.4
60°	41795.0	31504.3	21213.4	14748.6	8283.8	6698.9	5114.1	4935.0	4756.0	4569.5
62.5°	40585.5	29705.1	18824.8	12747.4	6670.0	5702.4	4734.8	4615.8	4497.1	4474.2
65°	38164.8	27159.4	16154.0	10705.6	5257.4	4805.8	4354.1	4298.0	4241.8	4244.6
67.5°	34921.2	24129.9	13338.5	8705.4	4072.3	3944.1	3815.6	3847.0	3878.1	3870.3
70°	31024.4	20824.2	10624.0	6854.3	3084.6	3121.3	3157.7	3303.2	3448.3	3448.3
72.5°	26380.7	17240.6	8100.9	5240.1	2379.4	2489.9	2600.8	2807.0	3012.9	3047.5
75°	20506.4	13132.6	5758.9	3803.2	1847.6	1947.9	2048.2	2279.1	2510.1	2669.7
77.5°	14651.5	9191.7	3731.9	2577.2	1422.4	1490.6	1559.1	1783.3	2007.6	2270.6
80°	9589.3	5922.0	2254.7	1660.4	1066.5	1094.7	1123.0	1312.9	1502.6	1816.9
82.5°	5574.2	3427.5	1281.2	1021.3	762.1	767.0	772.7	912.5	1052.3	1320.7
85°	2452.5	1541.8	631.4	545.9	460.8	458.4	455.5	557.9	660.4	859.9
87.5°	759.2	505.0	250.7	226.4	202.0	199.5	197.0	238.7	280.7	363.7
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°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
9106.6	2.5°	9038.8	8971.3	8910.2	8849.5	8796.2	8742.8	8689.2	8635.8	8594.5	8552.9
9026.1	5°	8898.2	8770.0	8662.7	8555.7	8461.0	8366.4	8280.6	8194.4	8128.4	8062.0
8997.1	7.5°	8826.9	8657.0	8515.8	8374.5	8255.5	8136.2	8030.9	7926.1	7847.3	7768.9
9011.2	10°	8831.8	8652.4	8511.2	8369.9	8241.8	8113.2	7994.9	7876.6	7782.7	7688.4
9028.9	12.5°	8882.0	8735.8	8641.9	8548.6	8447.6	8347.3	8224.8	8102.6	7982.6	7862.5
8953.7	15°	8883.4	8813.5	8826.2	8838.9	8812.8	8786.6	8680.3	8574.1	8403.1	8232.2
8724.1	17.5°	8749.9	8775.3	8929.3	9083.3	9165.2	9246.8	9161.0	9075.5	8849.1	8622.8
8349.8	20°	8469.9	8589.9	8857.3	9124.9	9296.2	9467.5	9427.9	9388.0	9129.2	8870.7
7925.0	22.5°	8102.6	8280.2	8585.4	8891.2	9114.0	9336.8	9360.8	9384.5	9137.3	8890.1
7512.9	25°	7717.7	7922.5	8196.9	8471.6	8690.9	8910.2	8992.2	9073.7	8871.0	8668.7
7152.7	27.5°	7350.4	7548.2	7773.9	7999.2	8175.0	8350.9	8442.0	8533.4	8389.0	8244.9
6835.9	30°	6992.7	7150.2	7337.4	7524.5	7670.4	7816.6	7890.7	7964.9	7855.1	7744.9
6558.4	32.5°	6651.2	6744.1	6893.5	7043.2	7183.1	7323.3	7405.5	7488.2	7387.2	7285.8
6296.3	35°	6321.8	6347.6	6461.6	6575.3	6713.8	6852.5	6951.4	7050.3	6978.2	6906.6
6021.6	37.5°	5993.4	5965.1	6047.0	6128.6	6266.7	6405.1	6527.3	6649.5	6616.3	6583.1
5720.7	40°	5656.8	5592.9	5651.9	5710.9	5844.3	5977.8	6118.4	6259.3	6267.4	6275.2
5401.2	42.5°	5316.4	5231.7	5279.7	5328.1	5454.5	5581.3	5733.1	5884.9	5925.6	5966.2
5083.3	45°	5000.7	4918.4	4958.7	4999.6	5119.7	5239.8	5397.3	5554.8	5613.0	5671.3
4799.8	47.5°	4730.6	4661.3	4699.5	4737.3	4854.9	4972.1	5127.5	5282.9	5350.0	5417.0
4550.1	50°	4488.7	4427.6	4486.9	4546.6	4657.5	4768.0	4907.1	5046.3	5132.4	5218.6
4364.0	52.5°	4303.3	4242.9	4332.2	4421.2	4522.9	4624.3	4753.9	4883.8	4985.9	5087.9
4265.1	55°	4169.1	4073.4	4200.2	4326.6	4436.0	4545.5	4659.2	4772.6	4880.6	4989.1
4205.8	57.5°	4066.0	3926.1	4062.4	4198.7	4327.3	4455.8	4568.1	4680.8	4789.9	4898.7
4150.0	60°	3968.9	3787.3	3907.1	4026.4	4174.0	4321.6	4435.7	4550.1	4659.6	4769.1
4085.0	62.5°	3858.3	3632.0	3707.9	3783.8	3955.8	4128.1	4249.9	4371.8	4472.1	4572.4
3948.0	65°	3707.2	3466.0	3495.3	3524.3	3708.6	3893.3	4009.8	4126.4	4214.6	4302.9
3703.7	67.5°	3503.1	3302.5	3293.3	3284.1	3454.3	3624.9	3735.4	3845.6	3921.9	3998.2
3393.6	70°	3250.9	3108.3	3076.5	3044.7	3194.4	3344.2	3439.5	3534.9	3603.7	3672.6
3048.2	72.5°	2950.4	2852.6	2806.0	2759.7	2877.7	2995.3	3081.4	3167.6	3235.0	3302.5
2656.3	75°	2581.0	2505.5	2461.0	2416.1	2503.7	2591.3	2669.3	2747.4	2808.8	2870.3
2263.6	77.5°	2203.2	2142.8	2097.6	2052.4	2123.7	2194.7	2261.8	2328.9	2393.5	2457.8
1815.8	80°	1765.3	1714.5	1676.7	1638.5	1697.9	1756.8	1813.3	1869.8	1918.9	1967.7
1335.5	82.5°	1310.8	1286.1	1259.3	1232.4	1227.5	1222.5	1202.8	1183.0	1287.5	1392.0
879.3	85°	852.8	826.3	796.3	766.3	740.9	715.1	660.4	605.6	703.4	801.6
388.4	87.5°	377.9	367.3	361.6	356.0	354.9	353.8	312.2	270.1	311.1	352.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
8519.3	2.5°	8485.8	8459.6	8433.5	8409.5	8385.1	8355.1	8385.1	8409.5	8433.5	8459.6
8015.7	5°	7969.5	7936.6	7903.8	7878.7	7853.7	7828.9	7853.7	7878.7	7903.8	7936.6
7713.8	7.5°	7658.7	7620.9	7583.5	7560.9	7538.7	7521.7	7538.7	7560.9	7583.5	7620.9
7627.0	10°	7564.8	7529.1	7493.5	7474.4	7455.3	7447.6	7455.3	7474.4	7493.5	7529.1
7783.0	12.5°	7703.6	7663.7	7624.1	7607.9	7591.6	7588.8	7591.6	7607.9	7624.1	7663.7
8111.4	15°	7990.7	7935.2	7880.1	7859.0	7837.8	7836.0	7837.8	7859.0	7880.1	7935.2
8444.8	17.5°	8266.8	8184.9	8102.6	8075.8	8048.6	8044.4	8048.6	8075.8	8102.6	8184.9
8652.4	20°	8434.6	8329.7	8224.5	8190.9	8157.4	8146.8	8157.4	8190.9	8224.5	8329.7
8665.5	22.5°	8440.6	8330.0	8219.2	8182.1	8145.0	8129.1	8145.0	8182.1	8219.2	8330.0
8468.8	25°	8269.7	8173.6	8077.9	8042.9	8008.3	7987.9	8008.3	8042.9	8077.9	8173.6
8089.9	27.5°	7934.9	7870.6	7806.0	7790.1	7774.2	7768.9	7774.2	7790.1	7806.0	7870.6
7634.0	30°	7522.4	7489.6	7456.4	7456.4	7456.4	7461.7	7456.4	7456.4	7456.4	7489.6
7197.2	32.5°	7108.6	7087.0	7065.5	7068.3	7071.5	7076.8	7071.5	7068.3	7065.5	7087.0
6824.6	35°	6743.1	6710.2	6677.7	6670.7	6663.6	6660.1	6663.6	6670.7	6677.7	6710.2
6507.9	37.5°	6432.3	6372.6	6313.3	6281.9	6250.4	6232.8	6250.4	6281.9	6313.3	6372.6
6211.2	40°	6147.3	6060.5	5974.3	5915.7	5857.8	5823.2	5857.8	5915.7	5974.3	6060.5
5912.1	42.5°	5858.5	5750.8	5643.1	5557.9	5472.8	5417.0	5472.8	5557.9	5643.1	5750.8
5622.6	45°	5574.2	5450.9	5328.1	5228.1	5128.2	5063.9	5128.2	5228.1	5328.1	5450.9
5383.1	47.5°	5349.2	5239.8	5130.3	5037.8	4945.6	4883.8	4945.6	5037.8	5130.3	5239.8
5216.5	50°	5215.1	5127.5	5039.9	4954.4	4869.0	4809.7	4869.0	4954.4	5039.9	5127.5
5106.3	52.5°	5124.7	5053.3	4982.0	4905.4	4829.1	4774.3	4829.1	4905.4	4982.0	5053.3
5014.5	55°	5039.9	4977.8	4915.6	4848.5	4781.4	4732.0	4781.4	4848.5	4915.6	4977.8
4924.4	57.5°	4950.2	4887.4	4824.5	4758.1	4691.4	4640.2	4691.4	4758.1	4824.5	4887.4
4797.3	60°	4825.6	4764.1	4703.0	4634.5	4566.0	4513.0	4566.0	4634.5	4703.0	4764.1
4599.5	62.5°	4626.7	4571.3	4515.9	4443.8	4371.8	4308.2	4371.8	4443.8	4515.9	4571.3
4330.8	65°	4358.4	4305.0	4251.7	4181.8	4112.2	4057.5	4112.2	4181.8	4251.7	4305.0
4025.4	67.5°	4052.2	4003.1	3954.4	3889.4	3824.4	3775.0	3824.4	3889.4	3954.4	4003.1
3698.7	70°	3724.8	3684.9	3645.0	3582.9	3520.7	3464.2	3520.7	3582.9	3645.0	3684.9
3333.6	72.5°	3364.6	3331.4	3298.3	3238.9	3180.0	3125.2	3180.0	3238.9	3298.3	3331.4
2902.7	75°	2935.2	2919.0	2902.7	2853.0	2803.2	2750.9	2803.2	2853.0	2902.7	2919.0
2488.2	77.5°	2518.5	2495.9	2472.6	2422.5	2372.3	2330.7	2372.3	2422.5	2472.6	2495.9
2007.9	80°	2048.2	2038.3	2028.7	1961.3	1893.5	1815.1	1893.5	1961.3	2028.7	2038.3
1460.6	82.5°	1529.1	1524.8	1520.2	1463.4	1406.2	1356.0	1406.2	1463.4	1520.2	1524.8
886.4	85°	971.1	964.1	957.0	912.5	868.0	822.8	868.0	912.5	957.0	964.1
386.7	87.5°	420.9	412.5	403.3	380.7	357.4	335.5	357.4	380.7	403.3	412.5
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
8485.8	2.5°	8519.3	8552.9	8594.5	8635.8	8689.2	8742.8	8796.2	8849.5	8910.2	8971.3
7969.5	5°	8015.7	8062.0	8128.4	8194.4	8280.6	8366.4	8461.0	8555.7	8662.7	8770.0
7658.7	7.5°	7713.8	7768.9	7847.3	7926.1	8030.9	8136.2	8255.5	8374.5	8515.8	8657.0
7564.8	10°	7627.0	7688.4	7782.7	7876.6	7994.9	8113.2	8241.8	8369.9	8511.2	8652.4
7703.6	12.5°	7783.0	7862.5	7982.6	8102.6	8224.8	8347.3	8447.6	8548.6	8641.9	8735.8
7990.7	15°	8111.4	8232.2	8403.1	8574.1	8680.3	8786.6	8812.8	8838.9	8826.2	8813.5
8266.8	17.5°	8444.8	8622.8	8849.1	9075.5	9161.0	9246.8	9165.2	9083.3	8929.3	8775.3
8434.6	20°	8652.4	8870.7	9129.2	9388.0	9427.9	9467.5	9296.2	9124.9	8857.3	8589.9
8440.6	22.5°	8665.5	8890.1	9137.3	9384.5	9360.8	9336.8	9114.0	8891.2	8585.4	8280.2
8269.7	25°	8468.8	8668.7	8871.0	9073.7	8992.2	8910.2	8690.9	8471.6	8196.9	7922.5
7934.9	27.5°	8089.9	8244.9	8389.0	8533.4	8442.0	8350.9	8175.0	7999.2	7773.9	7548.2
7522.4	30°	7634.0	7744.9	7855.1	7964.9	7890.7	7816.6	7670.4	7524.5	7337.4	7150.2
7108.6	32.5°	7197.2	7285.8	7387.2	7488.2	7405.5	7323.3	7183.1	7043.2	6893.5	6744.1
6743.1	35°	6824.6	6906.6	6978.2	7050.3	6951.4	6852.5	6713.8	6575.3	6461.6	6347.6
6432.3	37.5°	6507.9	6583.1	6616.3	6649.5	6527.3	6405.1	6266.7	6128.6	6047.0	5965.1
6147.3	40°	6211.2	6275.2	6267.4	6259.3	6118.4	5977.8	5844.3	5710.9	5651.9	5592.9
5858.5	42.5°	5912.1	5966.2	5925.6	5884.9	5733.1	5581.3	5454.5	5328.1	5279.7	5231.7
5574.2	45°	5622.6	5671.3	5613.0	5554.8	5397.3	5239.8	5119.7	4999.6	4958.7	4918.4
5349.2	47.5°	5383.1	5417.0	5350.0	5282.9	5127.5	4972.1	4854.9	4737.3	4699.5	4661.3
5215.1	50°	5216.5	5218.6	5132.4	5046.3	4907.1	4768.0	4657.5	4546.6	4486.9	4427.6
5124.7	52.5°	5106.3	5087.9	4985.9	4883.8	4753.9	4624.3	4522.9	4421.2	4332.2	4242.9
5039.9	55°	5014.5	4989.1	4880.6	4772.6	4659.2	4545.5	4436.0	4326.6	4200.2	4073.4
4950.2	57.5°	4924.4	4898.7	4789.9	4680.8	4568.1	4455.8	4327.3	4198.7	4062.4	3926.1
4825.6	60°	4797.3	4769.1	4659.6	4550.1	4435.7	4321.6	4174.0	4026.4	3907.1	3787.3
4626.7	62.5°	4599.5	4572.4	4472.1	4371.8	4249.9	4128.1	3955.8	3783.8	3707.9	3632.0
4358.4	65°	4330.8	4302.9	4214.6	4126.4	4009.8	3893.3	3708.6	3524.3	3495.3	3466.0
4052.2	67.5°	4025.4	3998.2	3921.9	3845.6	3735.4	3624.9	3454.3	3284.1	3293.3	3302.5
3724.8	70°	3698.7	3672.6	3603.7	3534.9	3439.5	3344.2	3194.4	3044.7	3076.5	3108.3
3364.6	72.5°	3333.6	3302.5	3235.0	3167.6	3081.4	2995.3	2877.7	2759.7	2806.0	2852.6
2935.2	75°	2902.7	2870.3	2808.8	2747.4	2669.3	2591.3	2503.7	2416.1	2461.0	2505.5
2518.5	77.5°	2488.2	2457.8	2393.5	2328.9	2261.8	2194.7	2123.7	2052.4	2097.6	2142.8
2048.2	80°	2007.9	1967.7	1918.9	1869.8	1813.3	1756.8	1697.9	1638.5	1676.7	1714.5
1529.1	82.5°	1460.6	1392.0	1287.5	1183.0	1202.8	1222.5	1227.5	1232.4	1259.3	1286.1
971.1	85°	886.4	801.6	703.4	605.6	660.4	715.1	740.9	766.3	796.3	826.3
420.9	87.5°	386.7	352.4	311.1	270.1	312.2	353.8	354.9	356.0	361.6	367.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
9038.8	2.5°	9106.6	9190.3	9265.5	9343.2	9420.9	9502.1	9583.3	9663.8	9744.7	9820.6
8898.2	5°	9026.1	9172.6	9320.9	9478.1	9635.2	9803.3	9971.7	10138.8	10306.2	10473.9
8826.9	7.5°	8997.1	9186.7	9389.1	9608.4	9827.7	10076.6	10325.6	10581.3	10836.9	11113.4
8831.8	10°	9011.2	9215.0	9464.7	9724.6	9983.8	10286.4	10588.7	10926.3	11264.2	11614.2
8882.0	12.5°	9028.9	9218.5	9480.9	9774.3	10067.8	10424.5	10781.1	11163.9	11546.7	11930.9
8883.4	15°	8953.7	9105.5	9396.1	9735.9	10075.6	10486.3	10897.0	11312.2	11727.5	12128.3
8749.9	17.5°	8724.1	8817.7	9159.5	9568.1	9976.7	10453.4	10930.1	11383.2	11836.3	12242.7
8469.9	20°	8349.8	8374.5	8772.5	9278.9	9785.3	10363.0	10940.7	11438.7	11936.6	12359.3
8102.6	22.5°	7925.0	7876.6	8329.7	8939.5	9549.4	10252.1	10954.9	11513.5	12071.8	12503.7
7717.7	25°	7512.9	7382.2	7846.6	8560.6	9275.0	10142.7	11010.7	11649.1	12287.2	12709.9
7350.4	27.5°	7152.7	6993.8	7416.5	8214.2	9011.9	10069.6	11127.2	11861.0	12594.5	12998.1
6992.7	30°	6835.9	6711.3	7066.2	7924.6	8783.1	10035.3	11286.8	12135.4	12984.0	13373.5
6651.2	32.5°	6558.4	6502.9	6789.0	7675.0	8560.6	9992.9	11424.5	12421.8	13419.0	13804.6
6321.8	35°	6296.3	6319.3	6557.7	7429.5	8301.4	9913.1	11525.5	12748.1	13970.6	14340.3
5993.4	37.5°	6021.6	6105.7	6314.0	7140.7	7967.4	9776.5	11585.6	13113.6	14641.6	15112.6
5656.8	40°	5720.7	5849.6	6038.6	6796.0	7553.5	9588.2	11623.3	13577.6	15531.5	16218.0
5316.4	42.5°	5401.2	5563.6	5737.7	6415.7	7093.7	9394.0	11695.0	14184.6	16674.2	17665.1
5000.7	45°	5083.3	5240.5	5417.0	6011.7	6606.4	9213.6	11821.1	14983.4	18145.7	19482.3
4730.6	47.5°	4799.8	4935.0	5162.8	5692.1	6221.5	9064.6	11907.6	15834.4	19761.3	21642.8
4488.7	50°	4550.1	4707.3	5006.7	5479.9	5953.1	8902.1	11851.1	16624.1	21397.0	24233.3
4303.3	52.5°	4364.0	4583.7	4928.0	5340.1	5752.5	8627.7	11503.3	17136.8	22770.0	26954.6
4169.1	55°	4265.1	4596.0	4916.3	5238.7	5561.1	8172.9	10784.7	17023.8	23262.6	29367.2
4066.0	57.5°	4205.8	4608.4	4890.9	5118.7	5346.4	7531.6	9716.4	16228.5	22741.0	31077.1
3968.9	60°	4150.0	4569.5	4756.0	4935.0	5114.1	6698.9	8283.8	14748.6	21213.4	31504.3
3858.3	62.5°	4085.0	4474.2	4497.1	4615.8	4734.8	5702.4	6670.0	12747.4	18824.8	29705.1
3707.2	65°	3948.0	4244.6	4241.8	4298.0	4354.1	4805.8	5257.4	10705.6	16154.0	27159.4
3503.1	67.5°	3703.7	3870.3	3878.1	3847.0	3815.6	3944.1	4072.3	8705.4	13338.5	24129.9
3250.9	70°	3393.6	3448.3	3448.3	3303.2	3157.7	3121.3	3084.6	6854.3	10624.0	20824.2
2950.4	72.5°	3048.2	3047.5	3012.9	2807.0	2600.8	2489.9	2379.4	5240.1	8100.9	17240.6
2581.0	75°	2656.3	2669.7	2510.1	2279.1	2048.2	1947.9	1847.6	3803.2	5758.9	13132.6
2203.2	77.5°	2263.6	2270.6	2007.6	1783.3	1559.1	1490.6	1422.4	2577.2	3731.9	9191.7
1765.3	80°	1815.8	1816.9	1502.6	1312.9	1123.0	1094.7	1066.5	1660.4	2254.7	5922.0
1310.8	82.5°	1335.5	1320.7	1052.3	912.5	772.7	767.0	762.1	1021.3	1281.2	3427.5
852.8	85°	879.3	859.9	660.4	557.9	455.5	458.4	460.8	545.9	631.4	1541.8
377.9	87.5°	388.4	363.7	280.7	238.7	197.0	199.5	202.0	226.4	250.7	505.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
9896.5	2.5°	9934.0	9971.7	10025.1	10078.4	10110.2	10142.0	10157.8	10173.7	10166.7	10173.7
10641.6	5°	10772.7	10904.0	11034.0	11164.3	11234.9	11305.5	11348.3	11391.3	11423.8	11391.3
11390.3	7.5°	11603.6	11816.5	12008.3	12200.0	12315.5	12431.0	12493.5	12555.6	12585.6	12555.6
11964.1	10°	12216.3	12468.4	12693.3	12918.3	13054.6	13190.2	13250.9	13311.3	13334.3	13311.3
12315.5	12.5°	12588.8	12861.8	13065.2	13267.9	13366.8	13465.6	13498.8	13532.0	13535.6	13532.0
12529.1	15°	12765.0	13000.6	13128.0	13255.9	13259.4	13262.9	13227.6	13192.3	13150.6	13192.3
12649.2	17.5°	12808.5	12967.7	12970.2	12972.3	12829.3	12686.3	12555.3	12423.9	12331.4	12423.9
12781.6	20°	12837.1	12892.9	12725.1	12557.4	12241.7	11926.0	11696.1	11466.2	11325.0	11466.2
12935.2	22.5°	12862.5	12789.7	12442.3	12094.8	11630.4	11166.0	10878.6	10591.1	10435.1	10591.1
13133.0	25°	12903.5	12673.9	12146.3	11618.8	11054.8	10490.9	10188.6	9887.0	9739.4	9887.0
13401.4	27.5°	12991.0	12580.3	11881.5	11183.0	10557.9	9932.9	9635.6	9338.6	9199.1	9338.6
13763.3	30°	13151.4	12539.7	11679.5	10819.3	10168.1	9516.9	9241.1	8965.3	8835.4	8965.3
14190.6	32.5°	13352.6	12515.0	11541.8	10568.5	9956.6	9344.6	9128.1	8911.3	8817.7	8911.3
14709.7	35°	13684.2	12659.1	11644.9	10631.0	10205.9	9781.1	9730.6	9680.1	9672.3	9680.1
15583.7	37.5°	14377.4	13171.1	12249.5	11327.8	11300.2	11272.7	11503.6	11734.6	11854.6	11734.6
16904.4	40°	15592.6	14280.7	13595.2	12909.8	13393.6	13877.4	14438.9	15000.4	15280.0	15000.4
18656.0	42.5°	17354.3	16052.7	15657.9	15263.1	16318.2	17373.4	18394.7	19415.9	20015.5	19415.9
20818.9	45°	19649.7	18480.1	18306.0	18131.6	19822.0	21512.8	23190.9	24869.3	25888.1	24869.3
23523.9	47.5°	22386.5	21248.7	21213.4	21178.0	23616.8	26054.8	28511.5	30967.9	32410.5	30967.9
27069.4	50°	25664.2	24259.5	24265.5	24271.5	27414.4	30557.2	33800.1	37042.9	39003.5	37042.9
31139.2	52.5°	29437.8	27736.8	27564.8	27392.5	31146.6	34900.8	38913.1	42925.0	45275.1	42925.0
35472.1	55°	33791.2	32110.3	31439.7	30769.1	34947.4	39125.3	43908.5	48691.6	51486.7	48691.6
39413.1	57.5°	38497.8	37582.1	36237.0	34892.3	39111.2	43330.0	48747.8	54165.2	57631.2	54165.2
41795.0	60°	43216.7	44638.7	42968.4	41298.1	45290.6	49283.1	55083.7	60884.2	64630.3	60884.2
40585.5	62.5°	44470.3	48355.1	48166.9	47978.3	51635.7	55293.4	60812.2	66330.6	69793.1	66330.6
38164.8	65°	41810.9	45456.9	46178.4	46899.5	51547.4	56195.7	61547.1	66898.1	69846.0	66898.1
34921.2	67.5°	38389.0	41856.8	42195.1	42533.0	47375.9	52218.4	57592.7	62967.0	65276.5	62967.0
31024.4	70°	34796.2	38568.4	38719.5	38871.0	43201.8	47532.3	52157.3	56781.9	58065.5	56781.9
26380.7	72.5°	30709.1	35037.8	35146.5	35255.0	38643.3	42031.6	45495.4	48959.0	49088.9	48959.0
20506.4	75°	24986.2	29466.1	29868.3	30270.5	32906.6	35542.8	37981.1	40419.5	39766.2	40419.5
14651.5	77.5°	18833.2	23015.4	23591.0	24166.6	26170.6	28174.7	29903.9	31633.6	30510.6	31633.6
9589.3	80°	13107.6	16625.5	17340.9	18056.4	19569.9	21082.7	21991.0	22898.9	21092.6	22898.9
5574.2	82.5°	7979.4	10384.9	11184.1	11983.5	13025.3	14067.0	14445.9	14824.5	13404.9	14824.5
2452.5	85°	3729.1	5005.6	5685.4	6365.2	7221.2	8076.8	8291.9	8507.0	7369.9	8507.0
759.2	87.5°	1188.3	1617.3	1996.6	2375.9	2803.9	3231.9	3250.2	3268.2	2743.8	3268.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
10157.8	2.5°	10142.0	10110.2	10078.4	10025.1	9971.7	9934.0	9896.5
11348.3	5°	11305.5	11234.9	11164.3	11034.0	10904.0	10772.7	10641.6
12493.5	7.5°	12431.0	12315.5	12200.0	12008.3	11816.5	11603.6	11390.3
13250.9	10°	13190.2	13054.6	12918.3	12693.3	12468.4	12216.3	11964.1
13498.8	12.5°	13465.6	13366.8	13267.9	13065.2	12861.8	12588.8	12315.5
13227.6	15°	13262.9	13259.4	13255.9	13128.0	13000.6	12765.0	12529.1
12555.3	17.5°	12686.3	12829.3	12972.3	12970.2	12967.7	12808.5	12649.2
11696.1	20°	11926.0	12241.7	12557.4	12725.1	12892.9	12837.1	12781.6
10878.6	22.5°	11166.0	11630.4	12094.8	12442.3	12789.7	12862.5	12935.2
10188.6	25°	10490.9	11054.8	11618.8	12146.3	12673.9	12903.5	13133.0
9635.6	27.5°	9932.9	10557.9	11183.0	11881.5	12580.3	12991.0	13401.4
9241.1	30°	9516.9	10168.1	10819.3	11679.5	12539.7	13151.4	13763.3
9128.1	32.5°	9344.6	9956.6	10568.5	11541.8	12515.0	13352.6	14190.6
9730.6	35°	9781.1	10205.9	10631.0	11644.9	12659.1	13684.2	14709.7
11503.6	37.5°	11272.7	11300.2	11327.8	12249.5	13171.1	14377.4	15583.7
14438.9	40°	13877.4	13393.6	12909.8	13595.2	14280.7	15592.6	16904.4
18394.7	42.5°	17373.4	16318.2	15263.1	15657.9	16052.7	17354.3	18656.0
23190.9	45°	21512.8	19822.0	18131.6	18306.0	18480.1	19649.7	20818.9
28511.5	47.5°	26054.8	23616.8	21178.0	21213.4	21248.7	22386.5	23523.9
33800.1	50°	30557.2	27414.4	24271.5	24265.5	24259.5	25664.2	27069.4
38913.1	52.5°	34900.8	31146.6	27392.5	27564.8	27736.8	29437.8	31139.2
43908.5	55°	39125.3	34947.4	30769.1	31439.7	32110.3	33791.2	35472.1
48747.8	57.5°	43330.0	39111.2	34892.3	36237.0	37582.1	38497.8	39413.1
55083.7	60°	49283.1	45290.6	41298.1	42968.4	44638.7	43216.7	41795.0
60812.2	62.5°	55293.4	51635.7	47978.3	48166.9	48355.1	44470.3	40585.5
61547.1	65°	56195.7	51547.4	46899.5	46178.4	45456.9	41810.9	38164.8
57592.7	67.5°	52218.4	47375.9	42533.0	42195.1	41856.8	38389.0	34921.2
52157.3	70°	47532.3	43201.8	38871.0	38719.5	38568.4	34796.2	31024.4
45495.4	72.5°	42031.6	38643.3	35255.0	35146.5	35037.8	30709.1	26380.7
37981.1	75°	35542.8	32906.6	30270.5	29868.3	29466.1	24986.2	20506.4
29903.9	77.5°	28174.7	26170.6	24166.6	23591.0	23015.4	18833.2	14651.5
21991.0	80°	21082.7	19569.9	18056.4	17340.9	16625.5	13107.6	9589.3
14445.9	82.5°	14067.0	13025.3	11983.5	11184.1	10384.9	7979.4	5574.2
8291.9	85°	8076.8	7221.2	6365.2	5685.4	5005.6	3729.1	2452.5
3250.2	87.5°	3231.9	2803.9	2375.9	1996.6	1617.3	1188.3	759.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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