

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: P957589

Luminaire Tested: **GALN-SB9D-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957589
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-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56216 lumens
Efficiency: N/A
Efficacy: 85.4 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

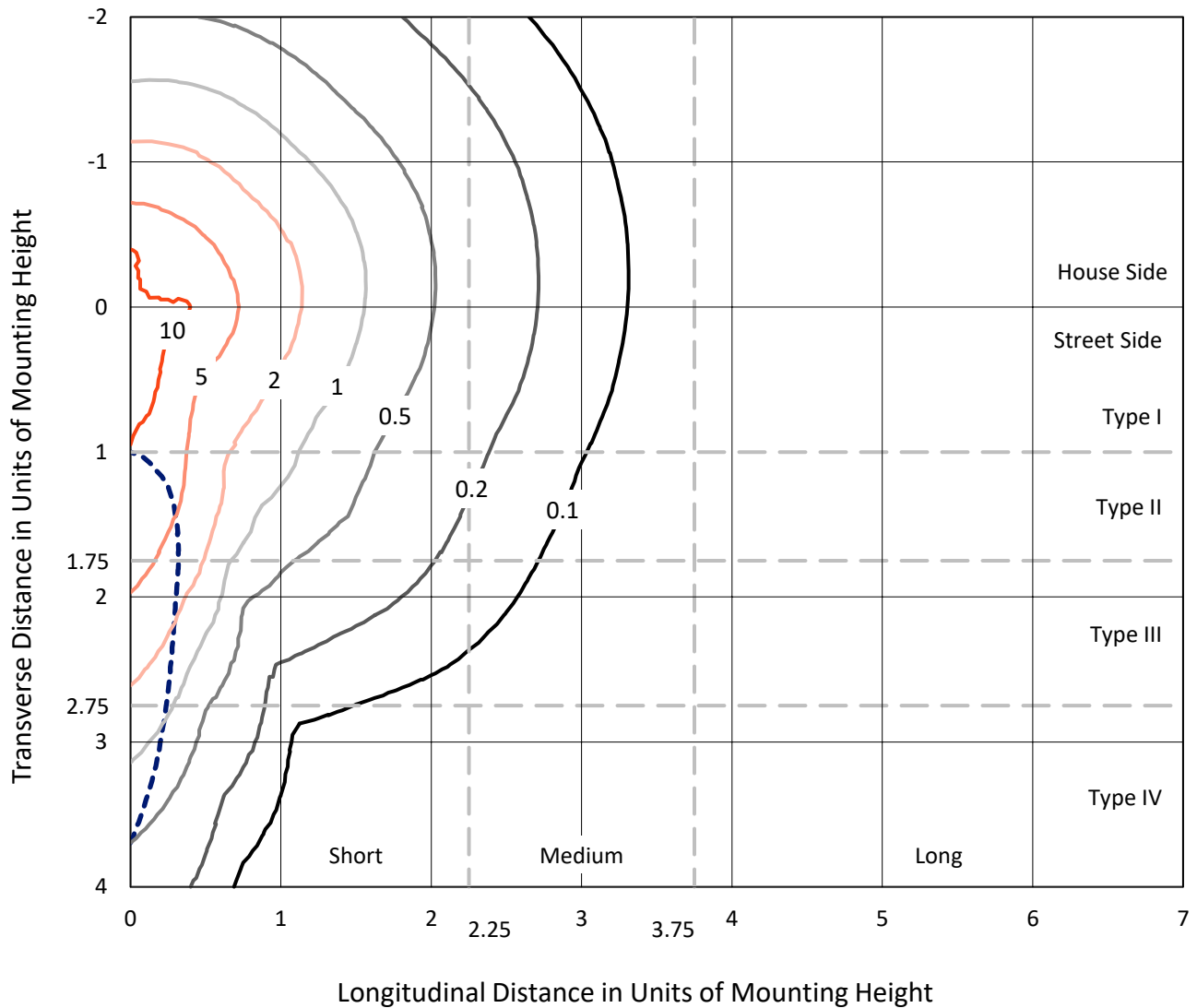
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

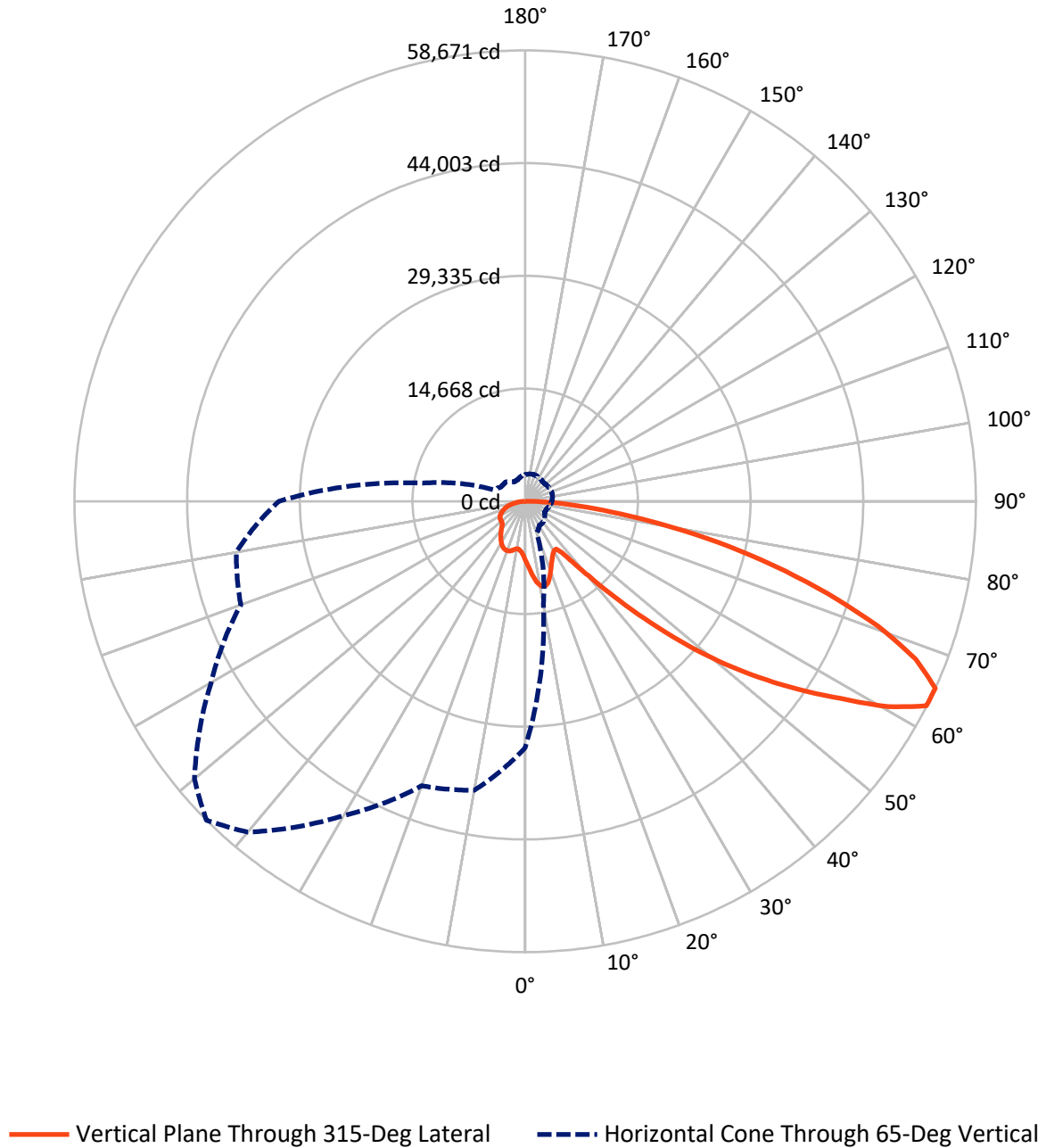
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 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	14287.3	0.0	14287.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41928.7	0.0	41928.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	56216.0	0.0	56216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.8	1.4
10°-20°	2407.2	4.3
20°-30°	3718.3	6.6
30°-40°	4712.1	8.4
40°-50°	7107.0	12.6
50°-60°	11482.4	20.4
60°-70°	14314.6	25.5
70°-80°	9386.8	16.7
80°-90°	2320.7	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°	56216.0	100.0
0°-180°	56216.0	100.0

Coefficient of Utilization



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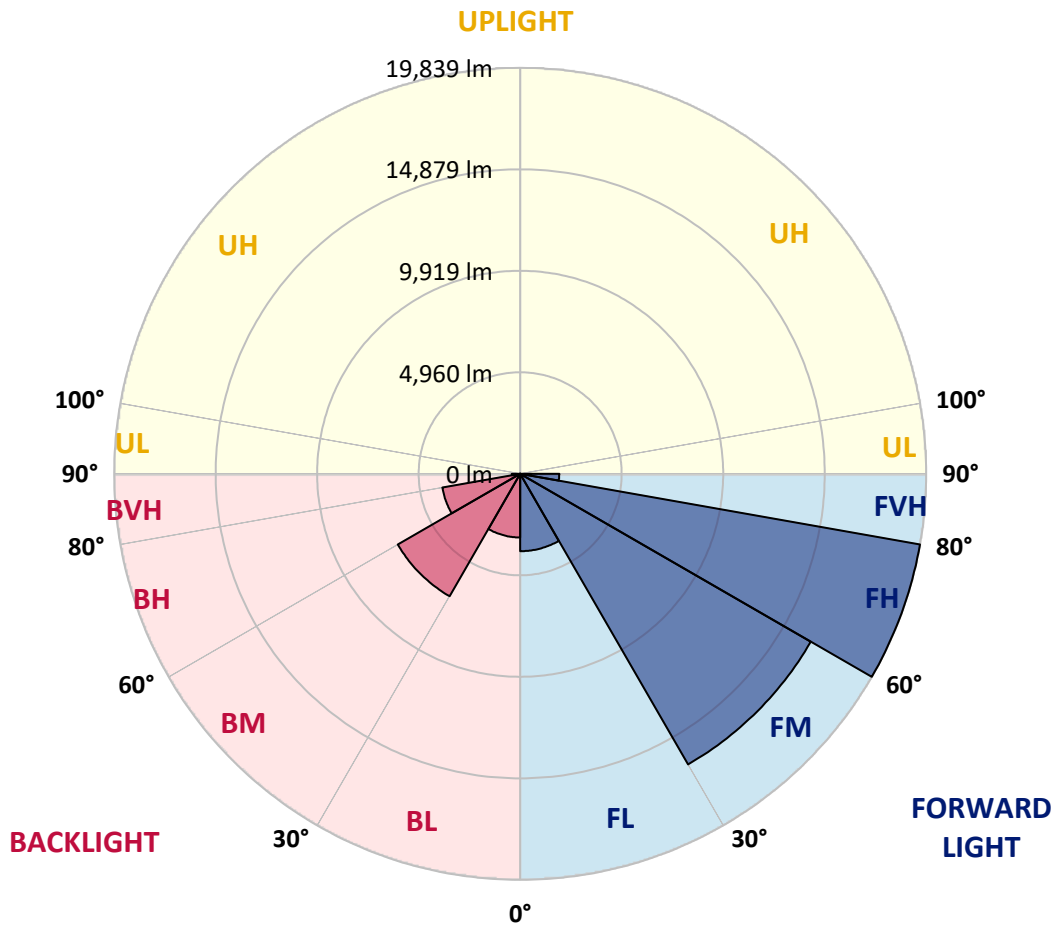
CATALOG NUMBER: GALN-SB9D-927-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3781.2	6.7			
FM (30°-60°)	16397.0	29.2			
FH (60°-80°)	19838.9	35.3			G5
FVH (80°-90°)	1911.7	3.4			G5
BL (0°-30°)	3111.2	5.5	B4/5000		
BM (30°-60°)	6904.5	12.3	B4/8500		
BH (60°-80°)	3862.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	408.9	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°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
2.5°	8313.1	8249.3	8185.5	8117.6	8050.0	7981.7	7913.5	7848.2	7783.0	7719.8
5°	8939.0	8798.1	8657.2	8516.6	8376.2	8234.8	8093.6	7961.6	7829.6	7705.0
7.5°	9567.8	9335.3	9103.0	8888.2	8673.5	8464.3	8255.2	8071.0	7886.8	7716.8
10°	10049.8	9755.9	9461.9	9178.0	8894.5	8640.5	8386.3	8168.6	7950.3	7740.6
12.5°	10345.0	10021.9	9699.2	9377.7	9056.1	8756.5	8456.9	8210.4	7963.9	7743.5
15°	10524.4	10187.8	9851.1	9502.3	9153.4	8808.4	8463.5	8178.1	7892.7	7648.6
17.5°	10625.3	10283.9	9942.5	9561.9	9181.3	8780.8	8380.4	8037.2	7694.0	7406.9
20°	10736.5	10381.8	10026.7	9608.4	9190.2	8704.9	8219.6	7794.3	7368.9	7034.6
22.5°	10865.6	10503.1	10140.3	9671.3	9202.1	8611.8	8021.5	7509.2	6996.9	6616.3
25°	11031.7	10676.3	10321.2	9785.2	9248.9	8519.8	7791.0	7190.9	6591.1	6201.1
27.5°	11257.1	10918.4	10579.3	9963.2	9346.8	8458.4	7570.0	6899.9	6229.8	5874.8
30°	11561.2	11233.7	10906.5	10193.7	9480.9	8429.6	7377.8	6656.7	5935.6	5637.5
32.5°	11920.1	11595.9	11271.9	10434.3	9596.6	8394.0	7190.9	6447.0	5702.7	5462.4
35°	12356.1	12045.9	11735.3	10708.4	9681.4	8327.0	6973.2	6240.8	5508.4	5308.2
37.5°	13090.3	12694.6	12298.9	11015.4	9731.8	8212.2	6692.6	5998.2	5303.7	5128.7
40°	14199.7	13623.0	13046.4	11405.1	9763.6	8054.1	6344.9	5708.6	5072.4	4913.7
42.5°	15671.0	14838.6	14006.3	11915.0	9823.8	7891.0	5958.7	5389.2	4819.6	4673.4
45°	17487.8	16365.1	15242.3	12586.0	9929.7	7739.4	5549.4	5049.8	4550.3	4402.0
47.5°	19760.0	18179.9	16599.4	13300.9	10002.4	7614.2	5226.0	4781.4	4336.7	4145.4
50°	22738.2	20356.0	17973.4	13964.2	9954.9	7477.8	5000.6	4603.1	4205.6	3954.1
52.5°	26156.9	22641.8	19126.7	14394.9	9662.7	7247.3	4832.1	4485.6	4139.5	3850.3
55°	29796.5	24668.4	19540.5	14300.0	9059.1	6865.2	4671.3	4400.5	4129.7	3860.6
57.5°	33106.9	26104.6	19102.4	13631.9	8161.8	6326.5	4491.0	4299.7	4108.3	3871.0
60°	35107.7	26463.6	17819.2	12388.8	6958.4	5627.1	4295.8	4145.4	3995.0	3838.4
62.5°	34091.7	24952.2	15812.8	10707.8	5602.8	4790.0	3977.2	3877.3	3777.6	3758.3
65°	32058.3	22813.8	13569.4	8992.6	4416.2	4036.8	3657.5	3610.3	3563.1	3565.5
67.5°	29333.8	20269.0	11204.3	7312.5	3420.7	3313.1	3205.1	3231.5	3257.6	3251.1
70°	26060.5	17492.3	8924.1	5757.6	2591.1	2621.9	2652.5	2774.7	2896.6	2896.6
72.5°	22159.8	14482.1	6804.7	4401.7	1998.7	2091.5	2184.7	2357.9	2530.8	2559.9
75°	17225.3	11031.4	4837.4	3194.7	1552.0	1636.2	1720.5	1914.5	2108.4	2242.5
77.5°	12307.2	7721.0	3134.8	2164.8	1194.8	1252.1	1309.6	1498.0	1686.3	1907.3
80°	8055.0	4974.5	1894.0	1394.8	895.8	919.6	943.3	1102.9	1262.2	1526.2
82.5°	4682.3	2879.1	1076.2	857.9	640.1	644.3	649.0	766.5	884.0	1109.4
85°	2060.1	1295.1	530.4	458.6	387.1	385.0	382.7	468.7	554.7	722.3
87.5°	637.8	424.2	210.6	190.1	169.7	167.6	165.5	200.5	235.8	305.5
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°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7649.5	2.5°	7592.5	7535.9	7484.6	7433.6	7388.8	7344.0	7298.9	7254.1	7219.4	7184.4
7581.9	5°	7474.5	7366.8	7276.6	7186.8	7107.3	7027.8	6955.7	6883.3	6827.8	6772.1
7557.5	7.5°	7414.6	7271.9	7153.2	7034.6	6934.6	6834.4	6746.0	6657.9	6591.7	6525.9
7569.4	10°	7418.7	7268.0	7149.4	7030.7	6923.1	6815.1	6715.7	6616.3	6537.4	6458.2
7584.2	12.5°	7460.8	7338.0	7259.1	7180.8	7096.0	7011.7	6908.8	6806.2	6705.3	6604.5
7521.1	15°	7462.0	7403.3	7414.0	7424.7	7402.7	7380.8	7291.5	7202.2	7058.6	6915.0
7328.3	17.5°	7349.9	7371.3	7500.6	7629.9	7698.7	7767.3	7695.2	7623.4	7433.3	7243.1
7013.8	20°	7114.7	7215.5	7440.1	7664.9	7808.8	7952.7	7919.4	7885.9	7668.5	7451.4
6657.0	22.5°	6806.2	6955.4	7211.7	7468.6	7655.7	7842.9	7863.1	7882.9	7675.3	7467.7
6310.8	25°	6482.9	6654.9	6885.4	7116.2	7300.4	7484.6	7553.4	7621.9	7451.6	7281.7
6008.2	27.5°	6174.4	6340.5	6530.0	6719.3	6867.0	7014.7	7091.2	7168.1	7046.7	6925.7
5742.2	30°	5873.9	6006.2	6163.4	6320.6	6443.1	6565.9	6628.2	6690.5	6598.2	6505.7
5509.0	32.5°	5587.0	5665.0	5790.5	5916.3	6033.8	6151.5	6220.6	6290.0	6205.2	6120.1
5288.9	35°	5310.3	5331.9	5427.7	5523.3	5639.5	5756.1	5839.2	5922.2	5861.7	5801.5
5058.1	37.5°	5034.4	5010.7	5079.5	5148.0	5264.0	5380.3	5482.9	5585.5	5557.7	5529.8
4805.4	40°	4751.7	4698.0	4747.6	4797.1	4909.2	5021.4	5139.4	5257.8	5264.6	5271.1
4537.0	42.5°	4465.8	4394.6	4434.9	4475.6	4581.8	4688.2	4815.8	4943.3	4977.5	5011.6
4270.0	45°	4200.6	4131.5	4165.3	4199.7	4300.5	4401.4	4533.7	4666.0	4714.9	4763.9
4031.8	47.5°	3973.7	3915.5	3947.6	3979.3	4078.1	4176.6	4307.1	4437.6	4493.9	4550.3
3822.1	50°	3770.5	3719.1	3769.0	3819.1	3912.3	4005.1	4122.0	4238.8	4311.2	4383.6
3665.8	52.5°	3614.7	3564.0	3639.1	3713.8	3799.2	3884.4	3993.2	4102.4	4188.1	4273.8
3582.7	55°	3502.0	3421.6	3528.1	3634.3	3726.3	3818.2	3913.7	4009.0	4099.7	4190.8
3532.9	57.5°	3415.4	3297.9	3412.4	3526.9	3634.9	3742.9	3837.2	3931.8	4023.5	4114.9
3486.0	60°	3333.8	3181.4	3281.9	3382.2	3506.2	3630.2	3726.0	3822.1	3914.0	4006.0
3431.4	62.5°	3241.0	3050.8	3114.6	3178.4	3322.9	3467.6	3569.9	3672.3	3756.5	3840.8
3316.3	65°	3114.0	2911.4	2936.0	2960.4	3115.2	3270.3	3368.2	3466.1	3540.3	3614.4
3111.1	67.5°	2942.6	2774.1	2766.4	2758.7	2901.6	3044.9	3137.8	3230.3	3294.4	3358.4
2850.6	70°	2730.8	2610.9	2584.2	2557.5	2683.3	2809.1	2889.2	2969.3	3027.1	3085.0
2560.5	72.5°	2478.3	2396.2	2357.0	2318.2	2417.2	2516.0	2588.4	2660.8	2717.4	2774.1
2231.3	75°	2168.1	2104.6	2067.2	2029.5	2103.1	2176.7	2242.2	2307.8	2359.4	2411.0
1901.4	77.5°	1850.7	1800.0	1762.0	1724.0	1783.9	1843.6	1899.9	1956.3	2010.6	2064.5
1525.3	80°	1482.9	1440.1	1408.4	1376.4	1426.2	1475.7	1523.2	1570.7	1611.9	1652.8
1121.9	82.5°	1101.1	1080.3	1057.8	1035.2	1031.1	1026.9	1010.3	993.7	1081.5	1169.3
738.6	85°	716.4	694.1	668.9	643.7	622.3	600.7	554.7	508.7	590.9	673.4
326.3	87.5°	317.4	308.5	303.7	299.0	298.1	297.2	262.2	226.9	261.3	296.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7156.2	2.5°	7128.0	7106.1	7084.1	7064.0	7043.5	7018.3	7043.5	7064.0	7084.1	7106.1
6733.2	5°	6694.4	6666.8	6639.2	6618.1	6597.1	6576.3	6597.1	6618.1	6639.2	6666.8
6479.6	7.5°	6433.3	6401.6	6370.1	6351.2	6332.5	6318.2	6332.5	6351.2	6370.1	6401.6
6406.6	10°	6354.4	6324.5	6294.5	6278.5	6262.5	6255.9	6262.5	6278.5	6294.5	6324.5
6537.7	12.5°	6471.0	6437.5	6404.2	6390.6	6377.0	6374.6	6377.0	6390.6	6404.2	6437.5
6813.6	15°	6712.1	6665.6	6619.3	6601.5	6583.7	6582.2	6583.7	6601.5	6619.3	6665.6
7093.6	17.5°	6944.1	6875.3	6806.2	6783.6	6760.8	6757.2	6760.8	6783.6	6806.2	6875.3
7268.0	20°	7085.0	6996.9	6908.5	6880.3	6852.2	6843.3	6852.2	6880.3	6908.5	6996.9
7279.0	22.5°	7090.1	6997.2	6904.1	6872.9	6841.8	6828.4	6841.8	6872.9	6904.1	6997.2
7113.8	25°	6946.5	6865.8	6785.4	6756.1	6727.0	6709.8	6727.0	6756.1	6785.4	6865.8
6795.5	27.5°	6665.3	6611.3	6557.0	6543.7	6530.3	6525.9	6530.3	6543.7	6557.0	6611.3
6412.6	30°	6318.8	6291.2	6263.3	6263.3	6263.3	6267.8	6263.3	6263.3	6263.3	6291.2
6045.6	32.5°	5971.2	5953.1	5935.0	5937.4	5940.0	5944.5	5940.0	5937.4	5935.0	5953.1
5732.7	35°	5664.2	5636.6	5609.3	5603.3	5597.4	5594.4	5597.4	5603.3	5609.3	5636.6
5466.6	37.5°	5403.1	5353.0	5303.2	5276.8	5250.4	5235.5	5250.4	5276.8	5303.2	5353.0
5217.4	40°	5163.7	5090.8	5018.4	4969.1	4920.5	4891.4	4920.5	4969.1	5018.4	5090.8
4966.2	42.5°	4921.1	4830.6	4740.2	4668.7	4597.2	4550.3	4597.2	4668.7	4740.2	4830.6
4722.9	45°	4682.3	4578.8	4475.6	4391.6	4307.7	4253.7	4307.7	4391.6	4475.6	4578.8
4521.8	47.5°	4493.4	4401.4	4309.4	4231.7	4154.3	4102.4	4154.3	4231.7	4309.4	4401.4
4381.8	50°	4380.6	4307.1	4233.5	4161.7	4089.9	4040.1	4089.9	4161.7	4233.5	4307.1
4289.3	52.5°	4304.7	4244.8	4184.9	4120.5	4056.4	4010.4	4056.4	4120.5	4184.9	4244.8
4212.1	55°	4233.5	4181.3	4129.1	4072.7	4016.4	3974.8	4016.4	4072.7	4129.1	4181.3
4136.5	57.5°	4158.2	4105.4	4052.6	3996.8	3940.7	3897.7	3940.7	3996.8	4052.6	4105.4
4029.7	60°	4053.5	4001.8	3950.5	3893.0	3835.4	3790.9	3835.4	3893.0	3950.5	4001.8
3863.6	62.5°	3886.4	3839.9	3793.3	3732.8	3672.3	3618.9	3672.3	3732.8	3793.3	3839.9
3637.9	65°	3661.0	3616.2	3571.4	3512.7	3454.3	3408.3	3454.3	3512.7	3571.4	3616.2
3381.3	67.5°	3403.8	3362.6	3321.7	3267.1	3212.5	3171.0	3212.5	3267.1	3321.7	3362.6
3106.9	70°	3128.9	3095.3	3061.8	3009.6	2957.4	2909.9	2957.4	3009.6	3061.8	3095.3
2800.2	72.5°	2826.3	2798.4	2770.5	2720.7	2671.2	2625.2	2671.2	2720.7	2770.5	2798.4
2438.3	75°	2465.6	2451.9	2438.3	2396.5	2354.7	2310.7	2354.7	2396.5	2438.3	2451.9
2090.1	77.5°	2115.6	2096.6	2077.0	2034.9	1992.8	1957.8	1992.8	2034.9	2077.0	2096.6
1686.6	80°	1720.5	1712.1	1704.1	1647.5	1590.5	1524.7	1590.5	1647.5	1704.1	1712.1
1226.9	82.5°	1284.4	1280.8	1277.0	1229.2	1181.2	1139.1	1181.2	1229.2	1277.0	1280.8
744.5	85°	815.7	809.8	803.9	766.5	729.1	691.1	729.1	766.5	803.9	809.8
324.8	87.5°	353.6	346.5	338.8	319.8	300.2	281.8	300.2	319.8	338.8	346.5
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°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7128.0	2.5°	7156.2	7184.4	7219.4	7254.1	7298.9	7344.0	7388.8	7433.6	7484.6	7535.9
6694.4	5°	6733.2	6772.1	6827.8	6883.3	6955.7	7027.8	7107.3	7186.8	7276.6	7366.8
6433.3	7.5°	6479.6	6525.9	6591.7	6657.9	6746.0	6834.4	6934.6	7034.6	7153.2	7271.9
6354.4	10°	6406.6	6458.2	6537.4	6616.3	6715.7	6815.1	6923.1	7030.7	7149.4	7268.0
6471.0	12.5°	6537.7	6604.5	6705.3	6806.2	6908.8	7011.7	7096.0	7180.8	7259.1	7338.0
6712.1	15°	6813.6	6915.0	7058.6	7202.2	7291.5	7380.8	7402.7	7424.7	7414.0	7403.3
6944.1	17.5°	7093.6	7243.1	7433.3	7623.4	7695.2	7767.3	7698.7	7629.9	7500.6	7371.3
7085.0	20°	7268.0	7451.4	7668.5	7885.9	7919.4	7952.7	7808.8	7664.9	7440.1	7215.5
7090.1	22.5°	7279.0	7467.7	7675.3	7882.9	7863.1	7842.9	7655.7	7468.6	7211.7	6955.4
6946.5	25°	7113.8	7281.7	7451.6	7621.9	7553.4	7484.6	7300.4	7116.2	6885.4	6654.9
6665.3	27.5°	6795.5	6925.7	7046.7	7168.1	7091.2	7014.7	6867.0	6719.3	6530.0	6340.5
6318.8	30°	6412.6	6505.7	6598.2	6690.5	6628.2	6565.9	6443.1	6320.6	6163.4	6006.2
5971.2	32.5°	6045.6	6120.1	6205.2	6290.0	6220.6	6151.5	6033.8	5916.3	5790.5	5665.0
5664.2	35°	5732.7	5801.5	5861.7	5922.2	5839.2	5756.1	5639.5	5523.3	5427.7	5331.9
5403.1	37.5°	5466.6	5529.8	5557.7	5585.5	5482.9	5380.3	5264.0	5148.0	5079.5	5010.7
5163.7	40°	5217.4	5271.1	5264.6	5257.8	5139.4	5021.4	4909.2	4797.1	4747.6	4698.0
4921.1	42.5°	4966.2	5011.6	4977.5	4943.3	4815.8	4688.2	4581.8	4475.6	4434.9	4394.6
4682.3	45°	4722.9	4763.9	4714.9	4666.0	4533.7	4401.4	4300.5	4199.7	4165.3	4131.5
4493.4	47.5°	4521.8	4550.3	4493.9	4437.6	4307.1	4176.6	4078.1	3979.3	3947.6	3915.5
4380.6	50°	4381.8	4383.6	4311.2	4238.8	4122.0	4005.1	3912.3	3819.1	3769.0	3719.1
4304.7	52.5°	4289.3	4273.8	4188.1	4102.4	3993.2	3884.4	3799.2	3713.8	3639.1	3564.0
4233.5	55°	4212.1	4190.8	4099.7	4009.0	3913.7	3818.2	3726.3	3634.3	3528.1	3421.6
4158.2	57.5°	4136.5	4114.9	4023.5	3931.8	3837.2	3742.9	3634.9	3526.9	3412.4	3297.9
4053.5	60°	4029.7	4006.0	3914.0	3822.1	3726.0	3630.2	3506.2	3382.2	3281.9	3181.4
3886.4	62.5°	3863.6	3840.8	3756.5	3672.3	3569.9	3467.6	3322.9	3178.4	3114.6	3050.8
3661.0	65°	3637.9	3614.4	3540.3	3466.1	3368.2	3270.3	3115.2	2960.4	2936.0	2911.4
3403.8	67.5°	3381.3	3358.4	3294.4	3230.3	3137.8	3044.9	2901.6	2758.7	2766.4	2774.1
3128.9	70°	3106.9	3085.0	3027.1	2969.3	2889.2	2809.1	2683.3	2557.5	2584.2	2610.9
2826.3	72.5°	2800.2	2774.1	2717.4	2660.8	2588.4	2516.0	2417.2	2318.2	2357.0	2396.2
2465.6	75°	2438.3	2411.0	2359.4	2307.8	2242.2	2176.7	2103.1	2029.5	2067.2	2104.6
2115.6	77.5°	2090.1	2064.5	2010.6	1956.3	1899.9	1843.6	1783.9	1724.0	1762.0	1800.0
1720.5	80°	1686.6	1652.8	1611.9	1570.7	1523.2	1475.7	1426.2	1376.4	1408.4	1440.1
1284.4	82.5°	1226.9	1169.3	1081.5	993.7	1010.3	1026.9	1031.1	1035.2	1057.8	1080.3
815.7	85°	744.5	673.4	590.9	508.7	554.7	600.7	622.3	643.7	668.9	694.1
353.6	87.5°	324.8	296.0	261.3	226.9	262.2	297.2	298.1	299.0	303.7	308.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7592.5	2.5°	7649.5	7719.8	7783.0	7848.2	7913.5	7981.7	8050.0	8117.6	8185.5	8249.3
7474.5	5°	7581.9	7705.0	7829.6	7961.6	8093.6	8234.8	8376.2	8516.6	8657.2	8798.1
7414.6	7.5°	7557.5	7716.8	7886.8	8071.0	8255.2	8464.3	8673.5	8888.2	9103.0	9335.3
7418.7	10°	7569.4	7740.6	7950.3	8168.6	8386.3	8640.5	8894.5	9178.0	9461.9	9755.9
7460.8	12.5°	7584.2	7743.5	7963.9	8210.4	8456.9	8756.5	9056.1	9377.7	9699.2	10021.9
7462.0	15°	7521.1	7648.6	7892.7	8178.1	8463.5	8808.4	9153.4	9502.3	9851.1	10187.8
7349.9	17.5°	7328.3	7406.9	7694.0	8037.2	8380.4	8780.8	9181.3	9561.9	9942.5	10283.9
7114.7	20°	7013.8	7034.6	7368.9	7794.3	8219.6	8704.9	9190.2	9608.4	10026.7	10381.8
6806.2	22.5°	6657.0	6616.3	6996.9	7509.2	8021.5	8611.8	9202.1	9671.3	10140.3	10503.1
6482.9	25°	6310.8	6201.1	6591.1	7190.9	7791.0	8519.8	9248.9	9785.2	10321.2	10676.3
6174.4	27.5°	6008.2	5874.8	6229.8	6899.9	7570.0	8458.4	9346.8	9963.2	10579.3	10918.4
5873.9	30°	5742.2	5637.5	5935.6	6656.7	7377.8	8429.6	9480.9	10193.7	10906.5	11233.7
5587.0	32.5°	5509.0	5462.4	5702.7	6447.0	7190.9	8394.0	9596.6	10434.3	11271.9	11595.9
5310.3	35°	5288.9	5308.2	5508.4	6240.8	6973.2	8327.0	9681.4	10708.4	11735.3	12045.9
5034.4	37.5°	5058.1	5128.7	5303.7	5998.2	6692.6	8212.2	9731.8	11015.4	12298.9	12694.6
4751.7	40°	4805.4	4913.7	5072.4	5708.6	6344.9	8054.1	9763.6	11405.1	13046.4	13623.0
4465.8	42.5°	4537.0	4673.4	4819.6	5389.2	5958.7	7891.0	9823.8	11915.0	14006.3	14838.6
4200.6	45°	4270.0	4402.0	4550.3	5049.8	5549.4	7739.4	9929.7	12586.0	15242.3	16365.1
3973.7	47.5°	4031.8	4145.4	4336.7	4781.4	5226.0	7614.2	10002.4	13300.9	16599.4	18179.9
3770.5	50°	3822.1	3954.1	4205.6	4603.1	5000.6	7477.8	9954.9	13964.2	17973.4	20356.0
3614.7	52.5°	3665.8	3850.3	4139.5	4485.6	4832.1	7247.3	9662.7	14394.9	19126.7	22641.8
3502.0	55°	3582.7	3860.6	4129.7	4400.5	4671.3	6865.2	9059.1	14300.0	19540.5	24668.4
3415.4	57.5°	3532.9	3871.0	4108.3	4299.7	4491.0	6326.5	8161.8	13631.9	19102.4	26104.6
3333.8	60°	3486.0	3838.4	3995.0	4145.4	4295.8	5627.1	6958.4	12388.8	17819.2	26463.6
3241.0	62.5°	3431.4	3758.3	3777.6	3877.3	3977.2	4790.0	5602.8	10707.8	15812.8	24952.2
3114.0	65°	3316.3	3565.5	3563.1	3610.3	3657.5	4036.8	4416.2	8992.6	13569.4	22813.8
2942.6	67.5°	3111.1	3251.1	3257.6	3231.5	3205.1	3313.1	3420.7	7312.5	11204.3	20269.0
2730.8	70°	2850.6	2896.6	2896.6	2774.7	2652.5	2621.9	2591.1	5757.6	8924.1	17492.3
2478.3	72.5°	2560.5	2559.9	2530.8	2357.9	2184.7	2091.5	1998.7	4401.7	6804.7	14482.1
2168.1	75°	2231.3	2242.5	2108.4	1914.5	1720.5	1636.2	1552.0	3194.7	4837.4	11031.4
1850.7	77.5°	1901.4	1907.3	1686.3	1498.0	1309.6	1252.1	1194.8	2164.8	3134.8	7721.0
1482.9	80°	1525.3	1526.2	1262.2	1102.9	943.3	919.6	895.8	1394.8	1894.0	4974.5
1101.1	82.5°	1121.9	1109.4	884.0	766.5	649.0	644.3	640.1	857.9	1076.2	2879.1
716.4	85°	738.6	722.3	554.7	468.7	382.7	385.0	387.1	458.6	530.4	1295.1
317.4	87.5°	326.3	305.5	235.8	200.5	165.5	167.6	169.7	190.1	210.6	424.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
8313.1	2.5°	8344.5	8376.2	8421.0	8465.8	8492.5	8519.2	8532.6	8545.9	8540.0	8545.9
8939.0	5°	9049.0	9159.3	9268.5	9378.0	9437.3	9496.6	9532.5	9568.7	9596.0	9568.7
9567.8	7.5°	9747.0	9925.8	10086.9	10248.0	10345.0	10442.0	10494.5	10546.7	10571.9	10546.7
10049.8	10°	10261.6	10473.4	10662.4	10851.3	10965.8	11079.7	11130.8	11181.5	11200.8	11181.5
10345.0	12.5°	10574.6	10803.9	10974.7	11145.0	11228.0	11311.1	11339.0	11366.9	11369.8	11366.9
10524.4	15°	10722.6	10920.4	11027.5	11134.9	11137.9	11140.8	11111.2	11081.5	11046.5	11081.5
10625.3	17.5°	10759.1	10892.9	10894.9	10896.7	10776.6	10656.4	10546.4	10436.0	10358.3	10436.0
10736.5	20°	10783.1	10830.0	10689.1	10548.2	10283.0	10017.8	9824.7	9631.6	9512.9	9631.6
10865.6	22.5°	10804.5	10743.4	10451.5	10159.6	9769.5	9379.4	9138.0	8896.5	8765.4	8896.5
11031.7	25°	10838.9	10646.1	10202.9	9759.7	9286.0	8812.3	8558.4	8305.1	8181.1	8305.1
11257.1	27.5°	10912.4	10567.5	9980.4	9393.7	8868.7	8343.6	8093.9	7844.4	7727.2	7844.4
11561.2	30°	11047.1	10533.3	9810.7	9088.2	8541.2	7994.2	7762.5	7530.8	7421.7	7530.8
11920.1	32.5°	11216.2	10512.6	9695.1	8877.5	8363.5	7849.4	7667.6	7485.5	7406.9	7485.5
12356.1	35°	11494.7	10633.6	9781.7	8930.1	8572.9	8216.1	8173.6	8131.2	8124.7	8131.2
13090.3	37.5°	12077.0	11063.7	10289.5	9515.3	9492.2	9469.0	9663.0	9857.0	9957.9	9857.0
14199.7	40°	13097.7	11995.7	11420.0	10844.2	11250.6	11657.0	12128.6	12600.3	12835.2	12600.3
15671.0	42.5°	14577.6	13484.2	13152.6	12821.0	13707.3	14593.6	15451.5	16309.3	16813.0	16309.3
17487.8	45°	16505.7	15523.3	15377.0	15230.5	16650.4	18070.7	19480.3	20890.2	21746.0	20890.2
19760.0	47.5°	18804.6	17848.8	17819.2	17789.5	19838.0	21886.0	23949.6	26013.0	27224.7	26013.0
22738.2	50°	21557.9	20377.9	20382.9	20388.0	23028.0	25668.0	28392.0	31115.9	32762.8	31115.9
26156.9	52.5°	24727.7	23298.8	23154.4	23009.6	26163.1	29316.6	32686.9	36056.9	38031.0	36056.9
29796.5	55°	28384.5	26972.6	26409.3	25846.0	29355.7	32865.1	36883.0	40900.9	43248.7	40900.9
33106.9	57.5°	32338.0	31568.9	30439.0	29309.4	32853.3	36397.1	40948.0	45498.6	48410.1	45498.6
35107.7	60°	36301.9	37496.4	36093.4	34690.3	38044.0	41397.7	46270.2	51142.6	54289.3	51142.6
34091.7	62.5°	37354.9	40618.2	40460.1	40301.7	43373.9	46446.4	51082.1	55717.5	58626.0	55717.5
32058.3	65°	35121.0	38183.7	38789.7	39395.5	43299.7	47204.3	51699.4	56194.2	58670.5	56194.2
29333.8	67.5°	32246.7	35159.6	35443.8	35727.6	39795.6	43863.3	48377.7	52892.1	54832.1	52892.1
26060.5	70°	29228.8	32397.4	32524.3	32651.6	36289.4	39927.0	43812.0	47696.7	48774.9	47696.7
22159.8	72.5°	25795.6	29431.7	29523.0	29614.1	32460.2	35306.4	38216.1	41125.4	41234.6	41125.4
17225.3	75°	20988.4	24751.4	25089.3	25427.1	27641.5	29855.8	31904.1	33952.3	33403.5	33952.3
12307.2	77.5°	15819.9	19332.9	19816.4	20299.9	21983.3	23666.6	25119.2	26572.1	25628.9	26572.1
8055.0	80°	11010.3	13965.4	14566.3	15167.3	16438.7	17709.4	18472.4	19235.0	17717.7	19235.0
4682.3	82.5°	6702.7	8723.3	9394.6	10066.1	10941.2	11816.3	12134.6	12452.5	11260.1	12452.5
2060.1	85°	3132.4	4204.7	4775.7	5346.8	6065.8	6784.5	6965.2	7145.8	6190.7	7145.8
637.8	87.5°	998.2	1358.6	1677.1	1995.7	2355.2	2714.8	2730.2	2745.3	2304.8	2745.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
8532.6	2.5°	8519.2	8492.5	8465.8	8421.0	8376.2	8344.5	8313.1
9532.5	5°	9496.6	9437.3	9378.0	9268.5	9159.3	9049.0	8939.0
10494.5	7.5°	10442.0	10345.0	10248.0	10086.9	9925.8	9747.0	9567.8
11130.8	10°	11079.7	10965.8	10851.3	10662.4	10473.4	10261.6	10049.8
11339.0	12.5°	11311.1	11228.0	11145.0	10974.7	10803.9	10574.6	10345.0
11111.2	15°	11140.8	11137.9	11134.9	11027.5	10920.4	10722.6	10524.4
10546.4	17.5°	10656.4	10776.6	10896.7	10894.9	10892.9	10759.1	10625.3
9824.7	20°	10017.8	10283.0	10548.2	10689.1	10830.0	10783.1	10736.5
9138.0	22.5°	9379.4	9769.5	10159.6	10451.5	10743.4	10804.5	10865.6
8558.4	25°	8812.3	9286.0	9759.7	10202.9	10646.1	10838.9	11031.7
8093.9	27.5°	8343.6	8868.7	9393.7	9980.4	10567.5	10912.4	11257.1
7762.5	30°	7994.2	8541.2	9088.2	9810.7	10533.3	11047.1	11561.2
7667.6	32.5°	7849.4	8363.5	8877.5	9695.1	10512.6	11216.2	11920.1
8173.6	35°	8216.1	8572.9	8930.1	9781.7	10633.6	11494.7	12356.1
9663.0	37.5°	9469.0	9492.2	9515.3	10289.5	11063.7	12077.0	13090.3
12128.6	40°	11657.0	11250.6	10844.2	11420.0	11995.7	13097.7	14199.7
15451.5	42.5°	14593.6	13707.3	12821.0	13152.6	13484.2	14577.6	15671.0
19480.3	45°	18070.7	16650.4	15230.5	15377.0	15523.3	16505.7	17487.8
23949.6	47.5°	21886.0	19838.0	17789.5	17819.2	17848.8	18804.6	19760.0
28392.0	50°	25668.0	23028.0	20388.0	20382.9	20377.9	21557.9	22738.2
32686.9	52.5°	29316.6	26163.1	23009.6	23154.4	23298.8	24727.7	26156.9
36883.0	55°	32865.1	29355.7	25846.0	26409.3	26972.6	28384.5	29796.5
40948.0	57.5°	36397.1	32853.3	29309.4	30439.0	31568.9	32338.0	33106.9
46270.2	60°	41397.7	38044.0	34690.3	36093.4	37496.4	36301.9	35107.7
51082.1	62.5°	46446.4	43373.9	40301.7	40460.1	40618.2	37354.9	34091.7
51699.4	65°	47204.3	43299.7	39395.5	38789.7	38183.7	35121.0	32058.3
48377.7	67.5°	43863.3	39795.6	35727.6	35443.8	35159.6	32246.7	29333.8
43812.0	70°	39927.0	36289.4	32651.6	32524.3	32397.4	29228.8	26060.5
38216.1	72.5°	35306.4	32460.2	29614.1	29523.0	29431.7	25795.6	22159.8
31904.1	75°	29855.8	27641.5	25427.1	25089.3	24751.4	20988.4	17225.3
25119.2	77.5°	23666.6	21983.3	20299.9	19816.4	19332.9	15819.9	12307.2
18472.4	80°	17709.4	16438.7	15167.3	14566.3	13965.4	11010.3	8055.0
12134.6	82.5°	11816.3	10941.2	10066.1	9394.6	8723.3	6702.7	4682.3
6965.2	85°	6784.5	6065.8	5346.8	4775.7	4204.7	3132.4	2060.1
2730.2	87.5°	2714.8	2355.2	1995.7	1677.1	1358.6	998.2	637.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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