

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: P956812

Luminaire Tested: **GALN-SB9B-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956812
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47403 lumens
Efficiency: N/A
Efficacy: 143.9 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

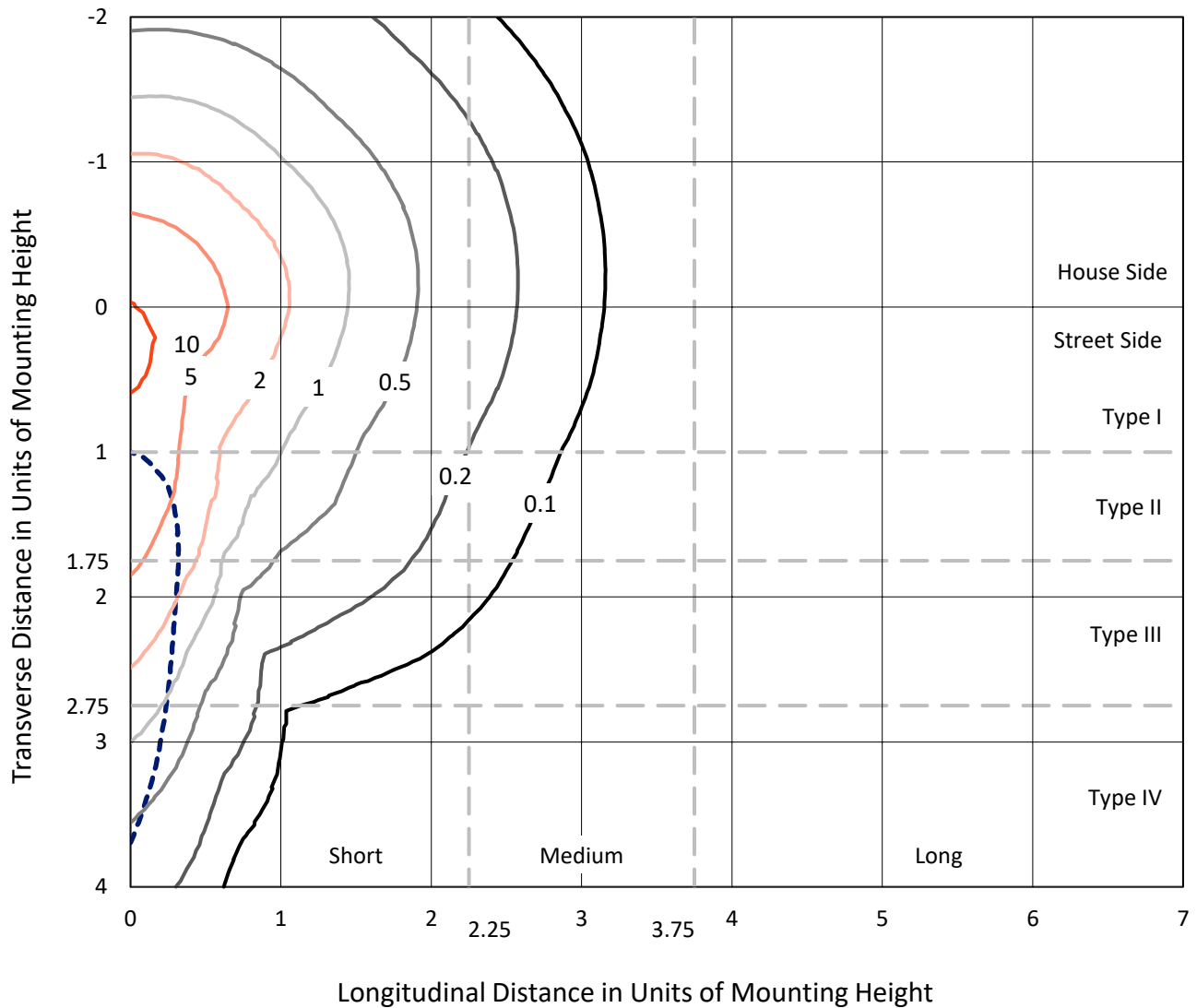
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

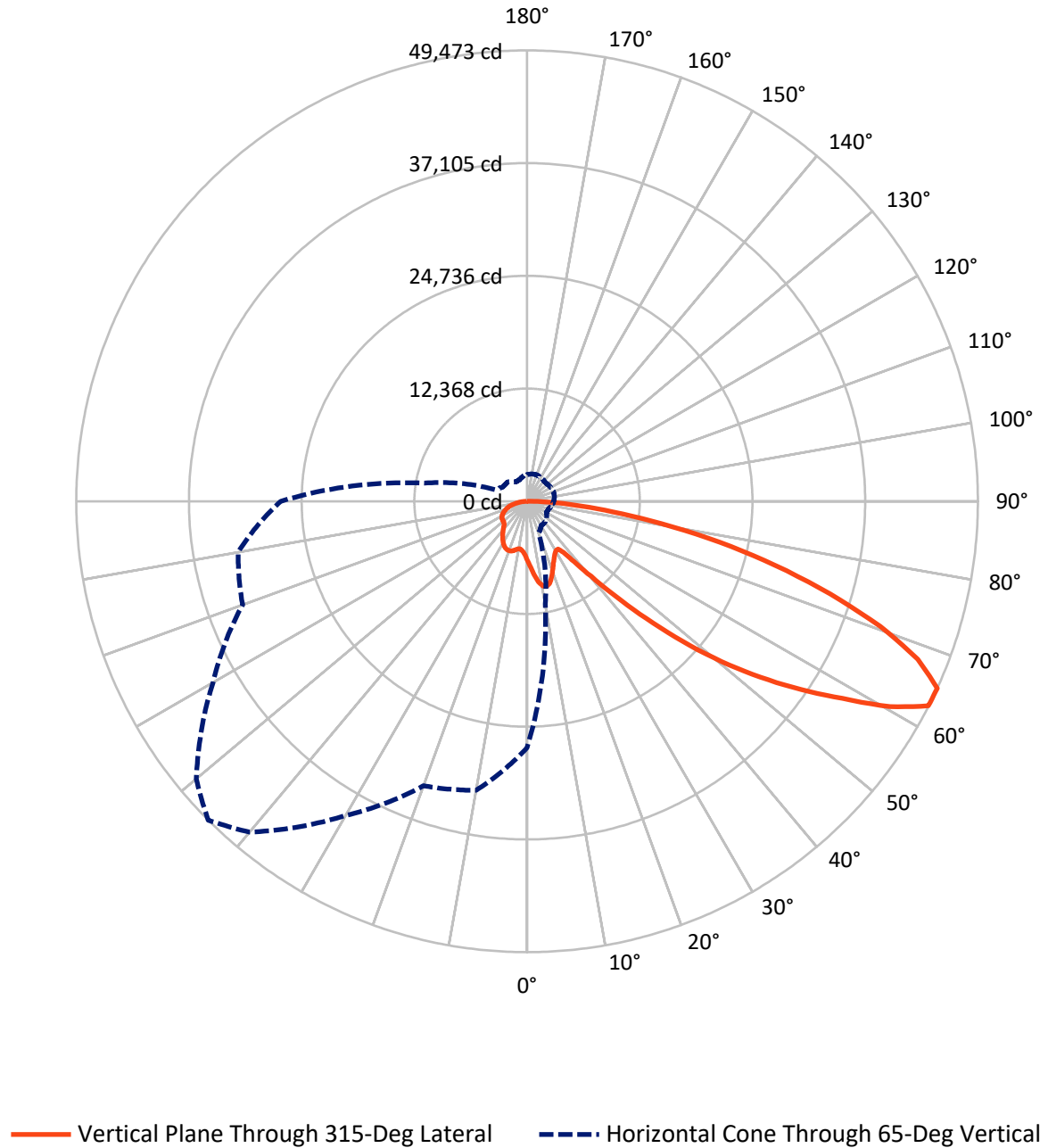
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	12047.5	0.0	12047.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	35355.5	0.0	35355.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	47403.0	0.0	47403.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.6	1.4
10°-20°	2029.9	4.3
20°-30°	3135.4	6.6
30°-40°	3973.4	8.4
40°-50°	5992.8	12.6
50°-60°	9682.3	20.4
60°-70°	12070.5	25.5
70°-80°	7915.3	16.7
80°-90°	1956.8	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°	47403.0	100.0
0°-180°	47403.0	100.0



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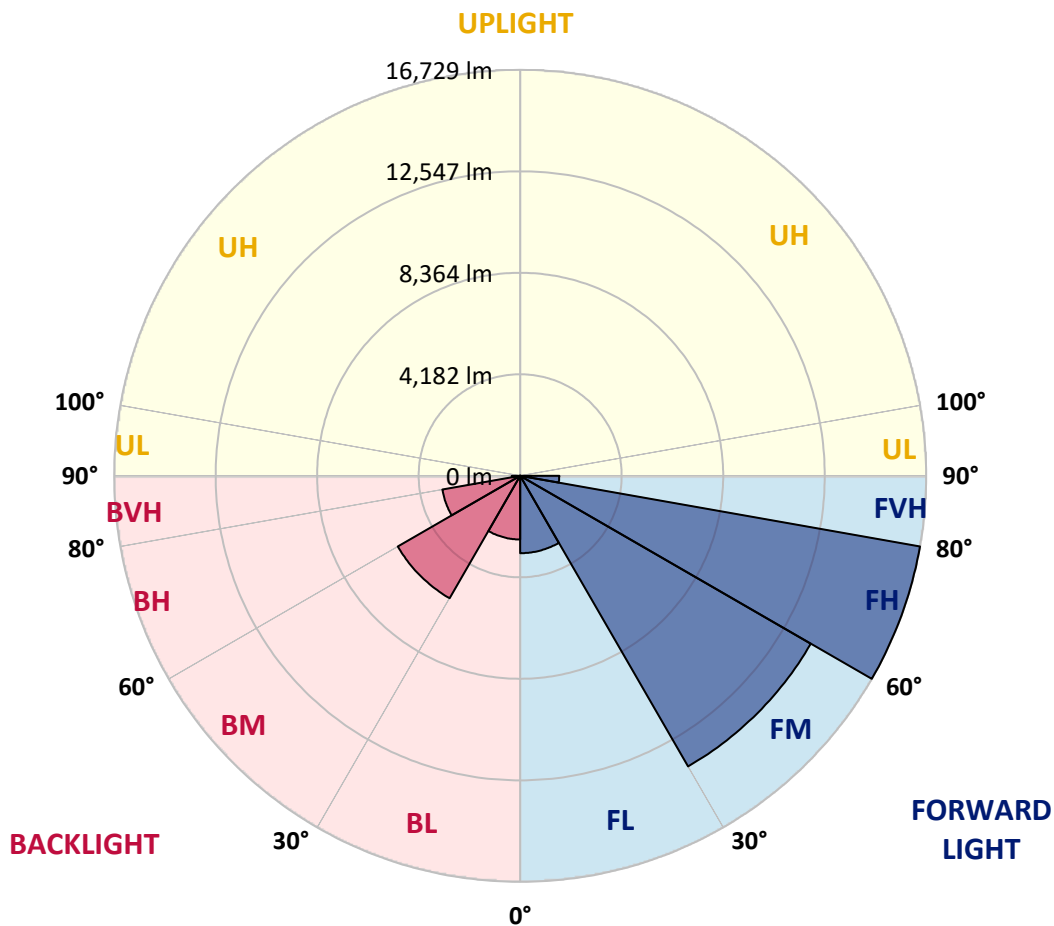
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3188.4	6.7			
FM (30°-60°)	13826.4	29.2			
FH (60°-80°)	16728.7	35.3			G5
FVH (80°-90°)	1612.0	3.4			G5
BL (0°-30°)	2623.5	5.5	B4/5000		
BM (30°-60°)	5822.1	12.3	B4/8500		
BH (60°-80°)	3257.1	6.9	B4/5000		G4/5000
BVH (80°-90°)	344.8	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°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
2.5°	7009.8	6956.0	6902.3	6845.0	6788.0	6730.4	6672.9	6617.9	6562.8	6509.6
5°	7537.6	7418.8	7300.0	7181.4	7063.1	6943.8	6824.7	6713.4	6602.1	6497.1
7.5°	8067.9	7871.8	7675.9	7494.8	7313.7	7137.4	6961.0	6805.7	6650.4	6507.1
10°	8474.3	8226.4	7978.6	7739.2	7500.1	7286.0	7071.6	6888.0	6703.9	6527.1
12.5°	8723.2	8450.8	8178.7	7907.5	7636.4	7383.8	7131.1	6923.3	6715.4	6529.6
15°	8874.5	8590.6	8306.7	8012.6	7718.4	7427.5	7136.6	6896.0	6655.4	6449.5
17.5°	8959.6	8671.7	8383.8	8062.9	7741.9	7404.3	7066.6	6777.2	6487.8	6245.7
20°	9053.4	8754.2	8454.8	8102.1	7749.4	7340.2	6931.0	6572.3	6213.7	5931.8
22.5°	9162.2	8856.5	8550.6	8155.2	7759.5	7261.7	6763.9	6332.0	5900.0	5579.1
25°	9302.2	9002.6	8703.2	8251.2	7799.0	7184.2	6569.6	6063.6	5557.8	5228.9
27.5°	9492.3	9206.7	8920.8	8401.3	7881.5	7132.4	6383.3	5818.2	5253.2	4953.8
30°	9748.7	9472.6	9196.7	8595.6	7994.6	7108.1	6221.2	5613.1	5005.0	4753.7
32.5°	10051.4	9778.0	9504.8	8798.5	8092.1	7078.1	6063.6	5436.3	4808.7	4606.1
35°	10419.1	10157.4	9895.5	9029.6	8163.7	7021.6	5880.0	5262.4	4644.9	4476.0
37.5°	11038.1	10704.5	10370.8	9288.5	8206.2	6924.8	5643.4	5057.8	4472.3	4324.7
40°	11973.6	11487.4	11001.1	9617.1	8232.9	6791.5	5350.2	4813.7	4277.2	4143.4
42.5°	13214.2	12512.4	11810.5	10047.1	8283.7	6653.9	5024.6	4544.3	4064.1	3940.8
45°	14746.3	13799.5	12852.8	10612.9	8373.0	6526.1	4679.4	4258.2	3837.0	3711.9
47.5°	16662.2	15329.8	13997.1	11215.7	8434.3	6420.5	4406.7	4031.8	3656.9	3495.5
50°	19173.5	17164.7	15155.7	11775.0	8394.3	6305.5	4216.6	3881.5	3546.3	3334.2
52.5°	22056.2	19092.2	16128.2	12138.2	8147.9	6111.1	4074.6	3782.4	3490.5	3246.7
55°	25125.3	20801.1	16477.1	12058.1	7638.9	5788.9	3939.0	3710.6	3482.3	3255.4
57.5°	27916.7	22012.2	16107.7	11494.9	6882.3	5334.7	3786.9	3625.6	3464.3	3264.2
60°	29603.8	22314.9	15025.7	10446.6	5867.5	4744.9	3622.3	3495.5	3368.7	3236.6
62.5°	28747.1	21040.5	13333.8	9029.1	4724.4	4039.1	3353.7	3269.4	3185.4	3169.1
65°	27032.5	19237.3	11442.1	7582.9	3723.9	3404.0	3084.1	3044.3	3004.5	3006.5
67.5°	24735.1	17091.5	9447.8	6166.1	2884.5	2793.7	2702.6	2724.9	2746.9	2741.4
70°	21974.9	14750.0	7525.1	4855.0	2184.9	2210.9	2236.6	2339.7	2442.5	2442.5
72.5°	18685.8	12211.7	5737.9	3711.6	1685.4	1763.6	1842.2	1988.3	2134.1	2158.6
75°	14524.9	9302.0	4079.1	2693.9	1308.7	1379.7	1450.7	1614.3	1777.9	1891.0
77.5°	10377.8	6510.6	2643.3	1825.4	1007.5	1055.8	1104.3	1263.1	1422.0	1608.3
80°	6792.2	4194.6	1597.1	1176.1	755.4	775.4	795.4	930.0	1064.3	1286.9
82.5°	3948.3	2427.7	907.5	723.4	539.8	543.3	547.3	646.3	745.4	935.5
85°	1737.1	1092.1	447.2	386.7	326.4	324.7	322.7	395.2	467.7	609.1
87.5°	537.8	357.7	177.6	160.3	143.1	141.3	139.6	169.1	198.9	257.6
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°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
6450.3	2.5°	6402.3	6354.5	6311.2	6268.2	6230.4	6192.7	6154.6	6116.9	6087.6	6058.1
6393.3	5°	6302.7	6211.9	6135.9	6060.1	5993.1	5926.0	5865.2	5804.2	5757.4	5710.4
6372.7	7.5°	6252.2	6131.9	6031.8	5931.8	5847.5	5762.9	5688.4	5614.1	5558.3	5502.8
6382.8	10°	6255.7	6128.6	6028.6	5928.5	5837.7	5746.7	5662.9	5579.1	5512.6	5445.8
6395.3	12.5°	6291.2	6187.7	6121.1	6055.1	5983.5	5912.5	5825.7	5739.2	5654.1	5569.1
6342.0	15°	6292.2	6242.7	6251.7	6260.7	6242.2	6223.7	6148.4	6073.1	5952.0	5831.0
6179.4	17.5°	6197.7	6215.7	6324.7	6433.8	6491.8	6549.6	6488.8	6428.3	6267.9	6107.6
5914.3	20°	5999.3	6084.3	6273.7	6463.3	6584.6	6705.9	6677.9	6649.6	6466.3	6283.2
5613.4	22.5°	5739.2	5865.0	6081.1	6297.7	6455.5	6613.4	6630.4	6647.1	6472.0	6297.0
5321.5	25°	5466.5	5611.6	5806.0	6000.6	6155.9	6311.2	6369.2	6427.0	6283.5	6140.1
5066.3	27.5°	5206.4	5346.5	5506.3	5665.9	5790.4	5915.0	5979.5	6044.3	5942.0	5840.0
4842.0	30°	4953.0	5064.6	5197.1	5329.7	5433.0	5536.6	5589.1	5641.6	5563.8	5485.8
4645.4	32.5°	4711.2	4776.9	4882.7	4988.8	5087.8	5187.1	5245.4	5304.0	5232.4	5160.6
4459.8	35°	4477.8	4496.0	4576.8	4657.4	4755.4	4853.7	4923.8	4993.8	4942.8	4892.0
4265.2	37.5°	4245.2	4225.2	4283.2	4341.0	4438.8	4536.8	4623.4	4709.9	4686.4	4662.9
4052.1	40°	4006.8	3961.5	4003.3	4045.1	4139.6	4234.2	4333.7	4433.5	4439.3	4444.8
3825.7	42.5°	3765.7	3705.6	3739.7	3773.9	3863.5	3953.3	4060.8	4168.4	4197.1	4225.9
3600.6	45°	3542.1	3483.8	3512.3	3541.3	3626.3	3711.4	3822.9	3934.5	3975.8	4017.0
3399.7	47.5°	3350.7	3301.7	3328.7	3355.5	3438.8	3521.8	3631.9	3741.9	3789.4	3837.0
3222.9	50°	3179.4	3136.1	3178.1	3220.4	3298.9	3377.2	3475.8	3574.3	3635.4	3696.4
3091.1	52.5°	3048.1	3005.3	3068.6	3131.6	3203.6	3275.4	3367.2	3459.3	3531.5	3603.8
3021.0	55°	2953.0	2885.2	2975.0	3064.6	3142.1	3219.6	3300.2	3380.5	3457.0	3533.8
2979.0	57.5°	2880.0	2780.9	2877.5	2974.0	3065.1	3156.1	3235.6	3315.4	3392.7	3469.8
2939.5	60°	2811.2	2682.6	2767.4	2852.0	2956.5	3061.1	3141.9	3222.9	3300.4	3378.0
2893.5	62.5°	2732.9	2572.6	2626.3	2680.1	2801.9	2924.0	3010.3	3096.6	3167.6	3238.6
2796.4	65°	2625.8	2455.0	2475.8	2496.3	2626.8	2757.7	2840.2	2922.7	2985.3	3047.8
2623.3	67.5°	2481.3	2339.2	2332.7	2326.2	2446.7	2567.6	2645.8	2723.9	2777.9	2831.9
2403.7	70°	2302.7	2201.6	2179.1	2156.6	2262.7	2368.7	2436.2	2503.8	2552.6	2601.3
2159.1	72.5°	2089.8	2020.5	1987.5	1954.7	2038.3	2121.6	2182.6	2243.6	2291.4	2339.2
1881.5	75°	1828.2	1774.7	1743.1	1711.4	1773.4	1835.4	1890.7	1946.0	1989.5	2033.0
1603.3	77.5°	1560.5	1517.8	1485.8	1453.7	1504.3	1554.5	1602.1	1649.6	1695.4	1740.9
1286.2	80°	1250.4	1214.4	1187.6	1160.6	1202.6	1244.4	1284.4	1324.4	1359.2	1393.7
946.0	82.5°	928.5	911.0	892.0	872.9	869.4	865.9	851.9	837.9	912.0	986.0
622.8	85°	604.1	585.3	564.0	542.8	524.8	506.5	467.7	429.0	498.3	567.8
275.1	87.5°	267.6	260.1	256.1	252.1	251.4	250.6	221.1	191.3	220.4	249.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
6034.3	2.5°	6010.6	5992.1	5973.5	5956.5	5939.3	5918.0	5939.3	5956.5	5973.5	5992.1
5677.6	5°	5644.9	5621.6	5598.4	5580.6	5562.8	5545.3	5562.8	5580.6	5598.4	5621.6
5463.8	7.5°	5424.8	5398.0	5371.5	5355.5	5339.7	5327.7	5339.7	5355.5	5371.5	5398.0
5402.3	10°	5358.2	5333.0	5307.7	5294.2	5280.7	5275.2	5280.7	5294.2	5307.7	5333.0
5512.8	12.5°	5456.5	5428.3	5400.3	5388.7	5377.2	5375.2	5377.2	5388.7	5400.3	5428.3
5745.4	15°	5659.9	5620.6	5581.6	5566.6	5551.6	5550.3	5551.6	5566.6	5581.6	5620.6
5981.5	17.5°	5855.5	5797.5	5739.2	5720.2	5700.9	5697.9	5700.9	5720.2	5739.2	5797.5
6128.6	20°	5974.3	5900.0	5825.5	5801.7	5777.9	5770.4	5777.9	5801.7	5825.5	5900.0
6137.9	22.5°	5978.5	5900.3	5821.7	5795.5	5769.2	5757.9	5769.2	5795.5	5821.7	5900.3
5998.6	25°	5857.5	5789.4	5721.7	5696.9	5672.4	5657.9	5672.4	5696.9	5721.7	5789.4
5730.2	27.5°	5620.4	5574.8	5529.1	5517.8	5506.6	5502.8	5506.6	5517.8	5529.1	5574.8
5407.3	30°	5328.2	5305.0	5281.4	5281.4	5281.4	5285.2	5281.4	5281.4	5281.4	5305.0
5097.8	32.5°	5035.1	5019.8	5004.5	5006.6	5008.8	5012.6	5008.8	5006.6	5004.5	5019.8
4834.0	35°	4776.2	4752.9	4729.9	4724.9	4719.9	4717.4	4719.9	4724.9	4729.9	4752.9
4609.6	37.5°	4556.1	4513.8	4471.8	4449.5	4427.3	4414.7	4427.3	4449.5	4471.8	4513.8
4399.5	40°	4354.2	4292.7	4231.7	4190.1	4149.1	4124.6	4149.1	4190.1	4231.7	4292.7
4187.6	42.5°	4149.6	4073.3	3997.0	3936.8	3876.5	3837.0	3876.5	3936.8	3997.0	4073.3
3982.5	45°	3948.3	3861.0	3773.9	3703.1	3632.4	3586.8	3632.4	3703.1	3773.9	3861.0
3812.9	47.5°	3788.9	3711.4	3633.9	3568.3	3503.0	3459.3	3503.0	3568.3	3633.9	3711.4
3694.9	50°	3693.9	3631.9	3569.8	3509.3	3448.8	3406.7	3448.8	3509.3	3569.8	3631.9
3616.8	52.5°	3629.8	3579.3	3528.8	3474.5	3420.5	3381.7	3420.5	3474.5	3528.8	3579.3
3551.8	55°	3569.8	3525.8	3481.8	3434.2	3386.7	3351.7	3386.7	3434.2	3481.8	3525.8
3488.0	57.5°	3506.3	3461.8	3417.2	3370.2	3322.9	3286.7	3322.9	3370.2	3417.2	3461.8
3398.0	60°	3418.0	3374.5	3331.2	3282.7	3234.1	3196.6	3234.1	3282.7	3331.2	3374.5
3257.9	62.5°	3277.2	3237.9	3198.6	3147.6	3096.6	3051.6	3096.6	3147.6	3198.6	3237.9
3067.6	65°	3087.1	3049.3	3011.5	2962.0	2912.7	2874.0	2912.7	2962.0	3011.5	3049.3
2851.2	67.5°	2870.2	2835.4	2800.9	2754.9	2708.9	2673.9	2708.9	2754.9	2800.9	2835.4
2619.8	70°	2638.3	2610.1	2581.8	2537.8	2493.8	2453.8	2493.8	2537.8	2581.8	2610.1
2361.2	72.5°	2383.2	2359.7	2336.2	2294.2	2252.4	2213.6	2252.4	2294.2	2336.2	2359.7
2056.0	75°	2079.1	2067.6	2056.0	2020.8	1985.5	1948.5	1985.5	2020.8	2056.0	2067.6
1762.4	77.5°	1783.9	1767.9	1751.4	1715.9	1680.4	1650.8	1680.4	1715.9	1751.4	1767.9
1422.2	80°	1450.7	1443.7	1437.0	1389.2	1341.2	1285.7	1341.2	1389.2	1437.0	1443.7
1034.5	82.5°	1083.1	1080.1	1076.8	1036.5	996.0	960.5	996.0	1036.5	1076.8	1080.1
627.8	85°	687.9	682.8	677.8	646.3	614.8	582.8	614.8	646.3	677.8	682.8
273.9	87.5°	298.2	292.1	285.6	269.6	253.1	237.6	253.1	269.6	285.6	292.1
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°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
6010.6	2.5°	6034.3	6058.1	6087.6	6116.9	6154.6	6192.7	6230.4	6268.2	6311.2	6354.5
5644.9	5°	5677.6	5710.4	5757.4	5804.2	5865.2	5926.0	5993.1	6060.1	6135.9	6211.9
5424.8	7.5°	5463.8	5502.8	5558.3	5614.1	5688.4	5762.9	5847.5	5931.8	6031.8	6131.9
5358.2	10°	5402.3	5445.8	5512.6	5579.1	5662.9	5746.7	5837.7	5928.5	6028.6	6128.6
5456.5	12.5°	5512.8	5569.1	5654.1	5739.2	5825.7	5912.5	5983.5	6055.1	6121.1	6187.7
5659.9	15°	5745.4	5831.0	5952.0	6073.1	6148.4	6223.7	6242.2	6260.7	6251.7	6242.7
5855.5	17.5°	5981.5	6107.6	6267.9	6428.3	6488.8	6549.6	6491.8	6433.8	6324.7	6215.7
5974.3	20°	6128.6	6283.2	6466.3	6649.6	6677.9	6705.9	6584.6	6463.3	6273.7	6084.3
5978.5	22.5°	6137.9	6297.0	6472.0	6647.1	6630.4	6613.4	6455.5	6297.7	6081.1	5865.0
5857.5	25°	5998.6	6140.1	6283.5	6427.0	6369.2	6311.2	6155.9	6000.6	5806.0	5611.6
5620.4	27.5°	5730.2	5840.0	5942.0	6044.3	5979.5	5915.0	5790.4	5665.9	5506.3	5346.5
5328.2	30°	5407.3	5485.8	5563.8	5641.6	5589.1	5536.6	5433.0	5329.7	5197.1	5064.6
5035.1	32.5°	5097.8	5160.6	5232.4	5304.0	5245.4	5187.1	5087.8	4988.8	4882.7	4776.9
4776.2	35°	4834.0	4892.0	4942.8	4993.8	4923.8	4853.7	4755.4	4657.4	4576.8	4496.0
4556.1	37.5°	4609.6	4662.9	4686.4	4709.9	4623.4	4536.8	4438.8	4341.0	4283.2	4225.2
4354.2	40°	4399.5	4444.8	4439.3	4433.5	4333.7	4234.2	4139.6	4045.1	4003.3	3961.5
4149.6	42.5°	4187.6	4225.9	4197.1	4168.4	4060.8	3953.3	3863.5	3773.9	3739.7	3705.6
3948.3	45°	3982.5	4017.0	3975.8	3934.5	3822.9	3711.4	3626.3	3541.3	3512.3	3483.8
3788.9	47.5°	3812.9	3837.0	3789.4	3741.9	3631.9	3521.8	3438.8	3355.5	3328.7	3301.7
3693.9	50°	3694.9	3696.4	3635.4	3574.3	3475.8	3377.2	3298.9	3220.4	3178.1	3136.1
3629.8	52.5°	3616.8	3603.8	3531.5	3459.3	3367.2	3275.4	3203.6	3131.6	3068.6	3005.3
3569.8	55°	3551.8	3533.8	3457.0	3380.5	3300.2	3219.6	3142.1	3064.6	2975.0	2885.2
3506.3	57.5°	3488.0	3469.8	3392.7	3315.4	3235.6	3156.1	3065.1	2974.0	2877.5	2780.9
3418.0	60°	3398.0	3378.0	3300.4	3222.9	3141.9	3061.1	2956.5	2852.0	2767.4	2682.6
3277.2	62.5°	3257.9	3238.6	3167.6	3096.6	3010.3	2924.0	2801.9	2680.1	2626.3	2572.6
3087.1	65°	3067.6	3047.8	2985.3	2922.7	2840.2	2757.7	2626.8	2496.3	2475.8	2455.0
2870.2	67.5°	2851.2	2831.9	2777.9	2723.9	2645.8	2567.6	2446.7	2326.2	2332.7	2339.2
2638.3	70°	2619.8	2601.3	2552.6	2503.8	2436.2	2368.7	2262.7	2156.6	2179.1	2201.6
2383.2	72.5°	2361.2	2339.2	2291.4	2243.6	2182.6	2121.6	2038.3	1954.7	1987.5	2020.5
2079.1	75°	2056.0	2033.0	1989.5	1946.0	1890.7	1835.4	1773.4	1711.4	1743.1	1774.7
1783.9	77.5°	1762.4	1740.9	1695.4	1649.6	1602.1	1554.5	1504.3	1453.7	1485.8	1517.8
1450.7	80°	1422.2	1393.7	1359.2	1324.4	1284.4	1244.4	1202.6	1160.6	1187.6	1214.4
1083.1	82.5°	1034.5	986.0	912.0	837.9	851.9	865.9	869.4	872.9	892.0	911.0
687.9	85°	627.8	567.8	498.3	429.0	467.7	506.5	524.8	542.8	564.0	585.3
298.2	87.5°	273.9	249.6	220.4	191.3	221.1	250.6	251.4	252.1	256.1	260.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
6402.3	2.5°	6450.3	6509.6	6562.8	6617.9	6672.9	6730.4	6788.0	6845.0	6902.3	6956.0
6302.7	5°	6393.3	6497.1	6602.1	6713.4	6824.7	6943.8	7063.1	7181.4	7300.0	7418.8
6252.2	7.5°	6372.7	6507.1	6650.4	6805.7	6961.0	7137.4	7313.7	7494.8	7675.9	7871.8
6255.7	10°	6382.8	6527.1	6703.9	6888.0	7071.6	7286.0	7500.1	7739.2	7978.6	8226.4
6291.2	12.5°	6395.3	6529.6	6715.4	6923.3	7131.1	7383.8	7636.4	7907.5	8178.7	8450.8
6292.2	15°	6342.0	6449.5	6655.4	6896.0	7136.6	7427.5	7718.4	8012.6	8306.7	8590.6
6197.7	17.5°	6179.4	6245.7	6487.8	6777.2	7066.6	7404.3	7741.9	8062.9	8383.8	8671.7
5999.3	20°	5914.3	5931.8	6213.7	6572.3	6931.0	7340.2	7749.4	8102.1	8454.8	8754.2
5739.2	22.5°	5613.4	5579.1	5900.0	6332.0	6763.9	7261.7	7759.5	8155.2	8550.6	8856.5
5466.5	25°	5321.5	5228.9	5557.8	6063.6	6569.6	7184.2	7799.0	8251.2	8703.2	9002.6
5206.4	27.5°	5066.3	4953.8	5253.2	5818.2	6383.3	7132.4	7881.5	8401.3	8920.8	9206.7
4953.0	30°	4842.0	4753.7	5005.0	5613.1	6221.2	7108.1	7994.6	8595.6	9196.7	9472.6
4711.2	32.5°	4645.4	4606.1	4808.7	5436.3	6063.6	7078.1	8092.1	8798.5	9504.8	9778.0
4477.8	35°	4459.8	4476.0	4644.9	5262.4	5880.0	7021.6	8163.7	9029.6	9895.5	10157.4
4245.2	37.5°	4265.2	4324.7	4472.3	5057.8	5643.4	6924.8	8206.2	9288.5	10370.8	10704.5
4006.8	40°	4052.1	4143.4	4277.2	4813.7	5350.2	6791.5	8232.9	9617.1	11001.1	11487.4
3765.7	42.5°	3825.7	3940.8	4064.1	4544.3	5024.6	6653.9	8283.7	10047.1	11810.5	12512.4
3542.1	45°	3600.6	3711.9	3837.0	4258.2	4679.4	6526.1	8373.0	10612.9	12852.8	13799.5
3350.7	47.5°	3399.7	3495.5	3656.9	4031.8	4406.7	6420.5	8434.3	11215.7	13997.1	15329.8
3179.4	50°	3222.9	3334.2	3546.3	3881.5	4216.6	6305.5	8394.3	11775.0	15155.7	17164.7
3048.1	52.5°	3091.1	3246.7	3490.5	3782.4	4074.6	6111.1	8147.9	12138.2	16128.2	19092.2
2953.0	55°	3021.0	3255.4	3482.3	3710.6	3939.0	5788.9	7638.9	12058.1	16477.1	20801.1
2880.0	57.5°	2979.0	3264.2	3464.3	3625.6	3786.9	5334.7	6882.3	11494.9	16107.7	22012.2
2811.2	60°	2939.5	3236.6	3368.7	3495.5	3622.3	4744.9	5867.5	10446.6	15025.7	22314.9
2732.9	62.5°	2893.5	3169.1	3185.4	3269.4	3353.7	4039.1	4724.4	9029.1	13333.8	21040.5
2625.8	65°	2796.4	3006.5	3004.5	3044.3	3084.1	3404.0	3723.9	7582.9	11442.1	19237.3
2481.3	67.5°	2623.3	2741.4	2746.9	2724.9	2702.6	2793.7	2884.5	6166.1	9447.8	17091.5
2302.7	70°	2403.7	2442.5	2442.5	2339.7	2236.6	2210.9	2184.9	4855.0	7525.1	14750.0
2089.8	72.5°	2159.1	2158.6	2134.1	1988.3	1842.2	1763.6	1685.4	3711.6	5737.9	12211.7
1828.2	75°	1881.5	1891.0	1777.9	1614.3	1450.7	1379.7	1308.7	2693.9	4079.1	9302.0
1560.5	77.5°	1603.3	1608.3	1422.0	1263.1	1104.3	1055.8	1007.5	1825.4	2643.3	6510.6
1250.4	80°	1286.2	1286.9	1064.3	930.0	795.4	775.4	755.4	1176.1	1597.1	4194.6
928.5	82.5°	946.0	935.5	745.4	646.3	547.3	543.3	539.8	723.4	907.5	2427.7
604.1	85°	622.8	609.1	467.7	395.2	322.7	324.7	326.4	386.7	447.2	1092.1
267.6	87.5°	275.1	257.6	198.9	169.1	139.6	141.3	143.1	160.3	177.6	357.7
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°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
7009.8	2.5°	7036.3	7063.1	7100.9	7138.6	7161.1	7183.7	7194.9	7206.2	7201.2	7206.2
7537.6	5°	7630.4	7723.4	7815.5	7907.8	7957.8	8007.8	8038.1	8068.6	8091.6	8068.6
8067.9	7.5°	8218.9	8369.8	8505.6	8641.4	8723.2	8805.0	8849.3	8893.3	8914.5	8893.3
8474.3	10°	8652.9	8831.5	8990.8	9150.2	9246.7	9342.8	9385.8	9428.6	9444.8	9428.6
8723.2	12.5°	8916.8	9110.1	9254.2	9397.8	9467.8	9537.9	9561.4	9584.9	9587.4	9584.9
8874.5	15°	9041.6	9208.4	9298.7	9389.3	9391.8	9394.3	9369.3	9344.3	9314.7	9344.3
8959.6	17.5°	9072.4	9185.2	9186.9	9188.4	9087.1	8985.8	8893.0	8800.0	8734.4	8800.0
9053.4	20°	9092.6	9132.2	9013.3	8894.5	8670.9	8447.3	8284.5	8121.6	8021.6	8121.6
9162.2	22.5°	9110.6	9059.1	8813.0	8566.9	8237.9	7909.0	7705.4	7501.8	7391.3	7501.8
9302.2	25°	9139.7	8977.1	8603.4	8229.7	7830.2	7430.8	7216.7	7003.1	6898.5	7003.1
9492.3	27.5°	9201.7	8910.8	8415.8	7921.0	7478.3	7035.6	6825.0	6614.6	6515.8	6614.6
9748.7	30°	9315.2	8882.0	8272.7	7663.4	7202.2	6740.9	6545.6	6350.2	6258.2	6350.2
10051.4	32.5°	9457.8	8864.5	8175.2	7485.8	7052.3	6618.9	6465.5	6312.0	6245.7	6312.0
10419.1	35°	9692.7	8966.6	8248.2	7530.1	7228.9	6928.0	6892.3	6856.5	6851.0	6856.5
11038.1	37.5°	10183.7	9329.3	8676.4	8023.6	8004.1	7984.6	8148.2	8311.7	8396.8	8311.7
11973.6	40°	11044.4	10115.2	9629.7	9144.2	9486.8	9829.5	10227.2	10624.9	10823.0	10624.9
13214.2	42.5°	12292.3	11370.3	11090.7	10811.0	11558.4	12305.8	13029.1	13752.5	14177.2	13752.5
14746.3	45°	13918.1	13089.7	12966.4	12842.8	14040.2	15237.8	16426.4	17615.2	18336.8	17615.2
16662.2	47.5°	15856.6	15050.7	15025.7	15000.6	16728.0	18454.9	20195.0	21934.9	22956.7	21934.9
19173.5	50°	18178.3	17183.3	17187.5	17191.8	19417.9	21644.0	23940.9	26237.9	27626.6	26237.9
22056.2	52.5°	20851.1	19646.3	19524.4	19402.4	22061.5	24720.6	27562.5	30404.2	32068.8	30404.2
25125.3	55°	23934.7	22744.1	22269.1	21794.1	24753.6	27712.9	31100.8	34488.8	36468.6	34488.8
27916.7	57.5°	27268.4	26619.8	25667.1	24714.6	27702.9	30691.1	34528.6	38365.8	40820.8	38365.8
29603.8	60°	30610.8	31618.1	30435.0	29251.9	32079.8	34907.8	39016.4	43125.0	45778.3	43125.0
28747.1	62.5°	31498.8	34250.4	34117.1	33983.6	36574.1	39165.0	43073.9	46982.7	49435.2	46982.7
27032.5	65°	29615.1	32197.7	32708.7	33219.4	36511.6	39804.0	43594.5	47384.6	49472.7	47384.6
24735.1	67.5°	27191.4	29647.6	29887.2	30126.6	33556.8	36986.8	40793.5	44600.2	46236.1	44600.2
21974.9	70°	24646.6	27318.4	27425.5	27532.8	30600.3	33667.7	36943.6	40219.2	41128.5	40219.2
18685.8	72.5°	21751.6	24817.6	24894.7	24971.5	27371.4	29771.4	32224.9	34678.2	34770.2	34678.2
14524.9	75°	17698.0	20871.1	21156.0	21440.9	23308.1	25175.3	26902.5	28629.6	28166.8	28629.6
10377.8	77.5°	13339.8	16302.1	16709.8	17117.5	18536.9	19956.4	21181.3	22406.4	21611.0	22406.4
6792.2	80°	9284.2	11776.0	12282.8	12789.5	13861.6	14933.1	15576.4	16219.5	14940.1	16219.5
3948.3	82.5°	5651.9	7355.7	7921.8	8488.1	9226.0	9963.8	10232.2	10500.3	9494.8	10500.3
1737.1	85°	2641.3	3545.6	4027.1	4508.5	5114.9	5720.9	5873.2	6025.6	5220.2	6025.6
537.8	87.5°	841.7	1145.6	1414.2	1682.9	1986.0	2289.2	2302.2	2314.9	1943.5	2314.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
6518.3	0°	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3	6518.3
7194.9	2.5°	7183.7	7161.1	7138.6	7100.9	7063.1	7036.3	7009.8
8038.1	5°	8007.8	7957.8	7907.8	7815.5	7723.4	7630.4	7537.6
8849.3	7.5°	8805.0	8723.2	8641.4	8505.6	8369.8	8218.9	8067.9
9385.8	10°	9342.8	9246.7	9150.2	8990.8	8831.5	8652.9	8474.3
9561.4	12.5°	9537.9	9467.8	9397.8	9254.2	9110.1	8916.8	8723.2
9369.3	15°	9394.3	9391.8	9389.3	9298.7	9208.4	9041.6	8874.5
8893.0	17.5°	8985.8	9087.1	9188.4	9186.9	9185.2	9072.4	8959.6
8284.5	20°	8447.3	8670.9	8894.5	9013.3	9132.2	9092.6	9053.4
7705.4	22.5°	7909.0	8237.9	8566.9	8813.0	9059.1	9110.6	9162.2
7216.7	25°	7430.8	7830.2	8229.7	8603.4	8977.1	9139.7	9302.2
6825.0	27.5°	7035.6	7478.3	7921.0	8415.8	8910.8	9201.7	9492.3
6545.6	30°	6740.9	7202.2	7663.4	8272.7	8882.0	9315.2	9748.7
6465.5	32.5°	6618.9	7052.3	7485.8	8175.2	8864.5	9457.8	10051.4
6892.3	35°	6928.0	7228.9	7530.1	8248.2	8966.6	9692.7	10419.1
8148.2	37.5°	7984.6	8004.1	8023.6	8676.4	9329.3	10183.7	11038.1
10227.2	40°	9829.5	9486.8	9144.2	9629.7	10115.2	11044.4	11973.6
13029.1	42.5°	12305.8	11558.4	10811.0	11090.7	11370.3	12292.3	13214.2
16426.4	45°	15237.8	14040.2	12842.8	12966.4	13089.7	13918.1	14746.3
20195.0	47.5°	18454.9	16728.0	15000.6	15025.7	15050.7	15856.6	16662.2
23940.9	50°	21644.0	19417.9	17191.8	17187.5	17183.3	18178.3	19173.5
27562.5	52.5°	24720.6	22061.5	19402.4	19524.4	19646.3	20851.1	22056.2
31100.8	55°	27712.9	24753.6	21794.1	22269.1	22744.1	23934.7	25125.3
34528.6	57.5°	30691.1	27702.9	24714.6	25667.1	26619.8	27268.4	27916.7
39016.4	60°	34907.8	32079.8	29251.9	30435.0	31618.1	30610.8	29603.8
43073.9	62.5°	39165.0	36574.1	33983.6	34117.1	34250.4	31498.8	28747.1
43594.5	65°	39804.0	36511.6	33219.4	32708.7	32197.7	29615.1	27032.5
40793.5	67.5°	36986.8	33556.8	30126.6	29887.2	29647.6	27191.4	24735.1
36943.6	70°	33667.7	30600.3	27532.8	27425.5	27318.4	24646.6	21974.9
32224.9	72.5°	29771.4	27371.4	24971.5	24894.7	24817.6	21751.6	18685.8
26902.5	75°	25175.3	23308.1	21440.9	21156.0	20871.1	17698.0	14524.9
21181.3	77.5°	19956.4	18536.9	17117.5	16709.8	16302.1	13339.8	10377.8
15576.4	80°	14933.1	13861.6	12789.5	12282.8	11776.0	9284.2	6792.2
10232.2	82.5°	9963.8	9226.0	8488.1	7921.8	7355.7	5651.9	3948.3
5873.2	85°	5720.9	5114.9	4508.5	4027.1	3545.6	2641.3	1737.1
2302.2	87.5°	2289.2	1986.0	1682.9	1414.2	1145.6	841.7	537.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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