

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: P951835

Luminaire Tested: **GALN-SB5D-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951835
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-SB5D-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 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: 48992 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

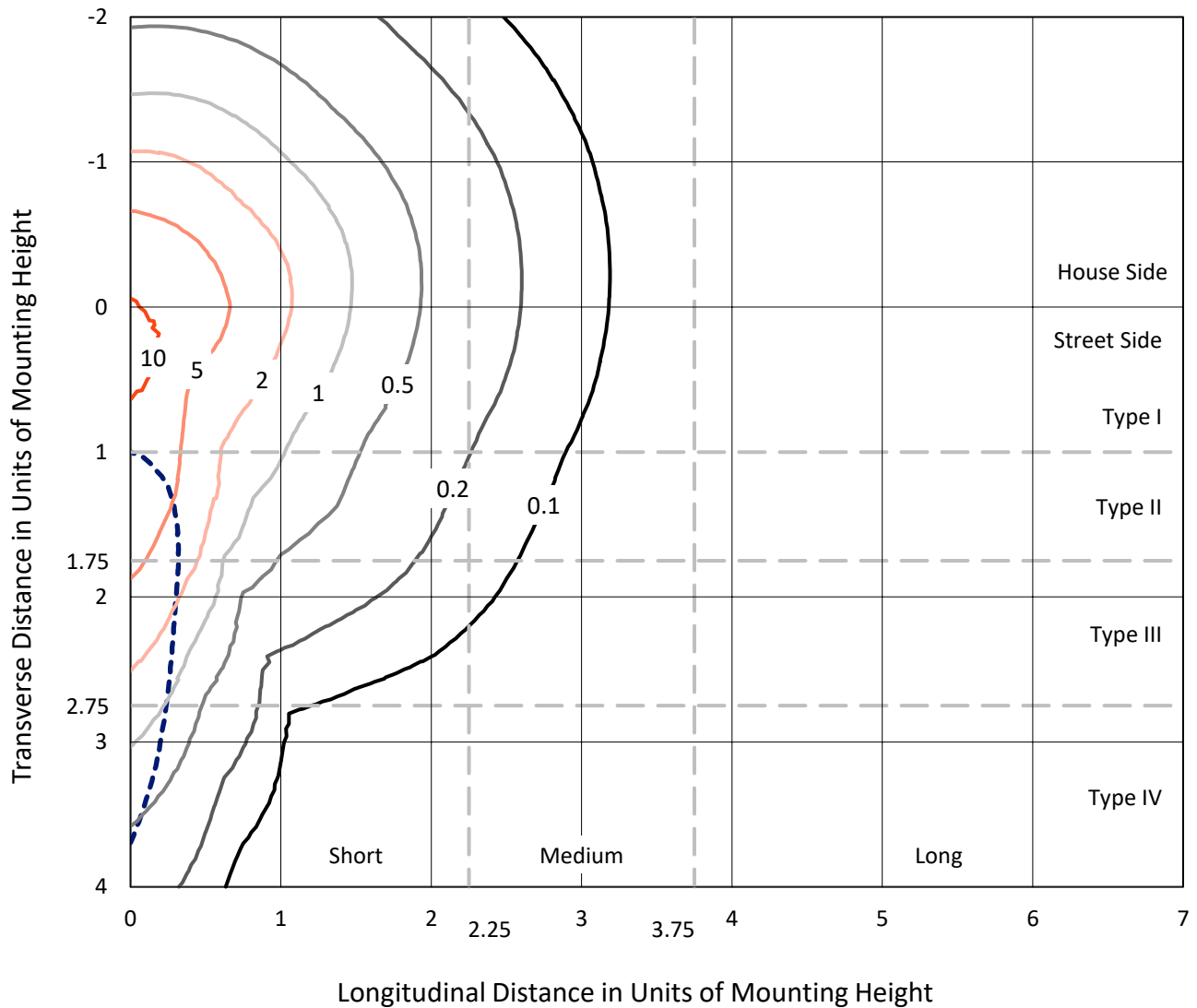
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

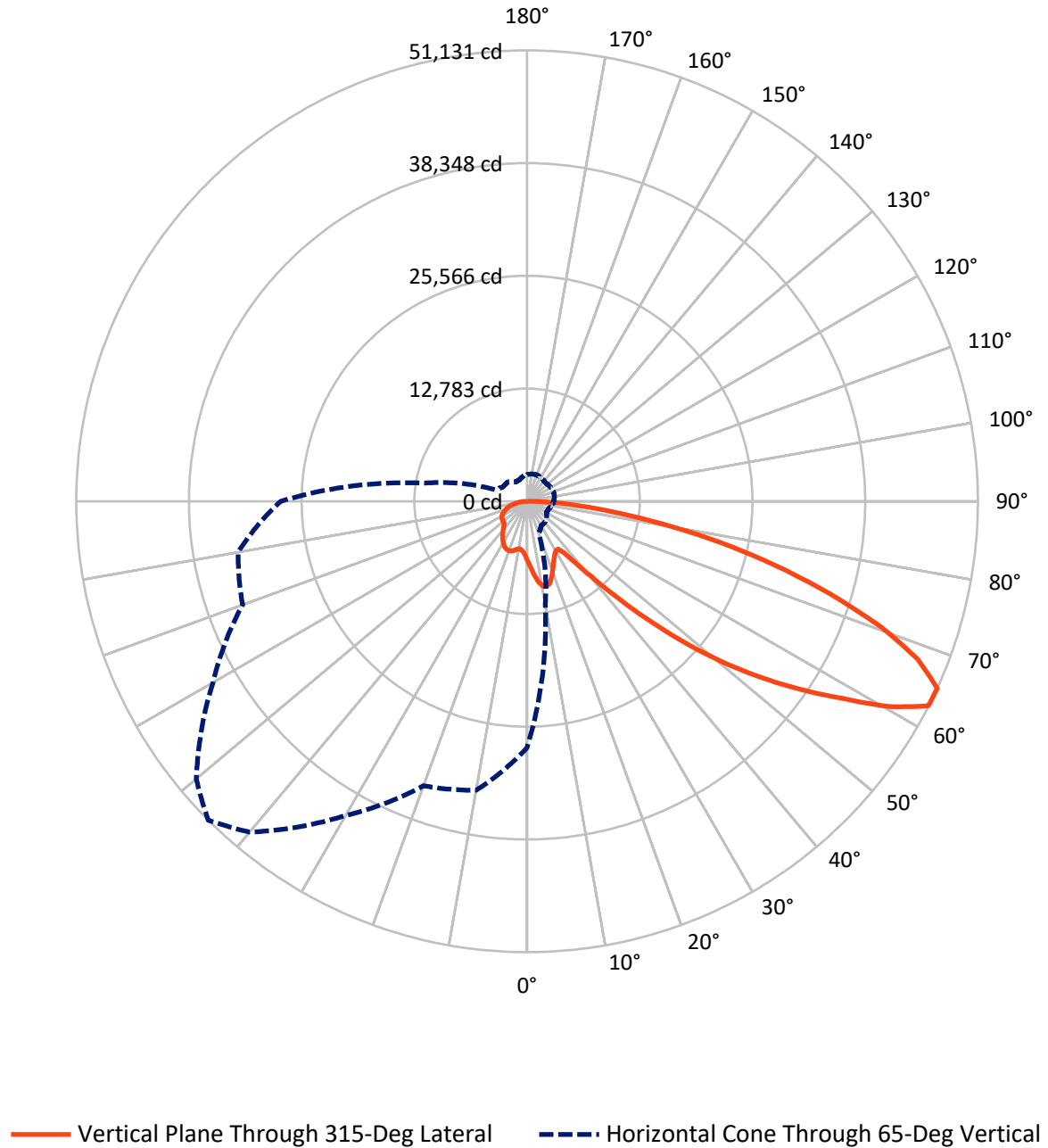
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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	12451.3	0.0	12451.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	36540.7	0.0	36540.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	48992.0	0.0	48992.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.3	1.4
10°-20°	2097.9	4.3
20°-30°	3240.5	6.6
30°-40°	4106.5	8.4
40°-50°	6193.7	12.6
50°-60°	10006.9	20.4
60°-70°	12475.1	25.5
70°-80°	8180.6	16.7
80°-90°	2022.4	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°	48992.0	100.0
0°-180°	48992.0	100.0



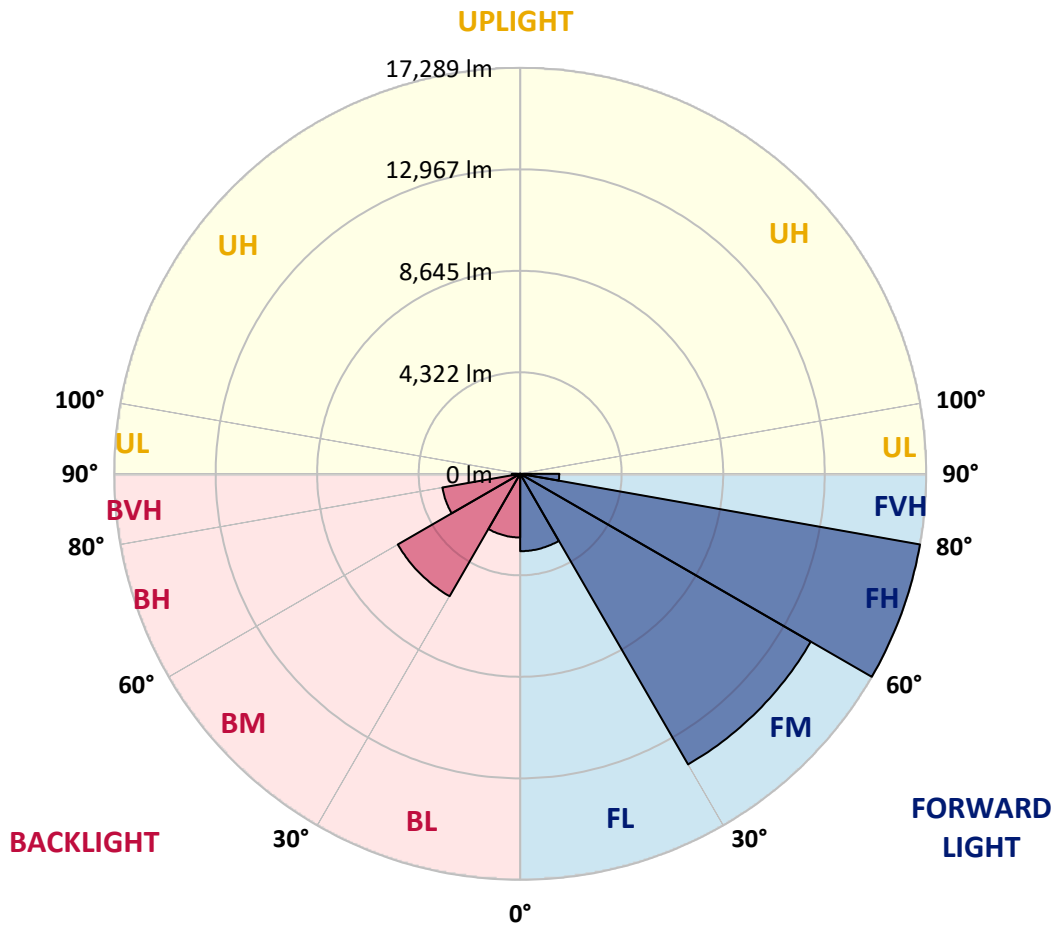
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3295.3	6.7			
FM (30°-60°)	14289.9	29.2			
FH (60°-80°)	17289.5	35.3			G5
FVH (80°-90°)	1666.0	3.4			G5
BL (0°-30°)	2711.4	5.5	B4/5000		
BM (30°-60°)	6017.2	12.3	B4/8500		
BH (60°-80°)	3366.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	356.4	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°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
2.5°	7244.8	7189.2	7133.6	7074.4	7015.5	6956.0	6896.6	6839.7	6782.8	6727.8
5°	7790.3	7667.5	7544.7	7422.1	7299.9	7176.6	7053.5	6938.5	6823.4	6714.8
7.5°	8338.3	8135.6	7933.2	7746.1	7558.9	7376.6	7194.4	7033.9	6873.3	6725.2
10°	8758.4	8502.2	8246.0	7998.6	7751.5	7530.2	7308.7	7118.9	6928.6	6745.9
12.5°	9015.6	8734.1	8452.8	8172.6	7892.4	7631.3	7370.2	7155.4	6940.5	6748.5
15°	9172.0	8878.6	8585.2	8281.2	7977.2	7676.5	7375.9	7127.2	6878.5	6665.7
17.5°	9259.9	8962.4	8664.8	8333.1	8001.5	7652.5	7303.5	7004.4	6705.3	6455.0
20°	9356.8	9047.7	8738.2	8373.7	8009.2	7586.3	7163.4	6792.7	6422.0	6130.6
22.5°	9469.3	9153.4	8837.2	8428.5	8019.6	7505.1	6990.7	6544.2	6097.8	5766.1
25°	9614.1	9304.4	8994.9	8527.8	8060.4	7425.0	6789.8	6266.8	5744.1	5404.2
27.5°	9810.5	9515.3	9219.8	8682.9	8145.7	7371.5	6597.2	6013.2	5429.3	5119.8
30°	10075.5	9790.1	9505.0	8883.8	8262.6	7346.4	6429.7	5801.3	5172.8	4913.0
32.5°	10388.3	10105.7	9823.5	9093.4	8363.4	7315.4	6266.8	5618.5	4969.9	4760.5
35°	10768.3	10497.9	10227.3	9332.3	8437.3	7256.9	6077.1	5438.8	4800.6	4626.1
37.5°	11408.1	11063.3	10718.4	9599.8	8481.3	7156.9	5832.5	5227.4	4622.2	4469.7
40°	12375.0	11872.4	11369.9	9939.5	8508.9	7019.1	5529.6	4975.1	4420.6	4282.3
42.5°	13657.2	12931.8	12206.4	10383.9	8561.4	6876.9	5193.0	4696.6	4200.3	4072.9
45°	15240.6	14262.1	13283.6	10968.7	8653.7	6744.8	4836.2	4400.9	3965.6	3836.3
47.5°	17220.8	15843.7	14466.3	11591.7	8717.0	6635.7	4554.5	4167.0	3779.4	3612.7
50°	19816.2	17740.1	15663.8	12169.7	8675.7	6516.8	4358.0	4011.6	3665.2	3446.0
52.5°	22795.6	19732.2	16668.9	12545.1	8421.0	6316.0	4211.2	3909.2	3607.5	3355.5
55°	25967.5	21498.4	17029.5	12462.3	7895.0	5983.0	4071.0	3835.0	3599.0	3364.5
57.5°	28852.5	22750.1	16647.7	11880.2	7113.0	5513.5	3913.9	3747.1	3580.4	3373.6
60°	30596.2	23062.9	15529.3	10796.8	6064.2	4904.0	3743.8	3612.7	3481.6	3345.1
62.5°	29710.8	21745.8	13780.8	9331.8	4882.8	4174.5	3466.1	3379.0	3292.1	3275.3
65°	27938.7	19882.2	11825.6	7837.0	3848.7	3518.1	3187.5	3146.3	3105.2	3107.3
67.5°	25564.2	17664.4	9764.5	6372.8	2981.2	2887.3	2793.2	2816.2	2839.0	2833.3
70°	22711.6	15244.5	7777.3	5017.7	2258.1	2285.0	2311.6	2418.1	2524.4	2524.4
72.5°	19312.1	12621.1	5930.3	3836.1	1741.9	1822.8	1903.9	2054.9	2205.6	2231.0
75°	15011.8	9613.8	4215.8	2784.2	1352.5	1426.0	1499.4	1668.4	1837.5	1954.4
77.5°	10725.7	6728.8	2732.0	1886.6	1041.3	1091.2	1141.3	1305.5	1469.6	1662.2
80°	7019.9	4335.2	1650.6	1215.5	780.7	801.4	822.1	961.1	1100.0	1330.0
82.5°	4080.6	2509.1	937.9	747.6	557.9	561.5	565.6	668.0	770.4	966.8
85°	1795.4	1128.7	462.2	399.7	337.4	335.5	333.5	408.4	483.4	629.5
87.5°	555.8	369.7	183.5	165.7	147.9	146.1	144.2	174.8	205.5	266.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
6666.5	2.5°	6616.9	6567.5	6522.8	6478.3	6439.3	6400.2	6360.9	6321.9	6291.7	6261.2
6607.6	5°	6514.0	6420.1	6341.6	6263.2	6193.9	6124.7	6061.8	5998.8	5950.4	5901.8
6586.4	7.5°	6461.8	6337.4	6234.0	6130.6	6043.5	5956.1	5879.1	5802.3	5744.7	5687.3
6596.7	10°	6465.4	6334.1	6230.7	6127.3	6033.4	5939.3	5852.7	5766.1	5697.3	5628.3
6609.6	12.5°	6502.1	6395.1	6326.3	6258.1	6184.1	6110.7	6021.0	5931.6	5843.7	5755.8
6554.6	15°	6503.1	6451.9	6461.2	6470.6	6451.4	6432.3	6354.5	6276.7	6151.6	6026.4
6386.5	17.5°	6405.4	6424.0	6536.7	6649.4	6709.4	6769.1	6706.3	6643.8	6478.1	6312.3
6112.5	20°	6200.4	6288.3	6484.0	6679.9	6805.3	6930.7	6901.8	6872.5	6683.1	6493.8
5801.5	22.5°	5931.6	6061.6	6284.9	6508.8	6671.9	6835.1	6852.6	6870.0	6689.0	6508.0
5499.8	25°	5649.8	5799.7	6000.6	6201.7	6362.2	6522.8	6582.7	6642.5	6494.1	6346.0
5236.2	27.5°	5380.9	5525.7	5690.9	5855.8	5984.6	6113.3	6180.0	6246.9	6141.2	6035.7
5004.3	30°	5119.1	5234.4	5371.4	5508.4	5615.1	5722.2	5776.4	5830.7	5750.3	5669.7
4801.1	32.5°	4869.1	4937.1	5046.4	5156.0	5258.4	5361.0	5421.3	5481.7	5407.8	5333.6
4609.3	35°	4627.9	4646.8	4730.3	4813.5	4914.8	5016.4	5088.8	5161.2	5108.5	5056.0
4408.1	37.5°	4387.5	4366.8	4426.8	4486.5	4587.6	4688.9	4778.3	4867.8	4843.5	4819.2
4187.9	40°	4141.1	4094.3	4137.5	4180.7	4278.4	4376.1	4479.0	4582.1	4588.1	4593.8
3953.9	42.5°	3891.9	3829.9	3865.0	3900.4	3993.0	4085.8	4196.9	4308.1	4337.8	4367.6
3721.3	45°	3660.8	3600.6	3630.0	3660.0	3747.9	3835.8	3951.1	4066.4	4109.0	4151.7
3513.7	47.5°	3463.0	3412.4	3440.3	3467.9	3554.0	3639.8	3753.6	3867.3	3916.5	3965.6
3330.9	50°	3285.9	3241.2	3284.7	3328.3	3409.5	3490.4	3592.3	3694.1	3757.2	3820.3
3194.7	52.5°	3150.2	3106.0	3171.4	3236.6	3311.0	3385.2	3480.1	3575.2	3649.9	3724.6
3122.3	55°	3052.0	2981.9	3074.7	3167.3	3247.4	3327.6	3410.8	3493.8	3572.9	3652.3
3078.9	57.5°	2976.5	2874.1	2973.9	3073.7	3167.8	3261.9	3344.1	3426.6	3506.5	3586.1
3038.0	60°	2905.4	2772.5	2860.2	2947.6	3055.6	3163.7	3247.2	3330.9	3411.1	3491.2
2990.5	62.5°	2824.5	2658.8	2714.4	2770.0	2895.9	3022.0	3111.2	3200.4	3273.8	3347.2
2890.2	65°	2713.9	2537.3	2558.8	2579.9	2714.9	2850.1	2935.4	3020.7	3085.3	3150.0
2711.3	67.5°	2564.4	2417.6	2410.9	2404.2	2528.8	2653.6	2734.5	2815.2	2871.0	2926.9
2484.3	70°	2379.9	2275.4	2252.2	2228.9	2338.5	2448.1	2517.9	2587.7	2638.1	2688.5
2231.5	72.5°	2159.9	2088.3	2054.1	2020.3	2106.6	2192.7	2255.8	2318.9	2368.2	2417.6
1944.5	75°	1889.5	1834.1	1801.6	1768.7	1832.8	1897.0	1954.1	2011.2	2056.2	2101.2
1657.1	77.5°	1612.9	1568.7	1535.6	1502.5	1554.7	1606.7	1655.8	1704.9	1752.2	1799.2
1329.3	80°	1292.3	1255.1	1227.4	1199.5	1242.9	1286.1	1327.5	1368.8	1404.8	1440.4
977.7	82.5°	959.6	941.5	921.9	902.2	898.6	895.0	880.5	866.0	942.5	1019.1
643.7	85°	624.3	604.9	582.9	561.0	542.4	523.5	483.4	443.3	515.0	586.8
284.4	87.5°	276.6	268.9	264.7	260.6	259.8	259.0	228.5	197.8	227.7	258.0
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°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
6236.6	2.5°	6212.0	6192.9	6173.8	6156.2	6138.4	6116.4	6138.4	6156.2	6173.8	6192.9
5868.0	5°	5834.1	5810.1	5786.0	5767.7	5749.3	5731.2	5749.3	5767.7	5786.0	5810.1
5646.9	7.5°	5606.6	5578.9	5551.5	5535.0	5518.7	5506.3	5518.7	5535.0	5551.5	5578.9
5583.3	10°	5537.8	5511.7	5485.6	5471.7	5457.7	5452.0	5457.7	5471.7	5485.6	5511.7
5697.6	12.5°	5639.4	5610.2	5581.3	5569.4	5557.5	5555.4	5557.5	5569.4	5581.3	5610.2
5938.0	15°	5849.6	5809.0	5768.7	5753.2	5737.7	5736.4	5737.7	5753.2	5768.7	5809.0
6182.1	17.5°	6051.8	5991.8	5931.6	5911.9	5892.0	5888.9	5892.0	5911.9	5931.6	5991.8
6334.1	20°	6174.6	6097.8	6020.7	5996.2	5971.6	5963.9	5971.6	5996.2	6020.7	6097.8
6343.6	22.5°	6179.0	6098.0	6016.9	5989.7	5962.6	5950.9	5962.6	5989.7	6016.9	6098.0
6199.6	25°	6053.8	5983.5	5913.5	5887.9	5862.5	5847.5	5862.5	5887.9	5913.5	5983.5
5922.3	27.5°	5808.8	5761.7	5714.4	5702.8	5691.1	5687.3	5691.1	5702.8	5714.4	5761.7
5588.5	30°	5506.8	5482.8	5458.5	5458.5	5458.5	5462.4	5458.5	5458.5	5458.5	5482.8
5268.7	32.5°	5203.8	5188.1	5172.3	5174.4	5176.7	5180.6	5176.7	5174.4	5172.3	5188.1
4996.0	35°	4936.3	4912.2	4888.5	4883.3	4878.1	4875.5	4878.1	4883.3	4888.5	4912.2
4764.1	37.5°	4708.8	4665.1	4621.7	4598.7	4575.7	4562.7	4575.7	4598.7	4621.7	4665.1
4547.0	40°	4500.2	4436.6	4373.5	4330.6	4288.2	4262.9	4288.2	4330.6	4373.5	4436.6
4328.0	42.5°	4288.7	4209.9	4131.0	4068.7	4006.4	3965.6	4006.4	4068.7	4131.0	4209.9
4116.0	45°	4080.6	3990.4	3900.4	3827.3	3754.1	3707.1	3754.1	3827.3	3900.4	3990.4
3940.8	47.5°	3915.9	3835.8	3755.7	3687.9	3620.5	3575.2	3620.5	3687.9	3755.7	3835.8
3818.7	50°	3817.7	3753.6	3689.5	3626.9	3564.4	3520.9	3564.4	3626.9	3689.5	3753.6
3738.1	52.5°	3751.5	3699.3	3647.1	3591.0	3535.2	3495.1	3535.2	3591.0	3647.1	3699.3
3670.9	55°	3689.5	3644.0	3598.5	3549.4	3500.3	3464.1	3500.3	3549.4	3598.5	3644.0
3604.9	57.5°	3623.8	3577.8	3531.8	3483.2	3434.3	3396.8	3434.3	3483.2	3531.8	3577.8
3511.9	60°	3532.6	3487.6	3442.9	3392.7	3342.6	3303.8	3342.6	3392.7	3442.9	3487.6
3367.1	62.5°	3387.0	3346.4	3305.9	3253.1	3200.4	3153.8	3200.4	3253.1	3305.9	3346.4
3170.4	65°	3190.6	3151.5	3112.5	3061.3	3010.4	2970.3	3010.4	3061.3	3112.5	3151.5
2946.8	67.5°	2966.4	2930.5	2894.8	2847.3	2799.7	2763.5	2799.7	2847.3	2894.8	2930.5
2707.7	70°	2726.8	2697.6	2668.4	2622.9	2577.4	2536.0	2577.4	2622.9	2668.4	2697.6
2440.4	72.5°	2463.1	2438.8	2414.5	2371.1	2327.9	2287.8	2327.9	2371.1	2414.5	2438.8
2125.0	75°	2148.8	2136.9	2125.0	2088.5	2052.1	2013.8	2052.1	2088.5	2125.0	2136.9
1821.5	77.5°	1843.7	1827.2	1810.1	1773.4	1736.7	1706.2	1736.7	1773.4	1810.1	1827.2
1469.9	80°	1499.4	1492.1	1485.2	1435.8	1386.1	1328.8	1386.1	1435.8	1485.2	1492.1
1069.2	82.5°	1119.4	1116.3	1112.9	1071.3	1029.4	992.7	1029.4	1071.3	1112.9	1116.3
648.9	85°	710.9	705.7	700.6	668.0	635.4	602.3	635.4	668.0	700.6	705.7
283.1	87.5°	308.1	301.9	295.2	278.7	261.6	245.6	261.6	278.7	295.2	301.9
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°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
6212.0	2.5°	6236.6	6261.2	6291.7	6321.9	6360.9	6400.2	6439.3	6478.3	6522.8	6567.5
5834.1	5°	5868.0	5901.8	5950.4	5998.8	6061.8	6124.7	6193.9	6263.2	6341.6	6420.1
5606.6	7.5°	5646.9	5687.3	5744.7	5802.3	5879.1	5956.1	6043.5	6130.6	6234.0	6337.4
5537.8	10°	5583.3	5628.3	5697.3	5766.1	5852.7	5939.3	6033.4	6127.3	6230.7	6334.1
5639.4	12.5°	5697.6	5755.8	5843.7	5931.6	6021.0	6110.7	6184.1	6258.1	6326.3	6395.1
5849.6	15°	5938.0	6026.4	6151.6	6276.7	6354.5	6432.3	6451.4	6470.6	6461.2	6451.9
6051.8	17.5°	6182.1	6312.3	6478.1	6643.8	6706.3	6769.1	6709.4	6649.4	6536.7	6424.0
6174.6	20°	6334.1	6493.8	6683.1	6872.5	6901.8	6930.7	6805.3	6679.9	6484.0	6288.3
6179.0	22.5°	6343.6	6508.0	6689.0	6870.0	6852.6	6835.1	6671.9	6508.8	6284.9	6061.6
6053.8	25°	6199.6	6346.0	6494.1	6642.5	6582.7	6522.8	6362.2	6201.7	6000.6	5799.7
5808.8	27.5°	5922.3	6035.7	6141.2	6246.9	6180.0	6113.3	5984.6	5855.8	5690.9	5525.7
5506.8	30°	5588.5	5669.7	5750.3	5830.7	5776.4	5722.2	5615.1	5508.4	5371.4	5234.4
5203.8	32.5°	5268.7	5333.6	5407.8	5481.7	5421.3	5361.0	5258.4	5156.0	5046.4	4937.1
4936.3	35°	4996.0	5056.0	5108.5	5161.2	5088.8	5016.4	4914.8	4813.5	4730.3	4646.8
4708.8	37.5°	4764.1	4819.2	4843.5	4867.8	4778.3	4688.9	4587.6	4486.5	4426.8	4366.8
4500.2	40°	4547.0	4593.8	4588.1	4582.1	4479.0	4376.1	4278.4	4180.7	4137.5	4094.3
4288.7	42.5°	4328.0	4367.6	4337.8	4308.1	4196.9	4085.8	3993.0	3900.4	3865.0	3829.9
4080.6	45°	4116.0	4151.7	4109.0	4066.4	3951.1	3835.8	3747.9	3660.0	3630.0	3600.6
3915.9	47.5°	3940.8	3965.6	3916.5	3867.3	3753.6	3639.8	3554.0	3467.9	3440.3	3412.4
3817.7	50°	3818.7	3820.3	3757.2	3694.1	3592.3	3490.4	3409.5	3328.3	3284.7	3241.2
3751.5	52.5°	3738.1	3724.6	3649.9	3575.2	3480.1	3385.2	3311.0	3236.6	3171.4	3106.0
3689.5	55°	3670.9	3652.3	3572.9	3493.8	3410.8	3327.6	3247.4	3167.3	3074.7	2981.9
3623.8	57.5°	3604.9	3586.1	3506.5	3426.6	3344.1	3261.9	3167.8	3073.7	2973.9	2874.1
3532.6	60°	3511.9	3491.2	3411.1	3330.9	3247.2	3163.7	3055.6	2947.6	2860.2	2772.5
3387.0	62.5°	3367.1	3347.2	3273.8	3200.4	3111.2	3022.0	2895.9	2770.0	2714.4	2658.8
3190.6	65°	3170.4	3150.0	3085.3	3020.7	2935.4	2850.1	2714.9	2579.9	2558.8	2537.3
2966.4	67.5°	2946.8	2926.9	2871.0	2815.2	2734.5	2653.6	2528.8	2404.2	2410.9	2417.6
2726.8	70°	2707.7	2688.5	2638.1	2587.7	2517.9	2448.1	2338.5	2228.9	2252.2	2275.4
2463.1	72.5°	2440.4	2417.6	2368.2	2318.9	2255.8	2192.7	2106.6	2020.3	2054.1	2088.3
2148.8	75°	2125.0	2101.2	2056.2	2011.2	1954.1	1897.0	1832.8	1768.7	1801.6	1834.1
1843.7	77.5°	1821.5	1799.2	1752.2	1704.9	1655.8	1606.7	1554.7	1502.5	1535.6	1568.7
1499.4	80°	1469.9	1440.4	1404.8	1368.8	1327.5	1286.1	1242.9	1199.5	1227.4	1255.1
1119.4	82.5°	1069.2	1019.1	942.5	866.0	880.5	895.0	898.6	902.2	921.9	941.5
710.9	85°	648.9	586.8	515.0	443.3	483.4	523.5	542.4	561.0	582.9	604.9
308.1	87.5°	283.1	258.0	227.7	197.8	228.5	259.0	259.8	260.6	264.7	268.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
6616.9	2.5°	6666.5	6727.8	6782.8	6839.7	6896.6	6956.0	7015.5	7074.4	7133.6	7189.2
6514.0	5°	6607.6	6714.8	6823.4	6938.5	7053.5	7176.6	7299.9	7422.1	7544.7	7667.5
6461.8	7.5°	6586.4	6725.2	6873.3	7033.9	7194.4	7376.6	7558.9	7746.1	7933.2	8135.6
6465.4	10°	6596.7	6745.9	6928.6	7118.9	7308.7	7530.2	7751.5	7998.6	8246.0	8502.2
6502.1	12.5°	6609.6	6748.5	6940.5	7155.4	7370.2	7631.3	7892.4	8172.6	8452.8	8734.1
6503.1	15°	6554.6	6665.7	6878.5	7127.2	7375.9	7676.5	7977.2	8281.2	8585.2	8878.6
6405.4	17.5°	6386.5	6455.0	6705.3	7004.4	7303.5	7652.5	8001.5	8333.1	8664.8	8962.4
6200.4	20°	6112.5	6130.6	6422.0	6792.7	7163.4	7586.3	8009.2	8373.7	8738.2	9047.7
5931.6	22.5°	5801.5	5766.1	6097.8	6544.2	6990.7	7505.1	8019.6	8428.5	8837.2	9153.4
5649.8	25°	5499.8	5404.2	5744.1	6266.8	6789.8	7425.0	8060.4	8527.8	8994.9	9304.4
5380.9	27.5°	5236.2	5119.8	5429.3	6013.2	6597.2	7371.5	8145.7	8682.9	9219.8	9515.3
5119.1	30°	5004.3	4913.0	5172.8	5801.3	6429.7	7346.4	8262.6	8883.8	9505.0	9790.1
4869.1	32.5°	4801.1	4760.5	4969.9	5618.5	6266.8	7315.4	8363.4	9093.4	9823.5	10105.7
4627.9	35°	4609.3	4626.1	4800.6	5438.8	6077.1	7256.9	8437.3	9332.3	10227.3	10497.9
4387.5	37.5°	4408.1	4469.7	4622.2	5227.4	5832.5	7156.9	8481.3	9599.8	10718.4	11063.3
4141.1	40°	4187.9	4282.3	4420.6	4975.1	5529.6	7019.1	8508.9	9939.5	11369.9	11872.4
3891.9	42.5°	3953.9	4072.9	4200.3	4696.6	5193.0	6876.9	8561.4	10383.9	12206.4	12931.8
3660.8	45°	3721.3	3836.3	3965.6	4400.9	4836.2	6744.8	8653.7	10968.7	13283.6	14262.1
3463.0	47.5°	3513.7	3612.7	3779.4	4167.0	4554.5	6635.7	8717.0	11591.7	14466.3	15843.7
3285.9	50°	3330.9	3446.0	3665.2	4011.6	4358.0	6516.8	8675.7	12169.7	15663.8	17740.1
3150.2	52.5°	3194.7	3355.5	3607.5	3909.2	4211.2	6316.0	8421.0	12545.1	16668.9	19732.2
3052.0	55°	3122.3	3364.5	3599.0	3835.0	4071.0	5983.0	7895.0	12462.3	17029.5	21498.4
2976.5	57.5°	3078.9	3373.6	3580.4	3747.1	3913.9	5513.5	7113.0	11880.2	16647.7	22750.1
2905.4	60°	3038.0	3345.1	3481.6	3612.7	3743.8	4904.0	6064.2	10796.8	15529.3	23062.9
2824.5	62.5°	2990.5	3275.3	3292.1	3379.0	3466.1	4174.5	4882.8	9331.8	13780.8	21745.8
2713.9	65°	2890.2	3107.3	3105.2	3146.3	3187.5	3518.1	3848.7	7837.0	11825.6	19882.2
2564.4	67.5°	2711.3	2833.3	2839.0	2816.2	2793.2	2887.3	2981.2	6372.8	9764.5	17664.4
2379.9	70°	2484.3	2524.4	2524.4	2418.1	2311.6	2285.0	2258.1	5017.7	7777.3	15244.5
2159.9	72.5°	2231.5	2231.0	2205.6	2054.9	1903.9	1822.8	1741.9	3836.1	5930.3	12621.1
1889.5	75°	1944.5	1954.4	1837.5	1668.4	1499.4	1426.0	1352.5	2784.2	4215.8	9613.8
1612.9	77.5°	1657.1	1662.2	1469.6	1305.5	1141.3	1091.2	1041.3	1886.6	2732.0	6728.8
1292.3	80°	1329.3	1330.0	1100.0	961.1	822.1	801.4	780.7	1215.5	1650.6	4335.2
959.6	82.5°	977.7	966.8	770.4	668.0	565.6	561.5	557.9	747.6	937.9	2509.1
624.3	85°	643.7	629.5	483.4	408.4	333.5	335.5	337.4	399.7	462.2	1128.7
276.6	87.5°	284.4	266.3	205.5	174.8	144.2	146.1	147.9	165.7	183.5	369.7
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°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
7244.8	2.5°	7272.2	7299.9	7338.9	7377.9	7401.2	7424.5	7436.1	7447.7	7442.6	7447.7
7790.3	5°	7886.2	7982.3	8077.5	8172.9	8224.6	8276.3	8307.5	8339.1	8362.9	8339.1
8338.3	7.5°	8494.4	8650.3	8790.7	8931.1	9015.6	9100.1	9145.9	9191.4	9213.4	9191.4
8758.4	10°	8943.0	9127.5	9292.2	9456.9	9556.7	9655.9	9700.4	9744.6	9761.4	9744.6
9015.6	12.5°	9215.7	9415.5	9564.4	9712.8	9785.2	9857.6	9881.9	9906.2	9908.8	9906.2
9172.0	15°	9344.7	9517.1	9610.4	9704.0	9706.6	9709.2	9683.3	9657.5	9627.0	9657.5
9259.9	17.5°	9376.5	9493.1	9494.9	9496.4	9391.7	9287.0	9191.1	9095.0	9027.2	9095.0
9356.8	20°	9397.4	9438.3	9315.5	9192.7	8961.6	8730.5	8562.2	8393.9	8290.5	8393.9
9469.3	22.5°	9416.0	9362.8	9108.4	8854.0	8514.1	8174.1	7963.7	7753.3	7639.0	7753.3
9614.1	25°	9446.0	9278.0	8891.8	8505.6	8092.7	7679.9	7458.6	7237.8	7129.8	7237.8
9810.5	27.5°	9510.1	9209.5	8697.9	8186.6	7729.0	7271.4	7053.8	6836.3	6734.2	6836.3
10075.5	30°	9627.5	9179.8	8550.0	7920.3	7443.6	6966.9	6765.0	6563.1	6468.0	6563.1
10388.3	32.5°	9774.9	9161.7	8449.2	7736.7	7288.7	6840.7	6682.3	6523.5	6455.0	6523.5
10768.3	35°	10017.6	9267.1	8524.7	7782.5	7471.3	7160.3	7123.3	7086.3	7080.6	7086.3
11408.1	37.5°	10525.1	9642.0	8967.3	8292.5	8272.4	8252.2	8421.3	8590.4	8678.2	8590.4
12375.0	40°	11414.6	10454.2	9952.5	9450.7	9804.8	10159.0	10570.0	10981.1	11185.8	10981.1
13657.2	42.5°	12704.3	11751.4	11462.4	11173.4	11945.8	12718.3	13465.9	14213.5	14652.5	14213.5
15240.6	45°	14384.6	13528.4	13401.0	13273.3	14510.8	15748.5	16977.0	18205.7	18951.5	18205.7
17220.8	47.5°	16388.1	15555.2	15529.3	15503.5	17288.8	19073.5	20872.0	22670.2	23726.2	22670.2
19816.2	50°	18787.6	17759.3	17763.7	17768.0	20068.8	22369.6	24743.5	27117.4	28552.6	27117.4
22795.6	52.5°	21550.1	20304.8	20178.9	20052.8	22801.0	25549.3	28486.5	31423.4	33143.8	31423.4
25967.5	55°	24737.0	23506.5	23015.6	22524.7	25583.4	28641.8	32143.4	35644.9	37691.0	35644.9
28852.5	57.5°	28182.5	27512.1	26527.5	25543.1	28631.5	31719.9	35686.0	39651.9	42189.2	39651.9
30596.2	60°	31637.0	32678.0	31455.2	30232.5	33155.2	36077.9	40324.2	44570.6	47312.9	44570.6
29710.8	62.5°	32554.7	35398.6	35260.8	35122.7	37800.1	40477.8	44517.8	48557.6	51092.3	48557.6
27938.7	65°	30607.8	33277.0	33805.1	34333.0	37735.5	41138.3	45055.8	48973.0	51131.1	48973.0
25564.2	67.5°	28102.8	30641.4	30889.1	31136.5	34681.7	38226.7	42161.0	46095.3	47785.9	46095.3
22711.6	70°	25472.7	28234.2	28344.8	28455.7	31626.1	34796.2	38182.0	41567.4	42507.1	41567.4
19312.1	72.5°	22480.7	25649.6	25729.2	25808.5	28289.0	30769.4	33305.1	35840.6	35935.7	35840.6
15011.8	75°	18291.3	21570.8	21865.2	22159.6	24089.4	26019.2	27804.3	29589.3	29111.0	29589.3
10725.7	77.5°	13787.0	16848.5	17269.9	17691.3	19158.3	20625.4	21891.3	23157.5	22335.4	23157.5
7019.9	80°	9595.4	12170.7	12694.5	13218.2	14326.2	15433.7	16098.6	16763.2	15440.9	16763.2
4080.6	82.5°	5841.3	7602.3	8187.3	8772.6	9535.2	10297.8	10575.2	10852.3	9813.1	10852.3
1795.4	85°	2729.9	3664.4	4162.0	4659.7	5286.3	5912.7	6070.1	6227.6	5395.1	6227.6
555.8	87.5°	869.9	1184.0	1461.6	1739.3	2052.6	2365.9	2379.3	2392.5	2008.6	2392.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
6736.8	0°	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8	6736.8
7436.1	2.5°	7424.5	7401.2	7377.9	7338.9	7299.9	7272.2	7244.8
8307.5	5°	8276.3	8224.6	8172.9	8077.5	7982.3	7886.2	7790.3
9145.9	7.5°	9100.1	9015.6	8931.1	8790.7	8650.3	8494.4	8338.3
9700.4	10°	9655.9	9556.7	9456.9	9292.2	9127.5	8943.0	8758.4
9881.9	12.5°	9857.6	9785.2	9712.8	9564.4	9415.5	9215.7	9015.6
9683.3	15°	9709.2	9706.6	9704.0	9610.4	9517.1	9344.7	9172.0
9191.1	17.5°	9287.0	9391.7	9496.4	9494.9	9493.1	9376.5	9259.9
8562.2	20°	8730.5	8961.6	9192.7	9315.5	9438.3	9397.4	9356.8
7963.7	22.5°	8174.1	8514.1	8854.0	9108.4	9362.8	9416.0	9469.3
7458.6	25°	7679.9	8092.7	8505.6	8891.8	9278.0	9446.0	9614.1
7053.8	27.5°	7271.4	7729.0	8186.6	8697.9	9209.5	9510.1	9810.5
6765.0	30°	6966.9	7443.6	7920.3	8550.0	9179.8	9627.5	10075.5
6682.3	32.5°	6840.7	7288.7	7736.7	8449.2	9161.7	9774.9	10388.3
7123.3	35°	7160.3	7471.3	7782.5	8524.7	9267.1	10017.6	10768.3
8421.3	37.5°	8252.2	8272.4	8292.5	8967.3	9642.0	10525.1	11408.1
10570.0	40°	10159.0	9804.8	9450.7	9952.5	10454.2	11414.6	12375.0
13465.9	42.5°	12718.3	11945.8	11173.4	11462.4	11751.4	12704.3	13657.2
16977.0	45°	15748.5	14510.8	13273.3	13401.0	13528.4	14384.6	15240.6
20872.0	47.5°	19073.5	17288.8	15503.5	15529.3	15555.2	16388.1	17220.8
24743.5	50°	22369.6	20068.8	17768.0	17763.7	17759.3	18787.6	19816.2
28486.5	52.5°	25549.3	22801.0	20052.8	20178.9	20304.8	21550.1	22795.6
32143.4	55°	28641.8	25583.4	22524.7	23015.6	23506.5	24737.0	25967.5
35686.0	57.5°	31719.9	28631.5	25543.1	26527.5	27512.1	28182.5	28852.5
40324.2	60°	36077.9	33155.2	30232.5	31455.2	32678.0	31637.0	30596.2
44517.8	62.5°	40477.8	37800.1	35122.7	35260.8	35398.6	32554.7	29710.8
45055.8	65°	41138.3	37735.5	34333.0	33805.1	33277.0	30607.8	27938.7
42161.0	67.5°	38226.7	34681.7	31136.5	30889.1	30641.4	28102.8	25564.2
38182.0	70°	34796.2	31626.1	28455.7	28344.8	28234.2	25472.7	22711.6
33305.1	72.5°	30769.4	28289.0	25808.5	25729.2	25649.6	22480.7	19312.1
27804.3	75°	26019.2	24089.4	22159.6	21865.2	21570.8	18291.3	15011.8
21891.3	77.5°	20625.4	19158.3	17691.3	17269.9	16848.5	13787.0	10725.7
16098.6	80°	15433.7	14326.2	13218.2	12694.5	12170.7	9595.4	7019.9
10575.2	82.5°	10297.8	9535.2	8772.6	8187.3	7602.3	5841.3	4080.6
6070.1	85°	5912.7	5286.3	4659.7	4162.0	3664.4	2729.9	1795.4
2379.3	87.5°	2365.9	2052.6	1739.3	1461.6	1184.0	869.9	555.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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