

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: P951814

Luminaire Tested: **GALN-SB5D-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951814
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47508 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

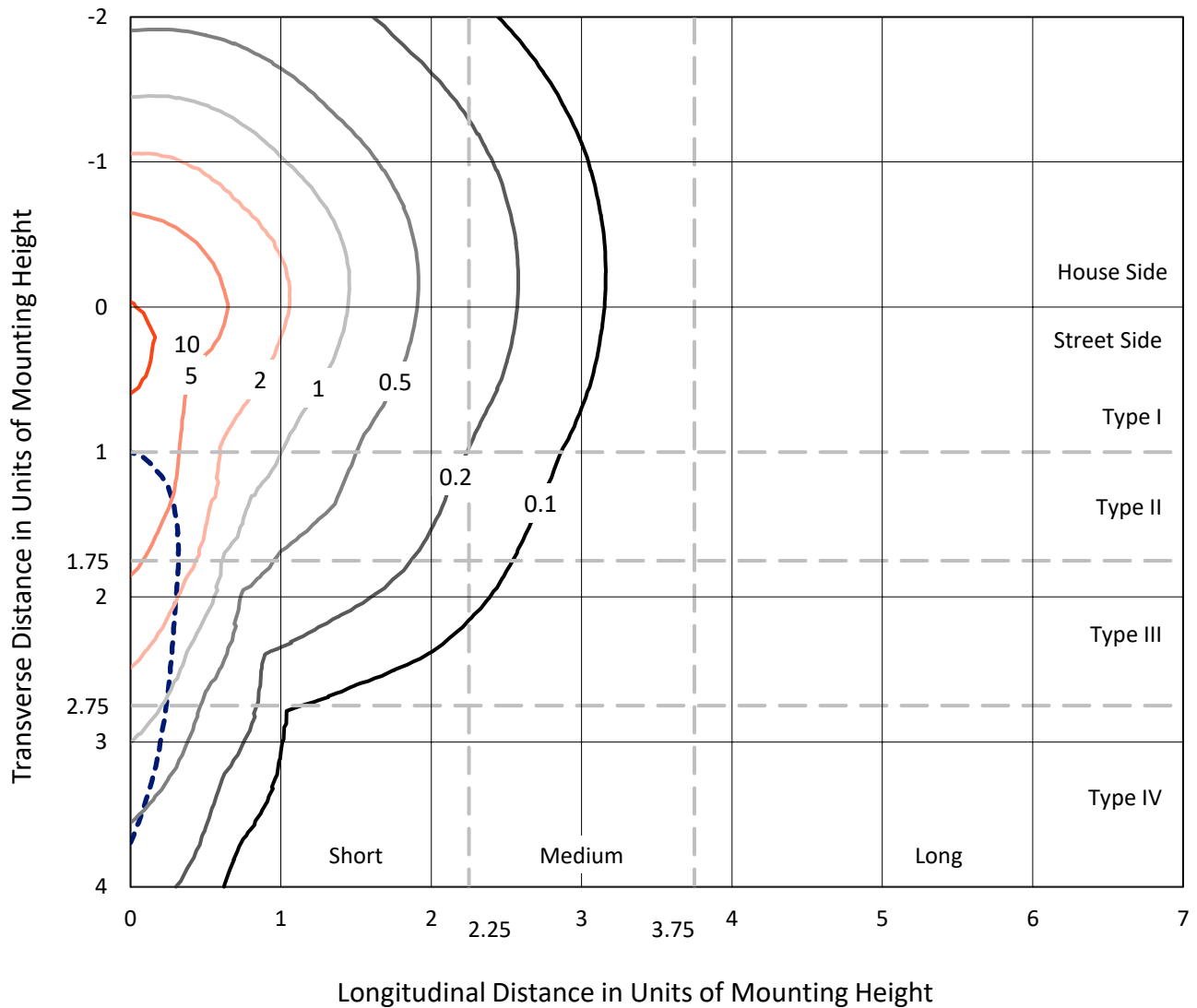
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

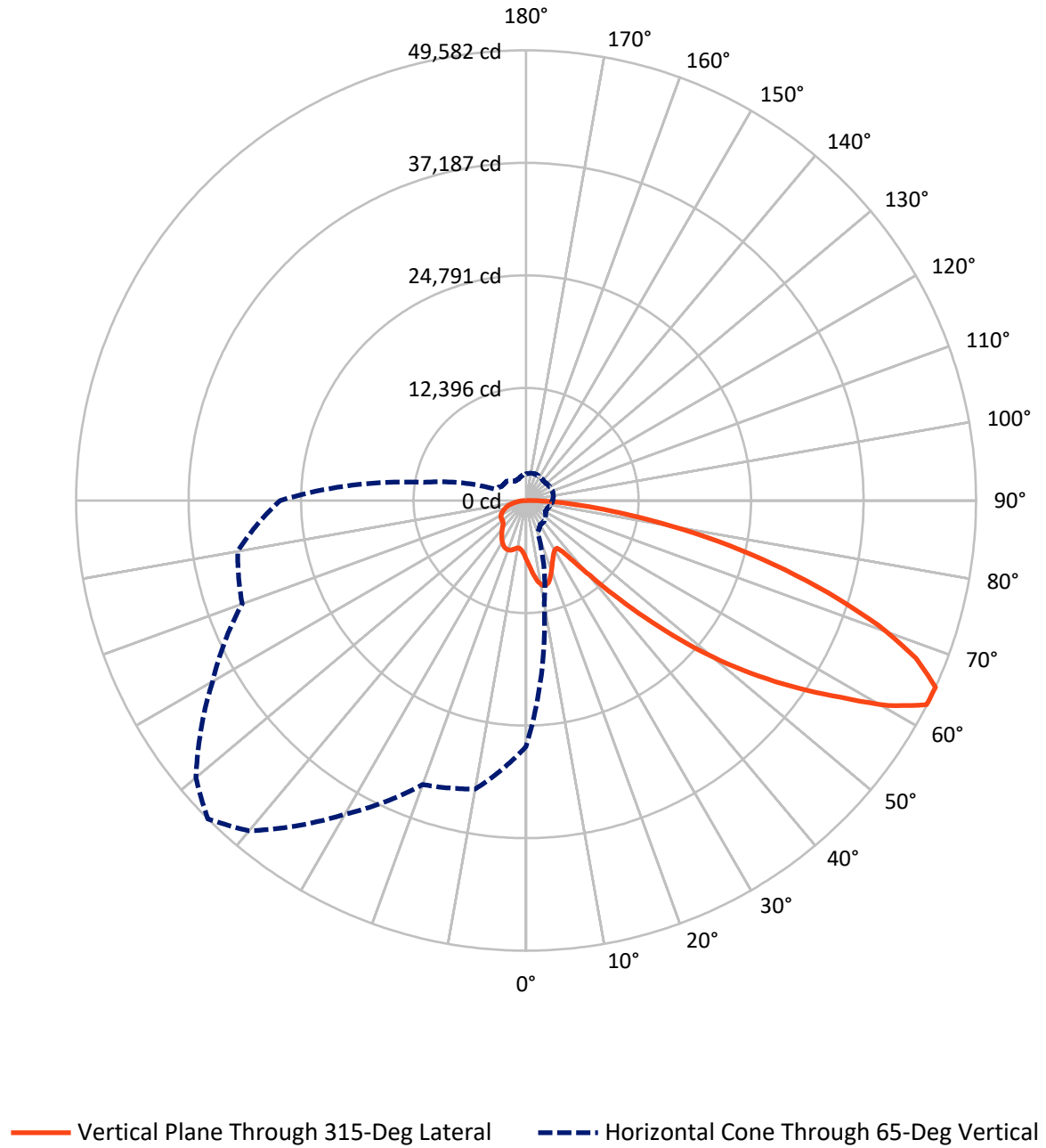
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB5D-835-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12074.1	0.0	12074.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	35433.9	0.0	35433.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	47508.0	0.0	47508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.0	1.4
10°-20°	2034.3	4.3
20°-30°	3142.4	6.6
30°-40°	3982.2	8.4
40°-50°	6006.1	12.6
50°-60°	9703.8	20.4
60°-70°	12097.3	25.5
70°-80°	7932.8	16.7
80°-90°	1961.2	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°	47508.0	100.0
0°-180°	47508.0	100.0

Coefficient of Utilization



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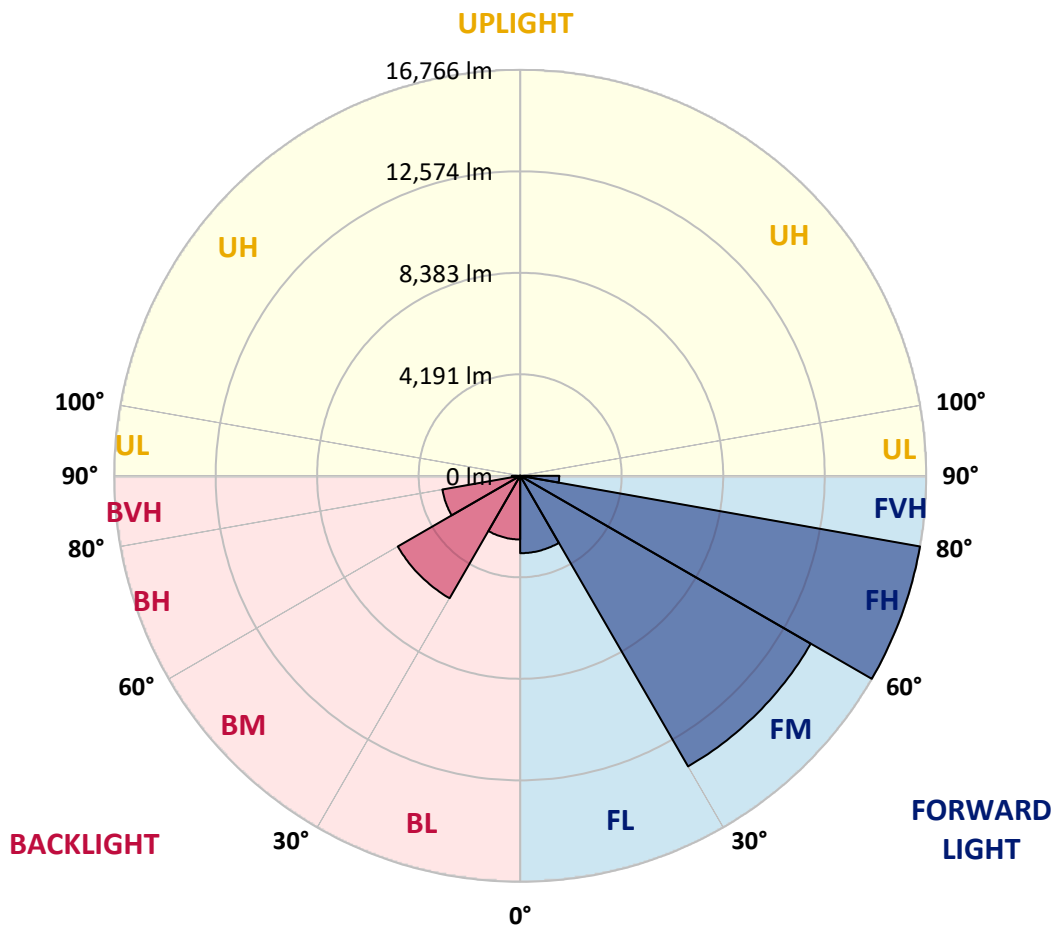
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3195.5	6.7			
FM (30°-60°)	13857.1	29.2			
FH (60°-80°)	16765.8	35.3			G5
FVH (80°-90°)	1615.6	3.4			G5
BL (0°-30°)	2629.3	5.5	B4/5000		
BM (30°-60°)	5835.0	12.3	B4/8500		
BH (60°-80°)	3264.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	345.6	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°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
2.5°	7025.3	6971.5	6917.6	6860.1	6803.0	6745.3	6687.7	6632.5	6577.4	6524.0
5°	7554.3	7435.2	7316.1	7197.3	7078.7	6959.2	6839.8	6728.3	6616.7	6511.5
7.5°	8085.7	7889.2	7692.9	7511.4	7329.9	7153.2	6976.5	6820.8	6665.1	6521.5
10°	8493.1	8244.7	7996.2	7756.3	7516.7	7302.1	7087.3	6903.3	6718.8	6541.5
12.5°	8742.5	8469.5	8196.8	7925.0	7653.3	7400.1	7146.9	6938.6	6730.3	6544.0
15°	8894.2	8609.7	8325.1	8030.3	7735.5	7444.0	7152.4	6911.3	6670.1	6463.8
17.5°	8979.4	8690.9	8402.3	8080.7	7759.1	7420.7	7082.3	6792.2	6502.2	6259.5
20°	9073.4	8773.6	8473.5	8120.1	7766.6	7356.5	6946.4	6586.9	6227.4	5944.9
22.5°	9182.5	8876.1	8569.5	8173.2	7776.6	7277.8	6778.9	6346.0	5913.1	5591.5
25°	9322.8	9022.5	8722.5	8269.5	7816.2	7200.1	6584.1	6077.0	5570.1	5240.5
27.5°	9513.4	9227.1	8940.6	8419.9	7899.0	7148.2	6397.4	5831.1	5264.8	4964.7
30°	9770.3	9493.6	9217.1	8614.7	8012.3	7123.9	6234.9	5625.5	5016.1	4764.2
32.5°	10073.6	9799.6	9525.9	8818.0	8110.0	7093.8	6077.0	5448.3	4819.4	4616.3
35°	10442.1	10179.9	9917.5	9049.6	8181.7	7037.1	5893.0	5274.1	4655.2	4485.9
37.5°	11062.6	10728.2	10393.8	9309.1	8224.4	6940.1	5655.9	5069.0	4482.2	4334.3
40°	12000.1	11512.8	11025.5	9638.5	8251.2	6806.5	5362.1	4824.4	4286.7	4152.5
42.5°	13243.5	12540.1	11836.7	10069.4	8302.1	6668.6	5035.7	4554.4	4073.1	3949.5
45°	14778.9	13830.1	12881.3	10636.4	8391.6	6540.5	4689.7	4267.6	3845.5	3720.1
47.5°	16699.1	15363.8	14028.1	11240.6	8453.0	6434.7	4416.5	4040.7	3665.0	3503.3
50°	19216.0	17202.8	15189.3	11801.1	8412.9	6319.4	4226.0	3890.1	3554.2	3341.6
52.5°	22105.1	19134.5	16163.9	12165.1	8165.9	6124.6	4083.6	3790.8	3498.3	3253.8
55°	25181.0	20847.2	16513.6	12084.9	7655.8	5801.8	3947.7	3718.9	3490.0	3262.6
57.5°	27978.6	22061.0	16143.4	11520.3	6897.5	5346.5	3795.3	3633.6	3471.9	3271.4
60°	29669.4	22364.3	15058.9	10469.7	5880.5	4755.4	3630.4	3503.3	3376.2	3243.8
62.5°	28810.8	21087.1	13363.3	9049.1	4734.9	4048.0	3361.1	3276.7	3192.4	3176.1
65°	27092.4	19279.9	11467.4	7599.7	3732.1	3411.5	3090.9	3051.0	3011.2	3013.2
67.5°	24789.9	17129.3	9468.7	6179.8	2890.9	2799.9	2708.6	2730.9	2753.0	2747.5
70°	22023.6	14782.7	7541.8	4865.7	2189.7	2215.8	2241.6	2344.9	2447.9	2447.9
72.5°	18727.2	12238.8	5750.6	3719.9	1689.1	1767.6	1846.3	1992.7	2138.8	2163.4
75°	14557.1	9322.6	4088.1	2699.8	1311.6	1382.8	1454.0	1617.9	1781.8	1895.2
77.5°	10400.8	6525.0	2649.2	1829.5	1009.7	1058.1	1106.8	1265.9	1425.1	1611.9
80°	6807.3	4203.9	1600.6	1178.7	757.1	777.1	797.2	932.0	1066.6	1289.8
82.5°	3957.0	2433.1	909.5	725.0	541.0	544.5	548.5	647.8	747.0	937.5
85°	1741.0	1094.5	448.2	387.6	327.1	325.4	323.4	396.1	468.8	610.4
87.5°	539.0	358.5	178.0	160.7	143.4	141.6	139.9	169.5	199.3	258.2
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°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
6464.6	2.5°	6416.4	6368.6	6325.2	6282.1	6244.2	6206.4	6168.3	6130.4	6101.1	6071.5
6407.4	5°	6316.7	6225.7	6149.5	6073.5	6006.3	5939.1	5878.2	5817.1	5770.2	5723.1
6386.9	7.5°	6266.0	6145.5	6045.2	5944.9	5860.4	5775.7	5701.0	5626.5	5570.6	5515.0
6396.9	10°	6269.5	6142.2	6041.9	5941.7	5850.7	5759.4	5675.4	5591.5	5524.8	5457.8
6409.4	12.5°	6305.1	6201.4	6134.7	6068.5	5996.8	5925.6	5838.6	5751.9	5666.7	5581.4
6356.0	15°	6306.1	6256.5	6265.5	6274.6	6256.0	6237.5	6162.0	6086.5	5965.2	5843.9
6193.1	17.5°	6211.4	6229.4	6338.7	6448.0	6506.2	6564.1	6503.2	6442.5	6281.8	6121.1
5927.4	20°	6012.6	6097.8	6287.6	6477.6	6599.2	6720.8	6692.7	6664.4	6480.6	6297.1
5625.8	22.5°	5751.9	5878.0	6094.6	6311.7	6469.8	6628.0	6645.1	6661.9	6486.4	6310.9
5333.2	25°	5478.6	5624.0	5818.8	6013.8	6169.5	6325.2	6383.4	6441.3	6297.4	6153.7
5077.6	27.5°	5217.9	5358.3	5518.5	5678.4	5803.3	5928.1	5992.8	6057.7	5955.2	5852.9
4852.7	30°	4964.0	5075.8	5208.7	5341.5	5445.1	5548.8	5601.5	5654.1	5576.2	5497.9
4655.7	32.5°	4721.6	4787.5	4893.6	4999.8	5099.1	5198.6	5257.0	5315.7	5244.0	5172.1
4469.7	35°	4487.7	4506.0	4587.0	4667.7	4766.0	4864.5	4934.7	5004.9	4953.7	4902.8
4274.6	37.5°	4254.6	4234.5	4292.7	4350.6	4448.6	4546.9	4633.6	4720.3	4696.8	4673.2
4061.0	40°	4015.7	3970.3	4012.2	4054.0	4148.8	4243.5	4343.3	4443.3	4449.1	4454.6
3834.2	42.5°	3774.0	3713.8	3747.9	3782.3	3872.0	3962.0	4069.8	4177.6	4206.4	4235.3
3608.6	45°	3549.9	3491.5	3520.1	3549.1	3634.4	3719.6	3831.4	3943.2	3984.6	4025.9
3407.3	47.5°	3358.1	3309.0	3336.1	3362.9	3446.4	3529.6	3639.9	3750.2	3797.8	3845.5
3230.0	50°	3186.4	3143.0	3185.2	3227.5	3306.2	3384.7	3483.5	3582.2	3643.4	3704.6
3097.9	52.5°	3054.8	3011.9	3075.4	3138.5	3210.7	3282.7	3374.7	3466.9	3539.4	3611.8
3027.7	55°	2959.5	2891.6	2981.6	3071.3	3149.1	3226.8	3307.5	3388.0	3464.7	3541.6
2985.6	57.5°	2886.3	2787.1	2883.8	2980.6	3071.9	3163.1	3242.8	3322.8	3400.2	3477.5
2946.0	60°	2817.4	2688.6	2773.5	2858.3	2963.1	3067.8	3148.8	3230.0	3307.7	3385.5
2899.9	62.5°	2738.9	2578.3	2632.2	2686.1	2808.1	2930.5	3017.0	3103.4	3174.6	3245.8
2802.6	65°	2631.7	2460.4	2481.2	2501.8	2632.7	2763.8	2846.5	2929.2	2991.9	3054.6
2629.1	67.5°	2486.8	2344.4	2337.9	2331.3	2452.2	2573.2	2651.7	2729.9	2784.1	2838.2
2409.0	70°	2307.8	2206.5	2183.9	2161.4	2267.7	2374.0	2441.6	2509.3	2558.2	2607.1
2163.9	72.5°	2094.4	2025.0	1991.9	1959.1	2042.8	2126.3	2187.4	2248.6	2296.5	2344.4
1885.6	75°	1832.2	1778.6	1747.0	1715.2	1777.3	1839.5	1894.9	1950.3	1993.9	2037.5
1606.9	77.5°	1564.0	1521.1	1489.0	1457.0	1507.6	1558.0	1605.6	1653.2	1699.1	1744.7
1289.0	80°	1253.2	1217.1	1190.2	1163.2	1205.3	1247.1	1287.2	1327.4	1362.2	1396.8
948.1	82.5°	930.5	913.0	893.9	874.9	871.4	867.9	853.8	839.8	914.0	988.2
624.2	85°	605.4	586.6	565.3	544.0	525.9	507.6	468.8	429.9	499.4	569.0
275.7	87.5°	268.2	260.7	256.7	252.7	251.9	251.2	221.6	191.8	220.9	250.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
6047.7	2.5°	6023.9	6005.3	5986.8	5969.7	5952.4	5931.1	5952.4	5969.7	5986.8	6005.3
5690.2	5°	5657.4	5634.1	5610.8	5593.0	5575.2	5557.6	5575.2	5593.0	5610.8	5634.1
5475.9	7.5°	5436.8	5410.0	5383.4	5367.3	5351.5	5339.5	5351.5	5367.3	5383.4	5410.0
5414.2	10°	5370.1	5344.8	5319.5	5305.9	5292.4	5286.9	5292.4	5305.9	5319.5	5344.8
5525.0	12.5°	5468.6	5440.3	5412.2	5400.7	5389.2	5387.1	5389.2	5400.7	5412.2	5440.3
5758.2	15°	5672.4	5633.1	5594.0	5578.9	5563.9	5562.6	5563.9	5578.9	5594.0	5633.1
5994.8	17.5°	5868.5	5810.3	5751.9	5732.8	5713.5	5710.5	5713.5	5732.8	5751.9	5810.3
6142.2	20°	5987.5	5913.1	5838.4	5814.6	5790.7	5783.2	5790.7	5814.6	5838.4	5913.1
6151.5	22.5°	5991.8	5913.3	5834.6	5808.3	5782.0	5770.7	5782.0	5808.3	5834.6	5913.3
6011.8	25°	5870.5	5802.3	5734.3	5709.5	5685.0	5670.4	5685.0	5709.5	5734.3	5802.3
5742.9	27.5°	5632.8	5587.2	5541.3	5530.0	5518.8	5515.0	5518.8	5530.0	5541.3	5587.2
5419.2	30°	5340.0	5316.7	5293.1	5293.1	5293.1	5296.9	5293.1	5293.1	5293.1	5316.7
5109.1	32.5°	5046.2	5030.9	5015.6	5017.6	5019.9	5023.7	5019.9	5017.6	5015.6	5030.9
4844.7	35°	4786.8	4763.4	4740.4	4735.4	4730.4	4727.9	4730.4	4735.4	4740.4	4763.4
4619.8	37.5°	4566.2	4523.8	4481.7	4459.4	4437.1	4424.5	4437.1	4459.4	4481.7	4523.8
4409.2	40°	4363.9	4302.2	4241.0	4199.4	4158.3	4133.7	4158.3	4199.4	4241.0	4302.2
4196.9	42.5°	4158.8	4082.3	4005.9	3945.5	3885.1	3845.5	3885.1	3945.5	4005.9	4082.3
3991.4	45°	3957.0	3869.5	3782.3	3711.3	3640.4	3594.8	3640.4	3711.3	3782.3	3869.5
3821.4	47.5°	3797.3	3719.6	3641.9	3576.2	3510.8	3466.9	3510.8	3576.2	3641.9	3719.6
3703.1	50°	3702.1	3639.9	3577.7	3517.1	3456.4	3414.3	3456.4	3517.1	3577.7	3639.9
3624.9	52.5°	3637.9	3587.3	3536.6	3482.2	3428.1	3389.2	3428.1	3482.2	3536.6	3587.3
3559.7	55°	3577.7	3533.6	3489.5	3441.9	3394.2	3359.1	3394.2	3441.9	3489.5	3533.6
3495.8	57.5°	3514.1	3469.4	3424.8	3377.7	3330.3	3294.0	3330.3	3377.7	3424.8	3469.4
3405.5	60°	3425.6	3381.9	3338.6	3289.9	3241.3	3203.7	3241.3	3289.9	3338.6	3381.9
3265.1	62.5°	3284.4	3245.1	3205.7	3154.6	3103.4	3058.3	3103.4	3154.6	3205.7	3245.1
3074.4	65°	3093.9	3056.1	3018.2	2968.6	2919.2	2880.3	2919.2	2968.6	3018.2	3056.1
2857.5	67.5°	2876.6	2841.7	2807.1	2761.0	2714.9	2679.8	2714.9	2761.0	2807.1	2841.7
2625.6	70°	2644.2	2615.9	2587.5	2543.4	2499.3	2459.2	2499.3	2543.4	2587.5	2615.9
2366.4	72.5°	2388.5	2364.9	2341.4	2299.3	2257.4	2218.5	2257.4	2299.3	2341.4	2364.9
2060.6	75°	2083.7	2072.1	2060.6	2025.3	1989.9	1952.8	1989.9	2025.3	2060.6	2072.1
1766.3	77.5°	1787.9	1771.8	1755.3	1719.7	1684.1	1654.5	1684.1	1719.7	1755.3	1771.8
1425.4	80°	1454.0	1446.9	1440.2	1392.3	1344.2	1288.5	1344.2	1392.3	1440.2	1446.9
1036.8	82.5°	1085.5	1082.4	1079.2	1038.8	998.2	962.6	998.2	1038.8	1079.2	1082.4
629.2	85°	689.4	684.4	679.3	647.8	616.2	584.1	616.2	647.8	679.3	684.4
274.5	87.5°	298.8	292.8	286.3	270.2	253.7	238.1	253.7	270.2	286.3	292.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
6023.9	2.5°	6047.7	6071.5	6101.1	6130.4	6168.3	6206.4	6244.2	6282.1	6325.2	6368.6
5657.4	5°	5690.2	5723.1	5770.2	5817.1	5878.2	5939.1	6006.3	6073.5	6149.5	6225.7
5436.8	7.5°	5475.9	5515.0	5570.6	5626.5	5701.0	5775.7	5860.4	5944.9	6045.2	6145.5
5370.1	10°	5414.2	5457.8	5524.8	5591.5	5675.4	5759.4	5850.7	5941.7	6041.9	6142.2
5468.6	12.5°	5525.0	5581.4	5666.7	5751.9	5838.6	5925.6	5996.8	6068.5	6134.7	6201.4
5672.4	15°	5758.2	5843.9	5965.2	6086.5	6162.0	6237.5	6256.0	6274.6	6265.5	6256.5
5868.5	17.5°	5994.8	6121.1	6281.8	6442.5	6503.2	6564.1	6506.2	6448.0	6338.7	6229.4
5987.5	20°	6142.2	6297.1	6480.6	6664.4	6692.7	6720.8	6599.2	6477.6	6287.6	6097.8
5991.8	22.5°	6151.5	6310.9	6486.4	6661.9	6645.1	6628.0	6469.8	6311.7	6094.6	5878.0
5870.5	25°	6011.8	6153.7	6297.4	6441.3	6383.4	6325.2	6169.5	6013.8	5818.8	5624.0
5632.8	27.5°	5742.9	5852.9	5955.2	6057.7	5992.8	5928.1	5803.3	5678.4	5518.5	5358.3
5340.0	30°	5419.2	5497.9	5576.2	5654.1	5601.5	5548.8	5445.1	5341.5	5208.7	5075.8
5046.2	32.5°	5109.1	5172.1	5244.0	5315.7	5257.0	5198.6	5099.1	4999.8	4893.6	4787.5
4786.8	35°	4844.7	4902.8	4953.7	5004.9	4934.7	4864.5	4766.0	4667.7	4587.0	4506.0
4566.2	37.5°	4619.8	4673.2	4696.8	4720.3	4633.6	4546.9	4448.6	4350.6	4292.7	4234.5
4363.9	40°	4409.2	4454.6	4449.1	4443.3	4343.3	4243.5	4148.8	4054.0	4012.2	3970.3
4158.8	42.5°	4196.9	4235.3	4206.4	4177.6	4069.8	3962.0	3872.0	3782.3	3747.9	3713.8
3957.0	45°	3991.4	4025.9	3984.6	3943.2	3831.4	3719.6	3634.4	3549.1	3520.1	3491.5
3797.3	47.5°	3821.4	3845.5	3797.8	3750.2	3639.9	3529.6	3446.4	3362.9	3336.1	3309.0
3702.1	50°	3703.1	3704.6	3643.4	3582.2	3483.5	3384.7	3306.2	3227.5	3185.2	3143.0
3637.9	52.5°	3624.9	3611.8	3539.4	3466.9	3374.7	3282.7	3210.7	3138.5	3075.4	3011.9
3577.7	55°	3559.7	3541.6	3464.7	3388.0	3307.5	3226.8	3149.1	3071.3	2981.6	2891.6
3514.1	57.5°	3495.8	3477.5	3400.2	3322.8	3242.8	3163.1	3071.9	2980.6	2883.8	2787.1
3425.6	60°	3405.5	3385.5	3307.7	3230.0	3148.8	3067.8	2963.1	2858.3	2773.5	2688.6
3284.4	62.5°	3265.1	3245.8	3174.6	3103.4	3017.0	2930.5	2808.1	2686.1	2632.2	2578.3
3093.9	65°	3074.4	3054.6	2991.9	2929.2	2846.5	2763.8	2632.7	2501.8	2481.2	2460.4
2876.6	67.5°	2857.5	2838.2	2784.1	2729.9	2651.7	2573.2	2452.2	2331.3	2337.9	2344.4
2644.2	70°	2625.6	2607.1	2558.2	2509.3	2441.6	2374.0	2267.7	2161.4	2183.9	2206.5
2388.5	72.5°	2366.4	2344.4	2296.5	2248.6	2187.4	2126.3	2042.8	1959.1	1991.9	2025.0
2083.7	75°	2060.6	2037.5	1993.9	1950.3	1894.9	1839.5	1777.3	1715.2	1747.0	1778.6
1787.9	77.5°	1766.3	1744.7	1699.1	1653.2	1605.6	1558.0	1507.6	1457.0	1489.0	1521.1
1454.0	80°	1425.4	1396.8	1362.2	1327.4	1287.2	1247.1	1205.3	1163.2	1190.2	1217.1
1085.5	82.5°	1036.8	988.2	914.0	839.8	853.8	867.9	871.4	874.9	893.9	913.0
689.4	85°	629.2	569.0	499.4	429.9	468.8	507.6	525.9	544.0	565.3	586.6
298.8	87.5°	274.5	250.2	220.9	191.8	221.6	251.2	251.9	252.7	256.7	260.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
6416.4	2.5°	6464.6	6524.0	6577.4	6632.5	6687.7	6745.3	6803.0	6860.1	6917.6	6971.5
6316.7	5°	6407.4	6511.5	6616.7	6728.3	6839.8	6959.2	7078.7	7197.3	7316.1	7435.2
6266.0	7.5°	6386.9	6521.5	6665.1	6820.8	6976.5	7153.2	7329.9	7511.4	7692.9	7889.2
6269.5	10°	6396.9	6541.5	6718.8	6903.3	7087.3	7302.1	7516.7	7756.3	7996.2	8244.7
6305.1	12.5°	6409.4	6544.0	6730.3	6938.6	7146.9	7400.1	7653.3	7925.0	8196.8	8469.5
6306.1	15°	6356.0	6463.8	6670.1	6911.3	7152.4	7444.0	7735.5	8030.3	8325.1	8609.7
6211.4	17.5°	6193.1	6259.5	6502.2	6792.2	7082.3	7420.7	7759.1	8080.7	8402.3	8690.9
6012.6	20°	5927.4	5944.9	6227.4	6586.9	6946.4	7356.5	7766.6	8120.1	8473.5	8773.6
5751.9	22.5°	5625.8	5591.5	5913.1	6346.0	6778.9	7277.8	7776.6	8173.2	8569.5	8876.1
5478.6	25°	5333.2	5240.5	5570.1	6077.0	6584.1	7200.1	7816.2	8269.5	8722.5	9022.5
5217.9	27.5°	5077.6	4964.7	5264.8	5831.1	6397.4	7148.2	7899.0	8419.9	8940.6	9227.1
4964.0	30°	4852.7	4764.2	5016.1	5625.5	6234.9	7123.9	8012.3	8614.7	9217.1	9493.6
4721.6	32.5°	4655.7	4616.3	4819.4	5448.3	6077.0	7093.8	8110.0	8818.0	9525.9	9799.6
4487.7	35°	4469.7	4485.9	4655.2	5274.1	5893.0	7037.1	8181.7	9049.6	9917.5	10179.9
4254.6	37.5°	4274.6	4334.3	4482.2	5069.0	5655.9	6940.1	8224.4	9309.1	10393.8	10728.2
4015.7	40°	4061.0	4152.5	4286.7	4824.4	5362.1	6806.5	8251.2	9638.5	11025.5	11512.8
3774.0	42.5°	3834.2	3949.5	4073.1	4554.4	5035.7	6668.6	8302.1	10069.4	11836.7	12540.1
3549.9	45°	3608.6	3720.1	3845.5	4267.6	4689.7	6540.5	8391.6	10636.4	12881.3	13830.1
3358.1	47.5°	3407.3	3503.3	3665.0	4040.7	4416.5	6434.7	8453.0	11240.6	14028.1	15363.8
3186.4	50°	3230.0	3341.6	3554.2	3890.1	4226.0	6319.4	8412.9	11801.1	15189.3	17202.8
3054.8	52.5°	3097.9	3253.8	3498.3	3790.8	4083.6	6124.6	8165.9	12165.1	16163.9	19134.5
2959.5	55°	3027.7	3262.6	3490.0	3718.9	3947.7	5801.8	7655.8	12084.9	16513.6	20847.2
2886.3	57.5°	2985.6	3271.4	3471.9	3633.6	3795.3	5346.5	6897.5	11520.3	16143.4	22061.0
2817.4	60°	2946.0	3243.8	3376.2	3503.3	3630.4	4755.4	5880.5	10469.7	15058.9	22364.3
2738.9	62.5°	2899.9	3176.1	3192.4	3276.7	3361.1	4048.0	4734.9	9049.1	13363.3	21087.1
2631.7	65°	2802.6	3013.2	3011.2	3051.0	3090.9	3411.5	3732.1	7599.7	11467.4	19279.9
2486.8	67.5°	2629.1	2747.5	2753.0	2730.9	2708.6	2799.9	2890.9	6179.8	9468.7	17129.3
2307.8	70°	2409.0	2447.9	2447.9	2344.9	2241.6	2215.8	2189.7	4865.7	7541.8	14782.7
2094.4	72.5°	2163.9	2163.4	2138.8	1992.7	1846.3	1767.6	1689.1	3719.9	5750.6	12238.8
1832.2	75°	1885.6	1895.2	1781.8	1617.9	1454.0	1382.8	1311.6	2699.8	4088.1	9322.6
1564.0	77.5°	1606.9	1611.9	1425.1	1265.9	1106.8	1058.1	1009.7	1829.5	2649.2	6525.0
1253.2	80°	1289.0	1289.8	1066.6	932.0	797.2	777.1	757.1	1178.7	1600.6	4203.9
930.5	82.5°	948.1	937.5	747.0	647.8	548.5	544.5	541.0	725.0	909.5	2433.1
605.4	85°	624.2	610.4	468.8	396.1	323.4	325.4	327.1	387.6	448.2	1094.5
268.2	87.5°	275.7	258.2	199.3	169.5	139.9	141.6	143.4	160.7	178.0	358.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
7025.3	2.5°	7051.9	7078.7	7116.6	7154.4	7177.0	7199.6	7210.9	7222.1	7217.1	7222.1
7554.3	5°	7647.3	7740.5	7832.8	7925.3	7975.4	8025.6	8055.9	8086.5	8109.5	8086.5
8085.7	7.5°	8237.1	8388.3	8524.4	8660.5	8742.5	8824.5	8868.9	8913.0	8934.3	8913.0
8493.1	10°	8672.1	8851.1	9010.7	9170.4	9267.2	9363.5	9406.6	9449.4	9465.7	9449.4
8742.5	12.5°	8936.5	9130.3	9274.7	9418.6	9488.8	9559.0	9582.5	9606.1	9608.6	9606.1
8894.2	15°	9061.6	9228.8	9319.3	9410.1	9412.6	9415.1	9390.0	9365.0	9335.4	9365.0
8979.4	17.5°	9092.5	9205.5	9207.3	9208.8	9107.3	9005.7	8912.7	8819.5	8753.8	8819.5
9073.4	20°	9112.8	9152.4	9033.3	8914.2	8690.1	8466.0	8302.8	8139.6	8039.4	8139.6
9182.5	22.5°	9130.8	9079.2	8832.5	8585.8	8256.2	7926.5	7722.5	7518.4	7407.6	7518.4
9322.8	25°	9159.9	8997.0	8622.4	8247.9	7847.6	7447.2	7232.7	7018.6	6913.8	7018.6
9513.4	27.5°	9222.1	8930.5	8434.4	7938.6	7494.9	7051.2	6840.1	6629.3	6530.3	6629.3
9770.3	30°	9335.9	8901.7	8291.0	7680.4	7218.1	6755.9	6560.1	6364.3	6272.1	6364.3
10073.6	32.5°	9478.8	8884.2	8193.3	7502.4	7068.0	6633.5	6479.9	6325.9	6259.5	6325.9
10442.1	35°	9714.2	8986.4	8266.5	7546.8	7244.9	6943.4	6907.5	6871.7	6866.2	6871.7
11062.6	37.5°	10206.2	9349.9	8695.6	8041.4	8021.8	8002.3	8166.2	8330.1	8415.4	8330.1
12000.1	40°	11068.8	10137.6	9651.0	9164.4	9507.8	9851.3	10249.9	10648.4	10847.0	10648.4
13243.5	42.5°	12319.5	11395.5	11115.2	10835.0	11584.0	12333.0	13058.0	13783.0	14208.6	13783.0
14778.9	45°	13948.9	13118.7	12995.1	12871.2	14071.3	15271.5	16462.8	17654.2	18377.5	17654.2
16699.1	47.5°	15891.7	15084.0	15058.9	15033.9	16765.1	18495.8	20239.8	21983.5	23007.5	21983.5
19216.0	50°	18218.5	17221.3	17225.6	17229.8	19460.9	21692.0	23994.0	26296.0	27687.8	26296.0
22105.1	52.5°	20897.3	19689.8	19567.7	19445.4	22110.4	24775.4	27623.6	30471.6	32139.9	30471.6
25181.0	55°	23987.7	22794.5	22318.4	21842.4	24808.4	27774.3	31169.7	34565.2	36549.4	34565.2
27978.6	57.5°	27328.8	26678.8	25723.9	24769.3	27764.2	30759.1	34605.1	38450.8	40911.2	38450.8
29669.4	60°	30678.6	31688.1	30502.4	29316.7	32150.9	34985.1	39102.8	43220.5	45879.7	43220.5
28810.8	62.5°	31568.6	34326.3	34192.7	34058.8	36655.1	39251.7	43169.4	47086.8	49544.7	47086.8
27092.4	65°	29680.7	32269.0	32781.1	33293.0	36592.5	39892.2	43691.0	47489.6	49582.3	47489.6
24789.9	67.5°	27251.6	29713.3	29953.4	30193.3	33631.2	37068.8	40883.9	44699.0	46338.5	44699.0
22023.6	70°	24701.1	27378.9	27486.2	27593.8	30668.1	33742.2	37025.4	40308.3	41219.6	40308.3
18727.2	72.5°	21799.8	24872.6	24949.8	25026.8	27432.1	29837.4	32296.3	34755.0	34847.2	34755.0
14557.1	75°	17737.2	20917.4	21202.9	21488.4	23359.8	25231.1	26962.0	28693.0	28229.2	28693.0
10400.8	77.5°	13369.3	16338.2	16746.8	17155.4	18578.0	20000.6	21228.2	22456.0	21658.9	22456.0
6807.3	80°	9304.8	11802.1	12310.0	12817.8	13892.3	14966.2	15610.9	16255.4	14973.2	16255.4
3957.0	82.5°	5664.4	7372.0	7939.3	8506.9	9246.4	9985.9	10254.9	10523.6	9515.9	10523.6
1741.0	85°	2647.2	3553.4	4036.0	4518.5	5126.2	5733.6	5886.3	6038.9	5231.7	6038.9
539.0	87.5°	843.5	1148.1	1417.4	1686.6	1990.4	2294.2	2307.3	2320.1	1947.8	2320.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
6532.8	0°	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8	6532.8
7210.9	2.5°	7199.6	7177.0	7154.4	7116.6	7078.7	7051.9	7025.3
8055.9	5°	8025.6	7975.4	7925.3	7832.8	7740.5	7647.3	7554.3
8868.9	7.5°	8824.5	8742.5	8660.5	8524.4	8388.3	8237.1	8085.7
9406.6	10°	9363.5	9267.2	9170.4	9010.7	8851.1	8672.1	8493.1
9582.5	12.5°	9559.0	9488.8	9418.6	9274.7	9130.3	8936.5	8742.5
9390.0	15°	9415.1	9412.6	9410.1	9319.3	9228.8	9061.6	8894.2
8912.7	17.5°	9005.7	9107.3	9208.8	9207.3	9205.5	9092.5	8979.4
8302.8	20°	8466.0	8690.1	8914.2	9033.3	9152.4	9112.8	9073.4
7722.5	22.5°	7926.5	8256.2	8585.8	8832.5	9079.2	9130.8	9182.5
7232.7	25°	7447.2	7847.6	8247.9	8622.4	8997.0	9159.9	9322.8
6840.1	27.5°	7051.2	7494.9	7938.6	8434.4	8930.5	9222.1	9513.4
6560.1	30°	6755.9	7218.1	7680.4	8291.0	8901.7	9335.9	9770.3
6479.9	32.5°	6633.5	7068.0	7502.4	8193.3	8884.2	9478.8	10073.6
6907.5	35°	6943.4	7244.9	7546.8	8266.5	8986.4	9714.2	10442.1
8166.2	37.5°	8002.3	8021.8	8041.4	8695.6	9349.9	10206.2	11062.6
10249.9	40°	9851.3	9507.8	9164.4	9651.0	10137.6	11068.8	12000.1
13058.0	42.5°	12333.0	11584.0	10835.0	11115.2	11395.5	12319.5	13243.5
16462.8	45°	15271.5	14071.3	12871.2	12995.1	13118.7	13948.9	14778.9
20239.8	47.5°	18495.8	16765.1	15033.9	15058.9	15084.0	15891.7	16699.1
23994.0	50°	21692.0	19460.9	17229.8	17225.6	17221.3	18218.5	19216.0
27623.6	52.5°	24775.4	22110.4	19445.4	19567.7	19689.8	20897.3	22105.1
31169.7	55°	27774.3	24808.4	21842.4	22318.4	22794.5	23987.7	25181.0
34605.1	57.5°	30759.1	27764.2	24769.3	25723.9	26678.8	27328.8	27978.6
39102.8	60°	34985.1	32150.9	29316.7	30502.4	31688.1	30678.6	29669.4
43169.4	62.5°	39251.7	36655.1	34058.8	34192.7	34326.3	31568.6	28810.8
43691.0	65°	39892.2	36592.5	33293.0	32781.1	32269.0	29680.7	27092.4
40883.9	67.5°	37068.8	33631.2	30193.3	29953.4	29713.3	27251.6	24789.9
37025.4	70°	33742.2	30668.1	27593.8	27486.2	27378.9	24701.1	22023.6
32296.3	72.5°	29837.4	27432.1	25026.8	24949.8	24872.6	21799.8	18727.2
26962.0	75°	25231.1	23359.8	21488.4	21202.9	20917.4	17737.2	14557.1
21228.2	77.5°	20000.6	18578.0	17155.4	16746.8	16338.2	13369.3	10400.8
15610.9	80°	14966.2	13892.3	12817.8	12310.0	11802.1	9304.8	6807.3
10254.9	82.5°	9985.9	9246.4	8506.9	7939.3	7372.0	5664.4	3957.0
5886.3	85°	5733.6	5126.2	4518.5	4036.0	3553.4	2647.2	1741.0
2307.3	87.5°	2294.2	1990.4	1686.6	1417.4	1148.1	843.5	539.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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