

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: P957232

Luminaire Tested: **GALN-SB9C-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957232
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-SB9C-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41373 lumens
Efficiency: N/A
Efficacy: 92.0 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

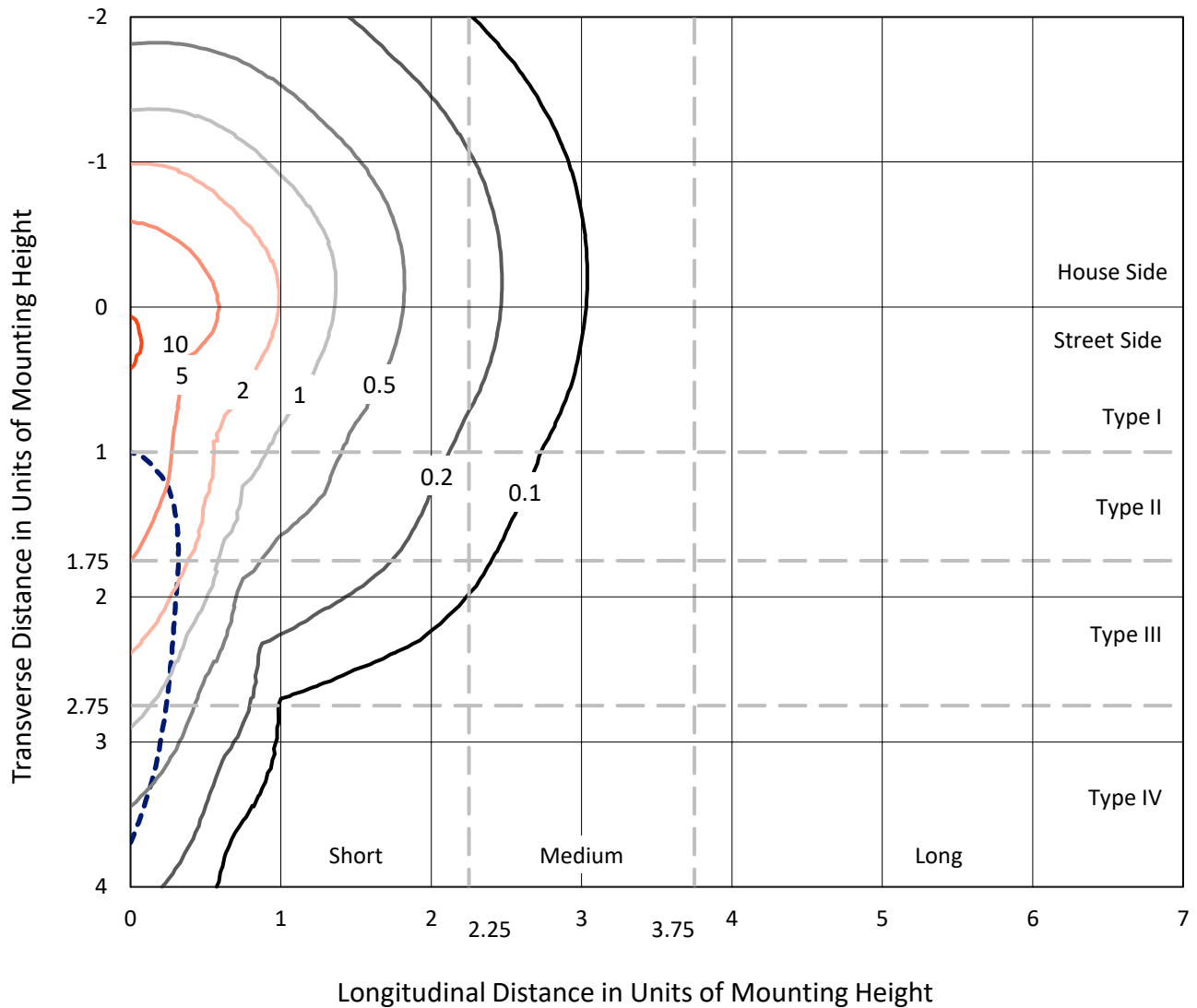
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

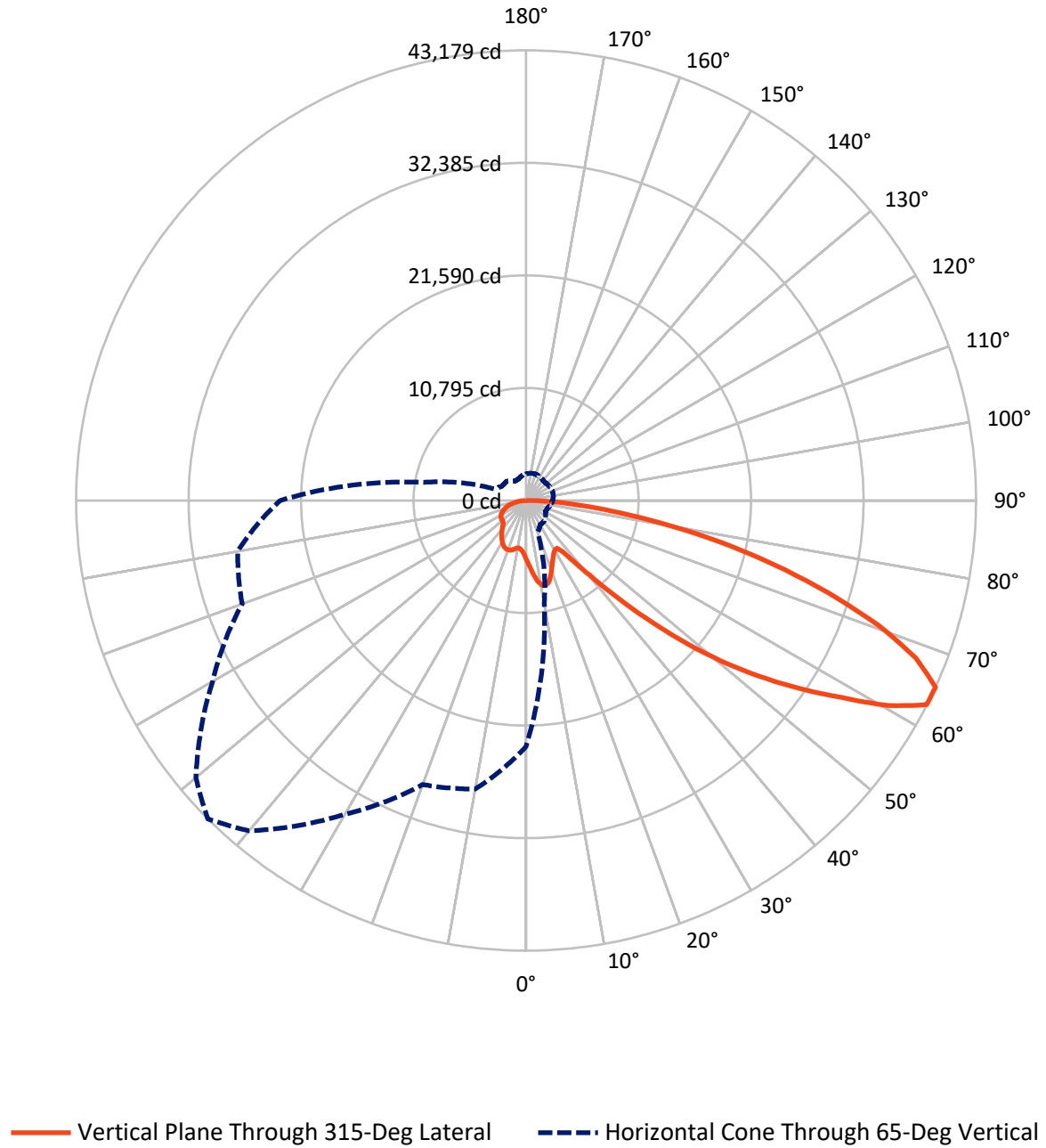
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10514.9	0.0	10514.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	30858.1	0.0	30858.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	41373.0	0.0	41373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.4	1.4
10°-20°	1771.6	4.3
20°-30°	2736.6	6.6
30°-40°	3467.9	8.4
40°-50°	5230.5	12.6
50°-60°	8450.6	20.4
60°-70°	10535.1	25.5
70°-80°	6908.4	16.7
80°-90°	1707.9	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°	41373.0	100.0
0°-180°	41373.0	100.0

Coefficient of Utilization



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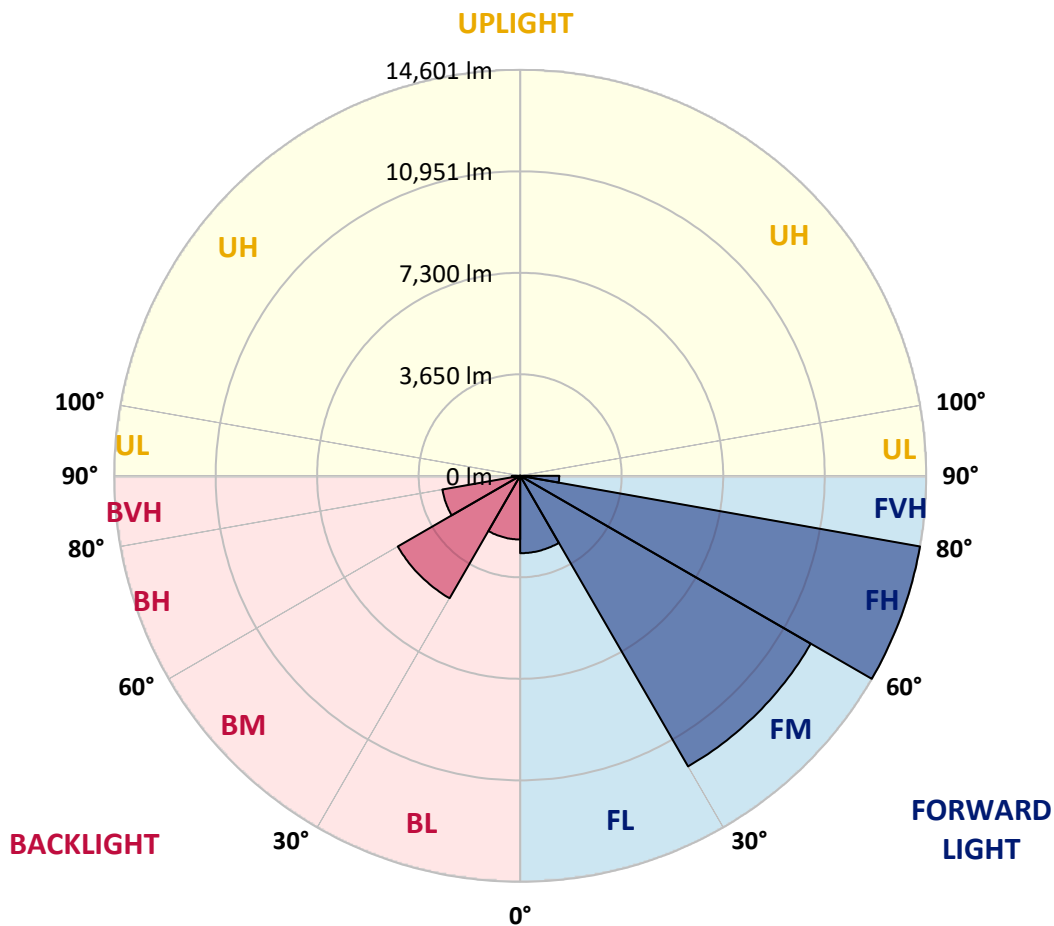
CATALOG NUMBER: GALN-SB9C-927-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2782.8	6.7			
FM (30°-60°)	12067.6	29.2			
FH (60°-80°)	14600.7	35.3			G5
FVH (80°-90°)	1407.0	3.4			G5
BL (0°-30°)	2289.8	5.5	B3/2500		
BM (30°-60°)	5081.5	12.3	B4/8500		
BH (60°-80°)	2842.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	301.0	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°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
2.5°	6118.1	6071.2	6024.2	5974.3	5924.5	5874.3	5824.1	5776.0	5728.0	5681.5
5°	6578.8	6475.1	6371.4	6267.9	6164.6	6060.5	5956.6	5859.4	5762.3	5670.6
7.5°	7041.6	6870.4	6699.5	6541.4	6383.4	6229.5	6075.6	5940.0	5804.4	5679.3
10°	7396.3	7180.0	6963.6	6754.7	6546.0	6359.1	6172.0	6011.8	5851.1	5696.8
12.5°	7613.5	7375.8	7138.3	6901.6	6665.0	6444.5	6224.0	6042.6	5861.2	5699.0
15°	7745.6	7497.8	7250.1	6993.3	6736.6	6482.7	6228.8	6018.8	5808.8	5629.1
17.5°	7819.8	7568.6	7317.3	7037.2	6757.1	6462.4	6167.7	5915.1	5662.5	5451.2
20°	7901.7	7640.6	7379.3	7071.5	6763.7	6406.5	6049.4	5736.3	5423.2	5177.2
22.5°	7996.7	7729.9	7462.9	7117.8	6772.4	6338.0	5903.5	5526.5	5149.5	4869.4
25°	8118.9	7857.4	7596.1	7201.6	6806.9	6270.3	5733.9	5292.3	4850.8	4563.8
27.5°	8284.8	8035.5	7786.0	7332.6	6878.9	6225.1	5571.3	5078.1	4584.9	4323.6
30°	8508.6	8267.6	8026.8	7502.2	6977.6	6203.9	5429.8	4899.1	4368.4	4149.0
32.5°	8772.8	8534.2	8295.8	7679.3	7062.7	6177.7	5292.3	4744.7	4197.0	4020.2
35°	9093.7	8865.3	8636.8	7881.0	7125.2	6128.4	5132.0	4593.0	4054.0	3906.6
37.5°	9634.0	9342.8	9051.5	8106.9	7162.3	6043.9	4925.5	4414.4	3903.4	3774.6
40°	10450.5	10026.1	9601.7	8393.8	7185.7	5927.5	4669.6	4201.4	3733.1	3616.3
42.5°	11533.3	10920.7	10308.1	8769.1	7230.0	5807.5	4385.4	3966.2	3547.1	3439.5
45°	12870.4	12044.1	11217.8	9262.9	7307.9	5695.9	4084.1	3716.5	3348.9	3239.7
47.5°	14542.7	13379.7	12216.6	9789.0	7361.4	5603.8	3846.2	3518.9	3191.7	3050.9
50°	16734.5	14981.3	13227.8	10277.1	7326.5	5503.4	3680.3	3387.7	3095.2	2910.1
52.5°	19250.5	16663.6	14076.6	10594.1	7111.4	5333.7	3556.3	3301.3	3046.5	2833.7
55°	21929.2	18155.0	14381.1	10524.3	6667.2	5052.6	3437.9	3238.6	3039.3	2841.3
57.5°	24365.5	19212.1	14058.7	10032.6	6006.8	4656.1	3305.2	3164.4	3023.6	2848.9
60°	25838.0	19476.3	13114.3	9117.7	5121.1	4141.3	3161.6	3050.9	2940.2	2824.9
62.5°	25090.3	18364.0	11637.6	7880.5	4123.4	3525.3	2927.1	2853.5	2780.2	2766.0
65°	23593.8	16790.2	9986.6	6618.3	3250.2	2971.0	2691.8	2657.0	2622.3	2624.1
67.5°	21588.6	14917.3	8246.0	5381.8	2517.5	2438.3	2358.8	2378.3	2397.5	2392.7
70°	19179.6	12873.7	6567.8	4237.4	1906.9	1929.6	1952.1	2042.1	2131.8	2131.8
72.5°	16308.8	10658.3	5008.0	3239.5	1471.0	1539.3	1607.8	1735.3	1862.6	1884.0
75°	12677.2	8118.7	3560.2	2351.2	1142.2	1204.2	1266.2	1409.0	1551.7	1650.4
77.5°	9057.7	5682.4	2307.1	1593.2	879.4	921.5	963.8	1102.5	1241.1	1403.7
80°	5928.2	3661.0	1393.9	1026.5	659.3	676.8	694.2	811.7	928.9	1123.2
82.5°	3446.0	2118.9	792.0	631.4	471.1	474.2	477.7	564.1	650.6	816.5
85°	1516.2	953.1	390.3	337.5	284.9	283.4	281.6	344.9	408.2	531.6
87.5°	469.4	312.2	155.0	139.9	124.9	123.3	121.8	147.6	173.6	224.9
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5629.8	2.5°	5587.8	5546.2	5508.4	5470.8	5437.9	5404.9	5371.7	5338.8	5313.2	5287.5
5580.0	5°	5501.0	5421.7	5355.3	5289.2	5230.7	5172.2	5119.1	5065.9	5025.0	4984.0
5562.1	7.5°	5456.9	5351.9	5264.5	5177.2	5103.6	5029.8	4964.8	4900.0	4851.3	4802.8
5570.8	10°	5459.9	5349.0	5261.7	5174.4	5095.1	5015.7	4942.5	4869.4	4811.3	4753.0
5581.7	12.5°	5490.9	5400.5	5342.5	5284.8	5222.4	5160.4	5084.6	5009.1	4934.9	4860.7
5535.2	15°	5491.8	5448.6	5456.4	5464.3	5448.1	5432.0	5366.3	5300.6	5194.9	5089.2
5393.3	17.5°	5409.3	5425.0	5520.2	5615.4	5666.0	5716.4	5663.4	5610.6	5470.6	5330.7
5161.9	20°	5236.2	5310.4	5475.6	5641.1	5747.0	5852.9	5828.4	5803.8	5643.7	5483.9
4899.3	22.5°	5009.1	5118.9	5307.5	5496.6	5634.3	5772.1	5786.9	5801.6	5648.8	5495.9
4644.5	25°	4771.2	4897.8	5067.4	5237.2	5372.8	5508.4	5559.0	5609.5	5484.2	5359.1
4421.9	27.5°	4544.1	4666.4	4805.9	4945.1	5053.9	5162.6	5218.9	5275.4	5186.2	5097.1
4226.0	30°	4323.0	4420.3	4536.0	4651.7	4741.9	4832.3	4878.1	4924.0	4856.1	4788.0
4054.4	32.5°	4111.9	4169.3	4261.6	4354.2	4440.6	4527.3	4578.2	4629.3	4566.8	4504.2
3892.5	35°	3908.2	3924.1	3994.6	4064.9	4150.5	4236.3	4297.4	4358.5	4314.0	4269.7
3722.6	37.5°	3705.1	3687.7	3738.3	3788.8	3874.1	3959.7	4035.2	4110.8	4090.2	4069.7
3536.6	40°	3497.1	3457.6	3494.0	3530.5	3613.0	3695.5	3782.4	3869.5	3874.6	3879.4
3339.0	42.5°	3286.6	3234.3	3263.9	3293.9	3372.0	3450.4	3544.3	3638.1	3663.2	3688.3
3142.6	45°	3091.5	3040.6	3065.5	3090.8	3165.1	3239.3	3336.6	3434.0	3470.0	3506.0
2967.3	47.5°	2924.5	2881.7	2905.3	2928.6	3001.3	3073.8	3169.9	3265.9	3307.4	3348.9
2812.9	50°	2774.9	2737.2	2773.8	2810.7	2879.3	2947.6	3033.6	3119.6	3172.9	3226.2
2697.9	52.5°	2660.3	2623.0	2678.2	2733.2	2796.1	2858.8	2938.9	3019.2	3082.3	3145.4
2636.7	55°	2577.4	2518.2	2596.6	2674.7	2742.4	2810.1	2880.4	2950.5	3017.3	3084.3
2600.1	57.5°	2513.6	2427.2	2511.4	2595.7	2675.2	2754.6	2824.1	2893.7	2961.1	3028.4
2565.6	60°	2453.6	2341.4	2415.4	2489.2	2580.4	2671.7	2742.2	2812.9	2880.6	2948.3
2525.4	62.5°	2385.2	2245.3	2292.2	2339.2	2445.5	2552.0	2627.4	2702.7	2764.7	2826.7
2440.7	65°	2291.8	2142.7	2160.8	2178.7	2292.7	2406.9	2478.9	2550.9	2605.5	2660.1
2289.6	67.5°	2165.6	2041.6	2036.0	2030.3	2135.5	2240.9	2309.3	2377.4	2424.5	2471.7
2098.0	70°	2009.8	1921.6	1901.9	1882.3	1974.8	2067.4	2126.3	2185.3	2227.8	2270.4
1884.4	72.5°	1824.0	1763.5	1734.7	1706.1	1779.0	1851.7	1905.0	1958.2	1999.9	2041.6
1642.1	75°	1595.6	1548.9	1521.4	1493.7	1547.8	1602.0	1650.2	1698.4	1736.4	1774.4
1399.4	77.5°	1362.0	1324.7	1296.8	1268.8	1312.9	1356.8	1398.3	1439.8	1479.7	1519.4
1122.5	80°	1091.3	1059.9	1036.5	1013.0	1049.6	1086.1	1121.0	1155.9	1186.3	1216.4
825.6	82.5°	810.4	795.1	778.5	761.9	758.8	755.8	743.6	731.3	796.0	860.6
543.6	85°	527.2	510.8	492.3	473.7	458.0	442.1	408.2	374.4	434.9	495.6
240.1	87.5°	233.6	227.0	223.5	220.1	219.4	218.7	193.0	167.0	192.3	217.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5266.7	2.5°	5246.0	5229.8	5213.7	5198.8	5183.8	5165.2	5183.8	5198.8	5213.7	5229.8
4955.4	5°	4926.8	4906.5	4886.2	4870.7	4855.2	4839.9	4855.2	4870.7	4886.2	4906.5
4768.8	7.5°	4734.7	4711.3	4688.2	4674.2	4660.5	4650.0	4660.5	4674.2	4688.2	4711.3
4715.0	10°	4676.6	4654.6	4632.5	4620.7	4608.9	4604.1	4608.9	4620.7	4632.5	4654.6
4811.5	12.5°	4762.4	4737.8	4713.3	4703.3	4693.2	4691.5	4693.2	4703.3	4713.3	4737.8
5014.6	15°	4939.9	4905.6	4871.6	4858.5	4845.4	4844.3	4845.4	4858.5	4871.6	4905.6
5220.7	17.5°	5110.6	5060.0	5009.1	4992.5	4975.7	4973.1	4975.7	4992.5	5009.1	5060.0
5349.0	20°	5214.3	5149.5	5084.4	5063.7	5042.9	5036.4	5042.9	5063.7	5084.4	5149.5
5357.1	22.5°	5218.0	5149.7	5081.2	5058.2	5035.3	5025.5	5035.3	5058.2	5081.2	5149.7
5235.5	25°	5112.4	5053.0	4993.8	4972.2	4950.8	4938.2	4950.8	4972.2	4993.8	5053.0
5001.3	27.5°	4905.4	4865.7	4825.7	4815.9	4806.1	4802.8	4806.1	4815.9	4825.7	4865.7
4719.4	30°	4650.4	4630.1	4609.6	4609.6	4609.6	4612.9	4609.6	4609.6	4609.6	4630.1
4449.4	32.5°	4394.6	4381.3	4367.9	4369.7	4371.6	4374.9	4371.6	4369.7	4367.9	4381.3
4219.0	35°	4168.6	4148.3	4128.2	4123.9	4119.5	4117.3	4119.5	4123.9	4128.2	4148.3
4023.2	37.5°	3976.5	3939.6	3902.9	3883.5	3864.1	3853.2	3864.1	3883.5	3902.9	3939.6
3839.8	40°	3800.3	3746.6	3693.4	3657.1	3621.3	3599.9	3621.3	3657.1	3693.4	3746.6
3654.9	42.5°	3621.8	3555.2	3488.6	3436.0	3383.4	3348.9	3383.4	3436.0	3488.6	3555.2
3475.9	45°	3446.0	3369.8	3293.9	3232.1	3170.3	3130.6	3170.3	3232.1	3293.9	3369.8
3327.9	47.5°	3307.0	3239.3	3171.6	3114.4	3057.4	3019.2	3057.4	3114.4	3171.6	3239.3
3224.9	50°	3224.0	3169.9	3115.7	3062.9	3010.1	2973.4	3010.1	3062.9	3115.7	3169.9
3156.8	52.5°	3168.1	3124.0	3079.9	3032.5	2985.4	2951.5	2985.4	3032.5	3079.9	3124.0
3100.0	55°	3115.7	3077.3	3038.9	2997.4	2955.9	2925.3	2955.9	2997.4	3038.9	3077.3
3044.3	57.5°	3060.3	3021.4	2982.5	2941.5	2900.2	2868.6	2900.2	2941.5	2982.5	3021.4
2965.7	60°	2983.2	2945.2	2907.4	2865.1	2822.7	2790.0	2822.7	2865.1	2907.4	2945.2
2843.5	62.5°	2860.3	2826.0	2791.7	2747.2	2702.7	2663.4	2702.7	2747.2	2791.7	2826.0
2677.3	65°	2694.4	2661.4	2628.4	2585.2	2542.2	2508.4	2542.2	2585.2	2628.4	2661.4
2488.5	67.5°	2505.1	2474.8	2444.6	2404.5	2364.3	2333.7	2364.3	2404.5	2444.6	2474.8
2286.6	70°	2302.7	2278.1	2253.4	2215.0	2176.5	2141.6	2176.5	2215.0	2253.4	2278.1
2060.8	72.5°	2080.1	2059.5	2039.0	2002.3	1965.9	1932.0	1965.9	2002.3	2039.0	2059.5
1794.5	75°	1814.6	1804.5	1794.5	1763.7	1732.9	1700.6	1732.9	1763.7	1794.5	1804.5
1538.2	77.5°	1557.0	1543.0	1528.6	1497.6	1466.6	1440.8	1466.6	1497.6	1528.6	1543.0
1241.3	80°	1266.2	1260.1	1254.2	1212.5	1170.6	1122.1	1170.6	1212.5	1254.2	1260.1
902.9	82.5°	945.3	942.7	939.8	904.7	869.3	838.3	869.3	904.7	939.8	942.7
548.0	85°	600.4	596.0	591.6	564.1	536.6	508.7	536.6	564.1	591.6	596.0
239.0	87.5°	260.2	255.0	249.3	235.3	220.9	207.4	220.9	235.3	249.3	255.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5246.0	2.5°	5266.7	5287.5	5313.2	5338.8	5371.7	5404.9	5437.9	5470.8	5508.4	5546.2
4926.8	5°	4955.4	4984.0	5025.0	5065.9	5119.1	5172.2	5230.7	5289.2	5355.3	5421.7
4734.7	7.5°	4768.8	4802.8	4851.3	4900.0	4964.8	5029.8	5103.6	5177.2	5264.5	5351.9
4676.6	10°	4715.0	4753.0	4811.3	4869.4	4942.5	5015.7	5095.1	5174.4	5261.7	5349.0
4762.4	12.5°	4811.5	4860.7	4934.9	5009.1	5084.6	5160.4	5222.4	5284.8	5342.5	5400.5
4939.9	15°	5014.6	5089.2	5194.9	5300.6	5366.3	5432.0	5448.1	5464.3	5456.4	5448.6
5110.6	17.5°	5220.7	5330.7	5470.6	5610.6	5663.4	5716.4	5666.0	5615.4	5520.2	5425.0
5214.3	20°	5349.0	5483.9	5643.7	5803.8	5828.4	5852.9	5747.0	5641.1	5475.6	5310.4
5218.0	22.5°	5357.1	5495.9	5648.8	5801.6	5786.9	5772.1	5634.3	5496.6	5307.5	5118.9
5112.4	25°	5235.5	5359.1	5484.2	5609.5	5559.0	5508.4	5372.8	5237.2	5067.4	4897.8
4905.4	27.5°	5001.3	5097.1	5186.2	5275.4	5218.9	5162.6	5053.9	4945.1	4805.9	4666.4
4650.4	30°	4719.4	4788.0	4856.1	4924.0	4878.1	4832.3	4741.9	4651.7	4536.0	4420.3
4394.6	32.5°	4449.4	4504.2	4566.8	4629.3	4578.2	4527.3	4440.6	4354.2	4261.6	4169.3
4168.6	35°	4219.0	4269.7	4314.0	4358.5	4297.4	4236.3	4150.5	4064.9	3994.6	3924.1
3976.5	37.5°	4023.2	4069.7	4090.2	4110.8	4035.2	3959.7	3874.1	3788.8	3738.3	3687.7
3800.3	40°	3839.8	3879.4	3874.6	3869.5	3782.4	3695.5	3613.0	3530.5	3494.0	3457.6
3621.8	42.5°	3654.9	3688.3	3663.2	3638.1	3544.3	3450.4	3372.0	3293.9	3263.9	3234.3
3446.0	45°	3475.9	3506.0	3470.0	3434.0	3336.6	3239.3	3165.1	3090.8	3065.5	3040.6
3307.0	47.5°	3327.9	3348.9	3307.4	3265.9	3169.9	3073.8	3001.3	2928.6	2905.3	2881.7
3224.0	50°	3224.9	3226.2	3172.9	3119.6	3033.6	2947.6	2879.3	2810.7	2773.8	2737.2
3168.1	52.5°	3156.8	3145.4	3082.3	3019.2	2938.9	2858.8	2796.1	2733.2	2678.2	2623.0
3115.7	55°	3100.0	3084.3	3017.3	2950.5	2880.4	2810.1	2742.4	2674.7	2596.6	2518.2
3060.3	57.5°	3044.3	3028.4	2961.1	2893.7	2824.1	2754.6	2675.2	2595.7	2511.4	2427.2
2983.2	60°	2965.7	2948.3	2880.6	2812.9	2742.2	2671.7	2580.4	2489.2	2415.4	2341.4
2860.3	62.5°	2843.5	2826.7	2764.7	2702.7	2627.4	2552.0	2445.5	2339.2	2292.2	2245.3
2694.4	65°	2677.3	2660.1	2605.5	2550.9	2478.9	2406.9	2292.7	2178.7	2160.8	2142.7
2505.1	67.5°	2488.5	2471.7	2424.5	2377.4	2309.3	2240.9	2135.5	2030.3	2036.0	2041.6
2302.7	70°	2286.6	2270.4	2227.8	2185.3	2126.3	2067.4	1974.8	1882.3	1901.9	1921.6
2080.1	72.5°	2060.8	2041.6	1999.9	1958.2	1905.0	1851.7	1779.0	1706.1	1734.7	1763.5
1814.6	75°	1794.5	1774.4	1736.4	1698.4	1650.2	1602.0	1547.8	1493.7	1521.4	1548.9
1557.0	77.5°	1538.2	1519.4	1479.7	1439.8	1398.3	1356.8	1312.9	1268.8	1296.8	1324.7
1266.2	80°	1241.3	1216.4	1186.3	1155.9	1121.0	1086.1	1049.6	1013.0	1036.5	1059.9
945.3	82.5°	902.9	860.6	796.0	731.3	743.6	755.8	758.8	761.9	778.5	795.1
600.4	85°	548.0	495.6	434.9	374.4	408.2	442.1	458.0	473.7	492.3	510.8
260.2	87.5°	239.0	217.9	192.3	167.0	193.0	218.7	219.4	220.1	223.5	227.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5587.8	2.5°	5629.8	5681.5	5728.0	5776.0	5824.1	5874.3	5924.5	5974.3	6024.2	6071.2
5501.0	5°	5580.0	5670.6	5762.3	5859.4	5956.6	6060.5	6164.6	6267.9	6371.4	6475.1
5456.9	7.5°	5562.1	5679.3	5804.4	5940.0	6075.6	6229.5	6383.4	6541.4	6699.5	6870.4
5459.9	10°	5570.8	5696.8	5851.1	6011.8	6172.0	6359.1	6546.0	6754.7	6963.6	7180.0
5490.9	12.5°	5581.7	5699.0	5861.2	6042.6	6224.0	6444.5	6665.0	6901.6	7138.3	7375.8
5491.8	15°	5535.2	5629.1	5808.8	6018.8	6228.8	6482.7	6736.6	6993.3	7250.1	7497.8
5409.3	17.5°	5393.3	5451.2	5662.5	5915.1	6167.7	6462.4	6757.1	7037.2	7317.3	7568.6
5236.2	20°	5161.9	5177.2	5423.2	5736.3	6049.4	6406.5	6763.7	7071.5	7379.3	7640.6
5009.1	22.5°	4899.3	4869.4	5149.5	5526.5	5903.5	6338.0	6772.4	7117.8	7462.9	7729.9
4771.2	25°	4644.5	4563.8	4850.8	5292.3	5733.9	6270.3	6806.9	7201.6	7596.1	7857.4
4544.1	27.5°	4421.9	4323.6	4584.9	5078.1	5571.3	6225.1	6878.9	7332.6	7786.0	8035.5
4323.0	30°	4226.0	4149.0	4368.4	4899.1	5429.8	6203.9	6977.6	7502.2	8026.8	8267.6
4111.9	32.5°	4054.4	4020.2	4197.0	4744.7	5292.3	6177.7	7062.7	7679.3	8295.8	8534.2
3908.2	35°	3892.5	3906.6	4054.0	4593.0	5132.0	6128.4	7125.2	7881.0	8636.8	8865.3
3705.1	37.5°	3722.6	3774.6	3903.4	4414.4	4925.5	6043.9	7162.3	8106.9	9051.5	9342.8
3497.1	40°	3536.6	3616.3	3733.1	4201.4	4669.6	5927.5	7185.7	8393.8	9601.7	10026.1
3286.6	42.5°	3339.0	3439.5	3547.1	3966.2	4385.4	5807.5	7230.0	8769.1	10308.1	10920.7
3091.5	45°	3142.6	3239.7	3348.9	3716.5	4084.1	5695.9	7307.9	9262.9	11217.8	12044.1
2924.5	47.5°	2967.3	3050.9	3191.7	3518.9	3846.2	5603.8	7361.4	9789.0	12216.6	13379.7
2774.9	50°	2812.9	2910.1	3095.2	3387.7	3680.3	5503.4	7326.5	10277.1	13227.8	14981.3
2660.3	52.5°	2697.9	2833.7	3046.5	3301.3	3556.3	5333.7	7111.4	10594.1	14076.6	16663.6
2577.4	55°	2636.7	2841.3	3039.3	3238.6	3437.9	5052.6	6667.2	10524.3	14381.1	18155.0
2513.6	57.5°	2600.1	2848.9	3023.6	3164.4	3305.2	4656.1	6006.8	10032.6	14058.7	19212.1
2453.6	60°	2565.6	2824.9	2940.2	3050.9	3161.6	4141.3	5121.1	9117.7	13114.3	19476.3
2385.2	62.5°	2525.4	2766.0	2780.2	2853.5	2927.1	3525.3	4123.4	7880.5	11637.6	18364.0
2291.8	65°	2440.7	2624.1	2622.3	2657.0	2691.8	2971.0	3250.2	6618.3	9986.6	16790.2
2165.6	67.5°	2289.6	2392.7	2397.5	2378.3	2358.8	2438.3	2517.5	5381.8	8246.0	14917.3
2009.8	70°	2098.0	2131.8	2131.8	2042.1	1952.1	1929.6	1906.9	4237.4	6567.8	12873.7
1824.0	72.5°	1884.4	1884.0	1862.6	1735.3	1607.8	1539.3	1471.0	3239.5	5008.0	10658.3
1595.6	75°	1642.1	1650.4	1551.7	1409.0	1266.2	1204.2	1142.2	2351.2	3560.2	8118.7
1362.0	77.5°	1399.4	1403.7	1241.1	1102.5	963.8	921.5	879.4	1593.2	2307.1	5682.4
1091.3	80°	1122.5	1123.2	928.9	811.7	694.2	676.8	659.3	1026.5	1393.9	3661.0
810.4	82.5°	825.6	816.5	650.6	564.1	477.7	474.2	471.1	631.4	792.0	2118.9
527.2	85°	543.6	531.6	408.2	344.9	281.6	283.4	284.9	337.5	390.3	953.1
233.6	87.5°	240.1	224.9	173.6	147.6	121.8	123.3	124.9	139.9	155.0	312.2
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
6118.1	2.5°	6141.3	6164.6	6197.6	6230.6	6250.2	6269.8	6279.7	6289.5	6285.1	6289.5
6578.8	5°	6659.7	6741.0	6821.3	6901.9	6945.5	6989.2	7015.6	7042.2	7062.3	7042.2
7041.6	7.5°	7173.4	7305.1	7423.6	7542.2	7613.5	7684.9	7723.6	7762.0	7780.5	7762.0
7396.3	10°	7552.2	7708.1	7847.1	7986.2	8070.5	8154.3	8191.8	8229.2	8243.4	8229.2
7613.5	12.5°	7782.5	7951.3	8077.0	8202.3	8263.4	8324.6	8345.1	8365.6	8367.8	8365.6
7745.6	15°	7891.4	8037.1	8115.9	8194.9	8197.1	8199.3	8177.4	8155.6	8129.8	8155.6
7819.8	17.5°	7918.3	8016.8	8018.3	8019.6	7931.2	7842.8	7761.8	7680.6	7623.4	7680.6
7901.7	20°	7936.0	7970.5	7866.8	7763.1	7567.9	7372.7	7230.6	7088.5	7001.2	7088.5
7996.7	22.5°	7951.7	7906.7	7691.9	7477.1	7190.0	6902.9	6725.2	6547.5	6451.0	6547.5
8118.9	25°	7977.0	7835.1	7509.0	7182.8	6834.2	6485.5	6298.7	6112.2	6021.0	6112.2
8284.8	27.5°	8031.2	7777.3	7345.2	6913.4	6527.0	6140.6	5956.8	5773.2	5687.0	5773.2
8508.6	30°	8130.3	7752.2	7220.4	6688.6	6286.0	5883.4	5712.9	5542.4	5462.1	5542.4
8772.8	32.5°	8254.7	7736.9	7135.2	6533.6	6155.2	5776.9	5643.1	5509.0	5451.2	5509.0
9093.7	35°	8459.7	7826.0	7199.0	6572.2	6309.4	6046.7	6015.5	5984.3	5979.5	5984.3
9634.0	37.5°	8888.3	8142.5	7572.7	7002.9	6985.9	6968.9	7111.6	7254.4	7328.6	7254.4
10450.5	40°	9639.5	8828.4	8404.7	7981.0	8280.0	8579.1	8926.2	9273.3	9446.2	9273.3
11533.3	42.5°	10728.6	9923.9	9679.8	9435.8	10088.1	10740.4	11371.7	12003.1	12373.8	12003.1
12870.4	45°	12147.6	11424.6	11316.9	11209.1	12254.1	13299.4	14336.8	15374.4	16004.3	15374.4
14542.7	47.5°	13839.5	13136.1	13114.3	13092.5	14600.1	16107.3	17626.1	19144.6	20036.4	19144.6
16734.5	50°	15865.9	14997.4	15001.1	15004.8	16947.8	18890.8	20895.5	22900.2	24112.3	22900.2
19250.5	52.5°	18198.7	17147.1	17040.8	16934.3	19255.1	21576.0	24056.4	26536.6	27989.5	26536.6
21929.2	55°	20890.0	19850.9	19436.3	19021.7	21604.8	24187.6	27144.6	30101.6	31829.5	30101.6
24365.5	57.5°	23799.7	23233.6	22402.0	21570.7	24178.9	26787.0	30136.3	33485.4	35628.1	33485.4
25838.0	60°	26716.9	27596.1	26563.5	25530.9	27999.1	30467.3	34053.2	37639.2	39955.0	37639.2
25090.3	62.5°	27491.9	29893.5	29777.2	29660.6	31921.6	34182.9	37594.6	41006.2	43146.7	41006.2
23593.8	65°	25847.8	28101.9	28547.9	28993.7	31867.1	34740.7	38048.9	41357.0	43179.4	41357.0
21588.6	67.5°	23732.4	25876.2	26085.4	26294.3	29288.2	32281.9	35604.3	38926.8	40354.5	38926.8
19179.6	70°	21511.3	23843.3	23936.8	24030.4	26707.8	29384.9	32244.1	35103.1	35896.6	35103.1
16308.8	72.5°	18984.6	21660.7	21727.9	21794.9	23889.6	25984.3	28125.7	30266.9	30347.2	30266.9
12677.2	75°	15446.7	18216.2	18464.8	18713.5	20343.2	21972.8	23480.3	24987.7	24583.8	24987.7
9057.7	77.5°	11642.9	14228.3	14584.2	14940.0	16178.9	17417.8	18486.9	19556.2	18861.9	19556.2
5928.2	80°	8103.2	10278.0	10720.3	11162.6	12098.3	13033.5	13595.0	14156.3	13039.6	14156.3
3446.0	82.5°	4932.9	6420.0	6914.1	7408.3	8052.3	8696.4	8930.6	9164.6	8287.0	9164.6
1516.2	85°	2305.3	3094.5	3514.8	3935.0	4464.2	4993.2	5126.1	5259.1	4556.1	5259.1
469.4	87.5°	734.6	999.9	1234.3	1468.8	1733.4	1998.0	2009.3	2020.5	1696.3	2020.5
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
6279.7	2.5°	6269.8	6250.2	6230.6	6197.6	6164.6	6141.3	6118.1
7015.6	5°	6989.2	6945.5	6901.9	6821.3	6741.0	6659.7	6578.8
7723.6	7.5°	7684.9	7613.5	7542.2	7423.6	7305.1	7173.4	7041.6
8191.8	10°	8154.3	8070.5	7986.2	7847.1	7708.1	7552.2	7396.3
8345.1	12.5°	8324.6	8263.4	8202.3	8077.0	7951.3	7782.5	7613.5
8177.4	15°	8199.3	8197.1	8194.9	8115.9	8037.1	7891.4	7745.6
7761.8	17.5°	7842.8	7931.2	8019.6	8018.3	8016.8	7918.3	7819.8
7230.6	20°	7372.7	7567.9	7763.1	7866.8	7970.5	7936.0	7901.7
6725.2	22.5°	6902.9	7190.0	7477.1	7691.9	7906.7	7951.7	7996.7
6298.7	25°	6485.5	6834.2	7182.8	7509.0	7835.1	7977.0	8118.9
5956.8	27.5°	6140.6	6527.0	6913.4	7345.2	7777.3	8031.2	8284.8
5712.9	30°	5883.4	6286.0	6688.6	7220.4	7752.2	8130.3	8508.6
5643.1	32.5°	5776.9	6155.2	6533.6	7135.2	7736.9	8254.7	8772.8
6015.5	35°	6046.7	6309.4	6572.2	7199.0	7826.0	8459.7	9093.7
7111.6	37.5°	6968.9	6985.9	7002.9	7572.7	8142.5	8888.3	9634.0
8926.2	40°	8579.1	8280.0	7981.0	8404.7	8828.4	9639.5	10450.5
11371.7	42.5°	10740.4	10088.1	9435.8	9679.8	9923.9	10728.6	11533.3
14336.8	45°	13299.4	12254.1	11209.1	11316.9	11424.6	12147.6	12870.4
17626.1	47.5°	16107.3	14600.1	13092.5	13114.3	13136.1	13839.5	14542.7
20895.5	50°	18890.8	16947.8	15004.8	15001.1	14997.4	15865.9	16734.5
24056.4	52.5°	21576.0	19255.1	16934.3	17040.8	17147.1	18198.7	19250.5
27144.6	55°	24187.6	21604.8	19021.7	19436.3	19850.9	20890.0	21929.2
30136.3	57.5°	26787.0	24178.9	21570.7	22402.0	23233.6	23799.7	24365.5
34053.2	60°	30467.3	27999.1	25530.9	26563.5	27596.1	26716.9	25838.0
37594.6	62.5°	34182.9	31921.6	29660.6	29777.2	29893.5	27491.9	25090.3
38048.9	65°	34740.7	31867.1	28993.7	28547.9	28101.9	25847.8	23593.8
35604.3	67.5°	32281.9	29288.2	26294.3	26085.4	25876.2	23732.4	21588.6
32244.1	70°	29384.9	26707.8	24030.4	23936.8	23843.3	21511.3	19179.6
28125.7	72.5°	25984.3	23889.6	21794.9	21727.9	21660.7	18984.6	16308.8
23480.3	75°	21972.8	20343.2	18713.5	18464.8	18216.2	15446.7	12677.2
18486.9	77.5°	17417.8	16178.9	14940.0	14584.2	14228.3	11642.9	9057.7
13595.0	80°	13033.5	12098.3	11162.6	10720.3	10278.0	8103.2	5928.2
8930.6	82.5°	8696.4	8052.3	7408.3	6914.1	6420.0	4932.9	3446.0
5126.1	85°	4993.2	4464.2	3935.0	3514.8	3094.5	2305.3	1516.2
2009.3	87.5°	1998.0	1733.4	1468.8	1234.3	999.9	734.6	469.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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