

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: P957316

Luminaire Tested: **GALN-SB9C-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957316
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-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47283 lumens
Efficiency: N/A
Efficacy: 105.1 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

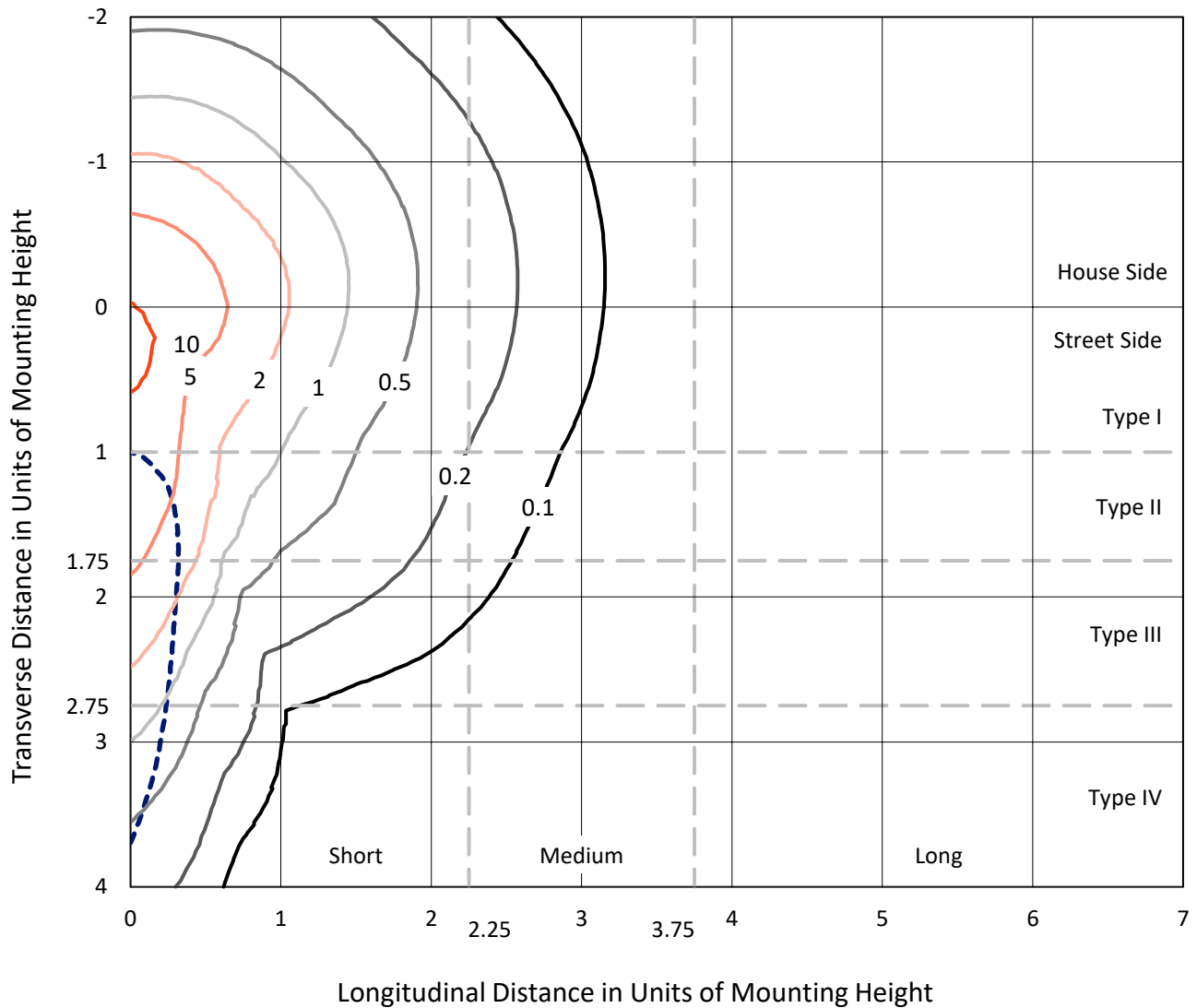
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

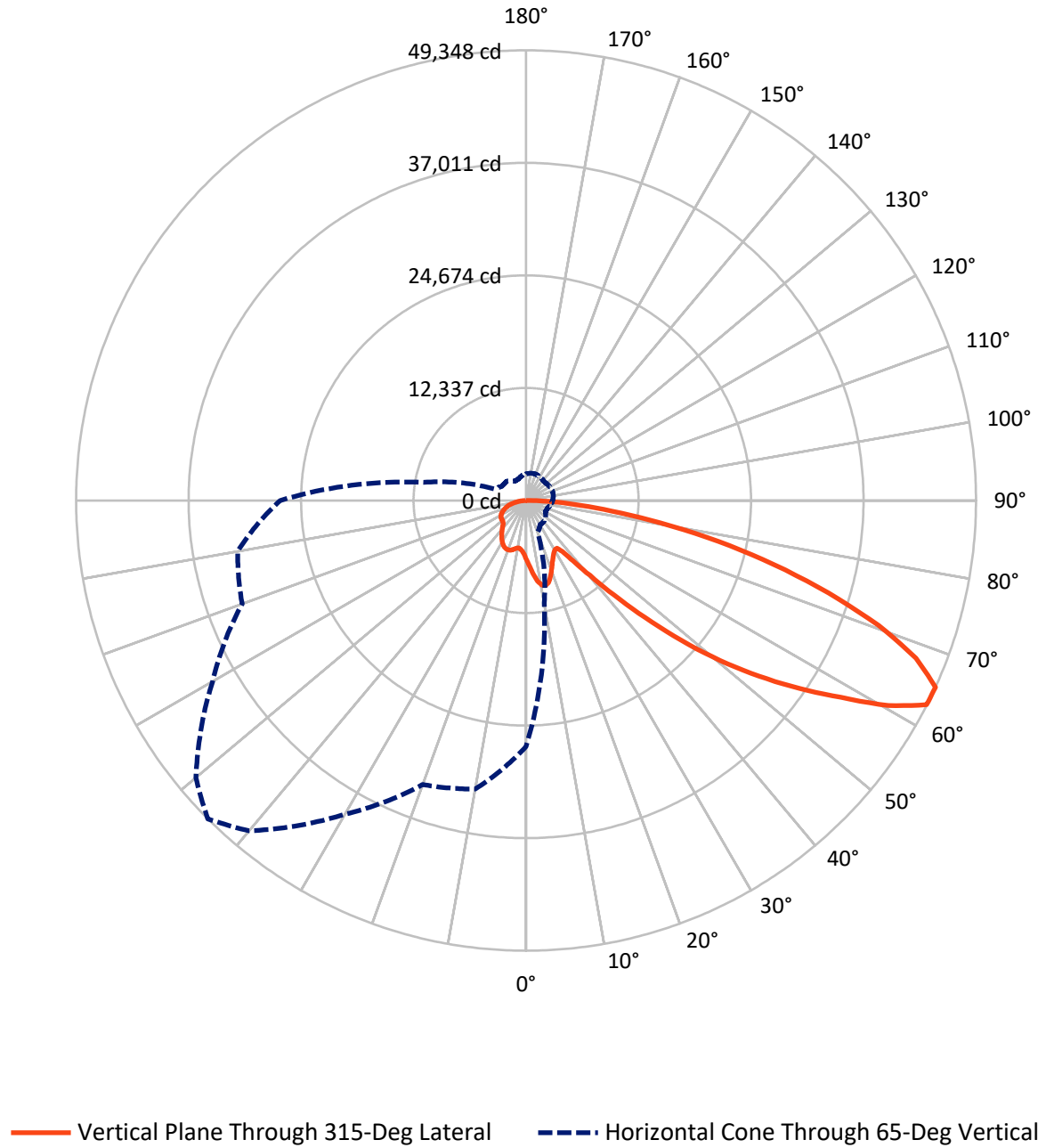
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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	12017.0	0.0	12017.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	35266.0	0.0	35266.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	47283.0	0.0	47283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.0	1.4
10°-20°	2024.7	4.3
20°-30°	3127.5	6.6
30°-40°	3963.3	8.4
40°-50°	5977.7	12.6
50°-60°	9657.8	20.4
60°-70°	12040.0	25.5
70°-80°	7895.2	16.7
80°-90°	1951.9	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°	47283.0	100.0
0°-180°	47283.0	100.0

Coefficient of Utilization



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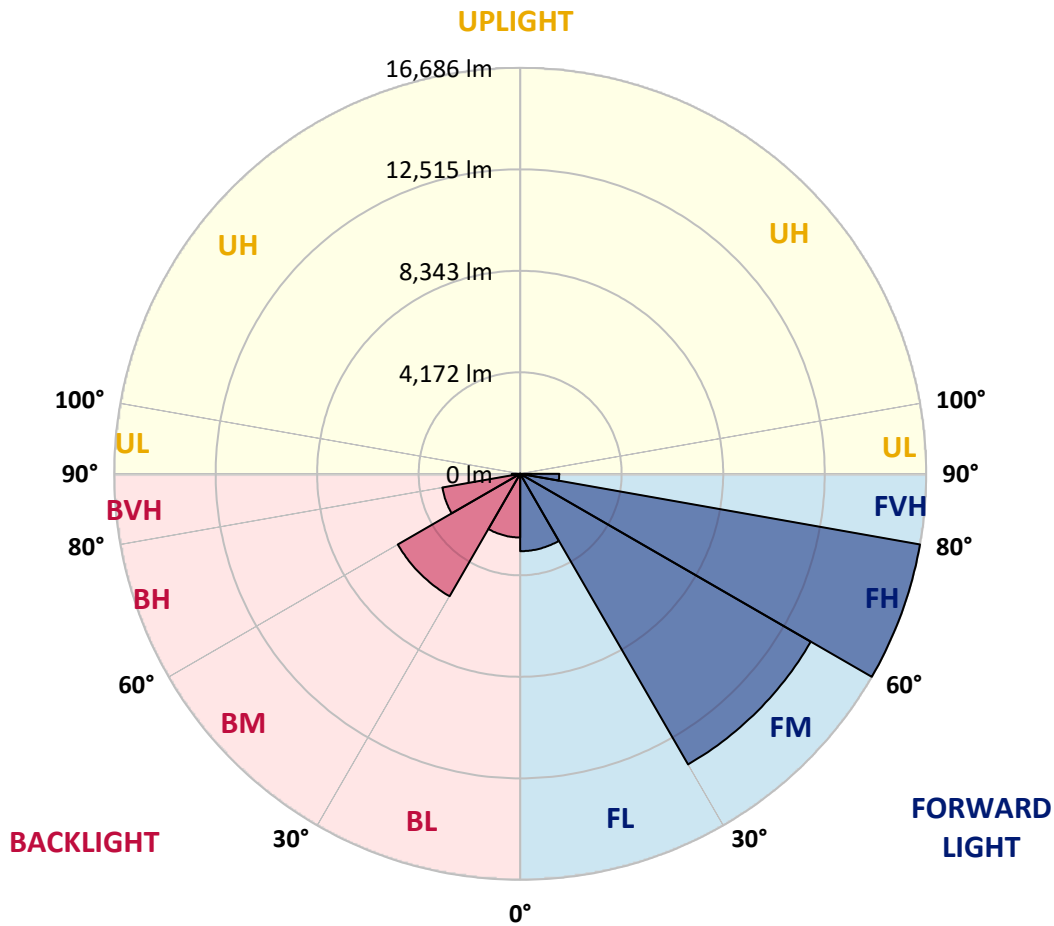
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3180.3	6.7			
FM (30°-60°)	13791.4	29.2			
FH (60°-80°)	16686.4	35.3			G5
FVH (80°-90°)	1607.9	3.4			G5
BL (0°-30°)	2616.8	5.5	B4/5000		
BM (30°-60°)	5807.3	12.3	B4/8500		
BH (60°-80°)	3248.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	344.0	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°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
2.5°	6992.1	6938.4	6884.8	6827.7	6770.8	6713.4	6656.0	6601.1	6546.2	6493.1
5°	7518.5	7400.0	7281.5	7163.2	7045.2	6926.2	6807.5	6696.4	6585.4	6480.6
7.5°	8047.4	7851.8	7656.5	7475.8	7295.2	7119.3	6943.4	6788.5	6633.6	6490.6
10°	8452.9	8205.6	7958.4	7719.6	7481.1	7267.5	7053.7	6870.6	6686.9	6510.6
12.5°	8701.1	8429.4	8158.0	7887.5	7617.1	7365.1	7113.1	6905.8	6698.4	6513.0
15°	8852.1	8568.9	8285.7	7992.3	7698.9	7408.7	7118.6	6878.6	6638.5	6433.2
17.5°	8936.9	8649.7	8362.5	8042.4	7722.3	7385.5	7048.7	6760.0	6471.4	6229.9
20°	9030.4	8732.0	8433.4	8081.6	7729.8	7321.7	6913.5	6555.7	6197.9	5916.8
22.5°	9139.0	8834.1	8529.0	8134.5	7739.8	7243.3	6746.8	6315.9	5885.1	5565.0
25°	9278.7	8979.8	8681.2	8230.3	7779.2	7166.0	6553.0	6048.2	5543.8	5215.7
27.5°	9468.3	9183.4	8898.2	8380.0	7861.6	7114.3	6367.1	5803.5	5239.9	4941.2
30°	9724.0	9448.6	9173.4	8573.9	7974.3	7090.1	6205.4	5598.9	4992.4	4741.6
32.5°	10025.9	9753.2	9480.8	8776.2	8071.6	7060.2	6048.2	5422.5	4796.5	4594.4
35°	10392.7	10131.7	9870.5	9006.7	8143.0	7003.8	5865.1	5249.1	4633.1	4464.7
37.5°	11010.2	10677.4	10344.5	9265.0	8185.4	6907.2	5629.1	5045.0	4461.0	4313.8
40°	11943.3	11458.3	10973.3	9592.8	8212.1	6774.3	5336.7	4801.5	4266.4	4132.9
42.5°	13180.8	12480.7	11780.6	10021.7	8262.8	6637.0	5011.8	4532.8	4053.8	3930.8
45°	14708.9	13764.6	12820.3	10586.0	8351.8	6509.6	4667.5	4247.4	3827.2	3702.5
47.5°	16620.1	15291.0	13961.7	11187.3	8412.9	6404.3	4395.6	4021.6	3647.6	3486.7
50°	19125.0	17121.3	15117.4	11745.2	8373.0	6289.5	4206.0	3871.7	3537.3	3325.8
52.5°	22000.4	19043.9	16087.4	12107.5	8127.3	6095.6	4064.3	3772.9	3481.7	3238.4
55°	25061.7	20748.4	16435.4	12027.6	7619.6	5774.3	3929.0	3701.2	3473.5	3247.2
57.5°	27846.1	21956.5	16066.9	11465.8	6864.8	5321.2	3777.3	3616.4	3455.5	3255.9
60°	29528.9	22258.4	14987.6	10420.1	5852.6	4732.9	3613.2	3486.7	3360.2	3228.5
62.5°	28674.4	20987.2	13300.0	9006.2	4712.4	4028.8	3345.2	3261.1	3177.3	3161.1
65°	26964.1	19188.6	11413.1	7563.7	3714.5	3395.4	3076.3	3036.6	2996.9	2998.9
67.5°	24672.5	17048.2	9423.9	6150.5	2877.2	2786.6	2695.8	2718.0	2739.9	2734.5
70°	21919.3	14712.7	7506.0	4842.7	2179.3	2205.3	2231.0	2333.8	2436.3	2436.3
72.5°	18638.5	12180.8	5723.4	3702.2	1681.1	1759.2	1837.5	1983.2	2128.7	2153.1
75°	14488.1	9278.4	4068.8	2687.1	1305.4	1376.2	1447.1	1610.2	1773.4	1886.2
77.5°	10351.5	6494.1	2636.7	1820.8	1005.0	1053.1	1101.5	1259.9	1418.4	1604.2
80°	6775.0	4184.0	1593.0	1173.1	753.5	773.4	793.4	927.6	1061.6	1283.6
82.5°	3938.3	2421.6	905.2	721.5	538.4	541.9	545.9	644.7	743.5	933.1
85°	1732.7	1089.3	446.1	385.7	325.6	323.8	321.8	394.2	466.6	607.5
87.5°	536.4	356.8	177.1	159.9	142.7	141.0	139.2	168.7	198.3	257.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
6434.0	2.5°	6386.1	6338.4	6295.2	6252.3	6214.7	6177.0	6139.1	6101.4	6072.2	6042.8
6377.1	5°	6286.8	6196.2	6120.3	6044.7	5977.9	5911.0	5850.4	5789.5	5742.9	5696.0
6356.6	7.5°	6236.4	6116.4	6016.6	5916.8	5832.7	5748.3	5674.0	5599.9	5544.3	5488.9
6366.6	10°	6239.9	6113.1	6013.3	5913.5	5822.9	5732.1	5648.5	5565.0	5498.6	5432.0
6379.1	12.5°	6275.3	6172.0	6105.6	6039.8	5968.4	5897.5	5811.0	5724.6	5639.8	5555.0
6325.9	15°	6276.3	6226.9	6235.9	6244.8	6226.4	6207.9	6132.8	6057.7	5937.0	5816.2
6163.8	17.5°	6182.0	6199.9	6308.7	6417.5	6475.4	6533.0	6472.4	6412.0	6252.1	6092.2
5899.3	20°	5984.1	6068.9	6257.8	6446.9	6567.9	6688.9	6661.0	6632.8	6449.9	6267.3
5599.1	22.5°	5724.6	5850.1	6065.7	6281.8	6439.2	6596.6	6613.6	6630.3	6455.7	6281.0
5308.0	25°	5452.7	5597.4	5791.3	5985.4	6140.3	6295.2	6353.1	6410.8	6267.5	6124.6
5053.5	27.5°	5193.2	5332.9	5492.4	5651.5	5775.8	5900.0	5964.4	6029.0	5927.0	5825.2
4829.7	30°	4940.5	5051.8	5184.0	5316.2	5419.3	5522.6	5574.9	5627.3	5549.7	5471.9
4633.6	32.5°	4699.2	4764.8	4870.4	4976.2	5075.0	5174.0	5232.1	5290.5	5219.2	5147.6
4448.5	35°	4466.4	4484.7	4565.2	4645.6	4743.4	4841.4	4911.3	4981.2	4930.3	4879.6
4254.4	37.5°	4234.4	4214.5	4272.3	4330.0	4427.5	4525.3	4611.7	4698.0	4674.5	4651.1
4041.8	40°	3996.6	3951.5	3993.2	4034.8	4129.1	4223.4	4322.7	4422.3	4428.0	4433.5
3816.0	42.5°	3756.1	3696.3	3730.2	3764.4	3853.7	3943.3	4050.5	4157.8	4186.5	4215.2
3591.5	45°	3533.1	3475.0	3503.4	3532.3	3617.2	3702.0	3813.3	3924.5	3965.7	4006.9
3391.1	47.5°	3342.2	3293.3	3320.3	3347.0	3430.0	3512.9	3622.7	3732.4	3779.8	3827.2
3214.7	50°	3171.3	3128.2	3170.1	3212.2	3290.6	3368.7	3467.0	3565.3	3626.1	3687.0
3083.2	52.5°	3040.3	2997.7	3060.8	3123.7	3195.5	3267.1	3358.7	3450.5	3522.6	3594.7
3013.4	55°	2945.5	2877.9	2967.5	3056.8	3134.1	3211.5	3291.8	3371.9	3448.3	3524.9
2971.5	57.5°	2872.7	2773.9	2870.2	2966.5	3057.3	3148.1	3227.5	3307.0	3384.1	3461.0
2932.1	60°	2804.1	2675.8	2760.4	2844.7	2949.0	3053.3	3133.9	3214.7	3292.1	3369.4
2886.1	62.5°	2726.0	2566.0	2619.7	2673.3	2794.8	2916.6	3002.7	3088.7	3159.6	3230.5
2789.3	65°	2619.2	2448.8	2469.5	2490.0	2620.2	2750.7	2833.0	2915.3	2977.7	3040.1
2616.7	67.5°	2475.0	2333.3	2326.8	2320.3	2440.6	2561.1	2639.1	2717.0	2770.9	2824.8
2397.6	70°	2296.8	2196.0	2173.6	2151.1	2256.9	2362.7	2430.1	2497.4	2546.1	2594.7
2153.6	72.5°	2084.5	2015.4	1982.5	1949.8	2033.1	2116.2	2177.1	2238.0	2285.6	2333.3
1876.7	75°	1823.6	1770.2	1738.7	1707.0	1768.9	1830.8	1885.9	1941.1	1984.5	2027.9
1599.3	77.5°	1556.6	1513.9	1482.0	1450.1	1500.5	1550.6	1598.0	1645.4	1691.1	1736.5
1282.9	80°	1247.2	1211.3	1184.6	1157.7	1199.6	1241.2	1281.2	1321.1	1355.8	1390.2
943.6	82.5°	926.1	908.7	889.7	870.7	867.2	863.7	849.8	835.8	909.7	983.5
621.2	85°	602.5	583.8	562.6	541.4	523.4	505.2	466.6	427.9	497.0	566.4
274.4	87.5°	267.0	259.5	255.5	251.5	250.7	250.0	220.6	190.9	219.8	249.0
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°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
6019.0	2.5°	5995.3	5976.9	5958.4	5941.5	5924.2	5903.0	5924.2	5941.5	5958.4	5976.9
5663.3	5°	5630.6	5607.4	5584.2	5566.5	5548.8	5531.3	5548.8	5566.5	5584.2	5607.4
5450.0	7.5°	5411.0	5384.3	5357.9	5341.9	5326.2	5314.2	5326.2	5341.9	5357.9	5384.3
5388.6	10°	5344.7	5319.5	5294.3	5280.8	5267.3	5261.8	5267.3	5280.8	5294.3	5319.5
5498.9	12.5°	5442.7	5414.5	5386.6	5375.1	5363.6	5361.6	5363.6	5375.1	5386.6	5414.5
5730.9	15°	5645.6	5606.4	5567.5	5552.5	5537.5	5536.3	5537.5	5552.5	5567.5	5606.4
5966.4	17.5°	5840.7	5782.8	5724.6	5705.7	5686.5	5683.5	5686.5	5705.7	5724.6	5782.8
6113.1	20°	5959.2	5885.1	5810.7	5787.0	5763.3	5755.8	5763.3	5787.0	5810.7	5885.1
6122.3	22.5°	5963.4	5885.3	5807.0	5780.8	5754.6	5743.4	5754.6	5780.8	5807.0	5885.3
5983.4	25°	5842.7	5774.8	5707.2	5682.5	5658.0	5643.6	5658.0	5682.5	5707.2	5774.8
5715.7	27.5°	5606.1	5560.7	5515.1	5503.8	5492.6	5488.9	5492.6	5503.8	5515.1	5560.7
5393.6	30°	5314.7	5291.5	5268.1	5268.1	5268.1	5271.8	5268.1	5268.1	5268.1	5291.5
5084.9	32.5°	5022.3	5007.1	4991.9	4993.9	4996.1	4999.9	4996.1	4993.9	4991.9	5007.1
4821.7	35°	4764.1	4740.9	4717.9	4712.9	4708.0	4705.5	4708.0	4712.9	4717.9	4740.9
4597.9	37.5°	4544.5	4502.4	4460.5	4438.3	4416.0	4403.6	4416.0	4438.3	4460.5	4502.4
4388.4	40°	4343.2	4281.8	4220.9	4179.5	4138.6	4114.2	4138.6	4179.5	4220.9	4281.8
4177.0	42.5°	4139.1	4063.0	3986.9	3926.8	3866.7	3827.2	3866.7	3926.8	3986.9	4063.0
3972.4	45°	3938.3	3851.2	3764.4	3693.8	3623.2	3577.7	3623.2	3693.8	3764.4	3851.2
3803.3	47.5°	3779.3	3702.0	3624.7	3559.3	3494.2	3450.5	3494.2	3559.3	3624.7	3702.0
3685.5	50°	3684.5	3622.7	3560.8	3500.4	3440.0	3398.1	3440.0	3500.4	3560.8	3622.7
3607.7	52.5°	3620.7	3570.3	3519.9	3465.7	3411.8	3373.2	3411.8	3465.7	3519.9	3570.3
3542.8	55°	3560.8	3516.9	3473.0	3425.6	3378.2	3343.2	3378.2	3425.6	3473.0	3516.9
3479.2	57.5°	3497.4	3453.0	3408.6	3361.7	3314.5	3278.4	3314.5	3361.7	3408.6	3453.0
3389.4	60°	3409.3	3365.9	3322.8	3274.4	3226.0	3188.5	3226.0	3274.4	3322.8	3365.9
3249.7	62.5°	3268.9	3229.7	3190.5	3139.6	3088.7	3043.8	3088.7	3139.6	3190.5	3229.7
3059.8	65°	3079.3	3041.6	3003.9	2954.5	2905.4	2866.7	2905.4	2954.5	3003.9	3041.6
2844.0	67.5°	2862.9	2828.3	2793.8	2747.9	2702.0	2667.1	2702.0	2747.9	2793.8	2828.3
2613.2	70°	2631.7	2603.5	2575.3	2531.4	2487.5	2447.5	2487.5	2531.4	2575.3	2603.5
2355.2	72.5°	2377.2	2353.7	2330.3	2288.4	2246.7	2208.0	2246.7	2288.4	2330.3	2353.7
2050.8	75°	2073.8	2062.3	2050.8	2015.7	1980.5	1943.6	1980.5	2015.7	2050.8	2062.3
1757.9	77.5°	1779.4	1763.4	1747.0	1711.5	1676.1	1646.7	1676.1	1711.5	1747.0	1763.4
1418.6	80°	1447.1	1440.1	1433.3	1385.7	1337.8	1282.4	1337.8	1385.7	1433.3	1440.1
1031.9	82.5°	1080.3	1077.3	1074.1	1033.9	993.5	958.1	993.5	1033.9	1074.1	1077.3
626.2	85°	686.1	681.1	676.1	644.7	613.3	581.3	613.3	644.7	676.1	681.1
273.2	87.5°	297.4	291.4	284.9	269.0	252.5	237.0	252.5	269.0	284.9	291.4
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°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
5995.3	2.5°	6019.0	6042.8	6072.2	6101.4	6139.1	6177.0	6214.7	6252.3	6295.2	6338.4
5630.6	5°	5663.3	5696.0	5742.9	5789.5	5850.4	5911.0	5977.9	6044.7	6120.3	6196.2
5411.0	7.5°	5450.0	5488.9	5544.3	5599.9	5674.0	5748.3	5832.7	5916.8	6016.6	6116.4
5344.7	10°	5388.6	5432.0	5498.6	5565.0	5648.5	5732.1	5822.9	5913.5	6013.3	6113.1
5442.7	12.5°	5498.9	5555.0	5639.8	5724.6	5811.0	5897.5	5968.4	6039.8	6105.6	6172.0
5645.6	15°	5730.9	5816.2	5937.0	6057.7	6132.8	6207.9	6226.4	6244.8	6235.9	6226.9
5840.7	17.5°	5966.4	6092.2	6252.1	6412.0	6472.4	6533.0	6475.4	6417.5	6308.7	6199.9
5959.2	20°	6113.1	6267.3	6449.9	6632.8	6661.0	6688.9	6567.9	6446.9	6257.8	6068.9
5963.4	22.5°	6122.3	6281.0	6455.7	6630.3	6613.6	6596.6	6439.2	6281.8	6065.7	5850.1
5842.7	25°	5983.4	6124.6	6267.5	6410.8	6353.1	6295.2	6140.3	5985.4	5791.3	5597.4
5606.1	27.5°	5715.7	5825.2	5927.0	6029.0	5964.4	5900.0	5775.8	5651.5	5492.4	5332.9
5314.7	30°	5393.6	5471.9	5549.7	5627.3	5574.9	5522.6	5419.3	5316.2	5184.0	5051.8
5022.3	32.5°	5084.9	5147.6	5219.2	5290.5	5232.1	5174.0	5075.0	4976.2	4870.4	4764.8
4764.1	35°	4821.7	4879.6	4930.3	4981.2	4911.3	4841.4	4743.4	4645.6	4565.2	4484.7
4544.5	37.5°	4597.9	4651.1	4674.5	4698.0	4611.7	4525.3	4427.5	4330.0	4272.3	4214.5
4343.2	40°	4388.4	4433.5	4428.0	4422.3	4322.7	4223.4	4129.1	4034.8	3993.2	3951.5
4139.1	42.5°	4177.0	4215.2	4186.5	4157.8	4050.5	3943.3	3853.7	3764.4	3730.2	3696.3
3938.3	45°	3972.4	4006.9	3965.7	3924.5	3813.3	3702.0	3617.2	3532.3	3503.4	3475.0
3779.3	47.5°	3803.3	3827.2	3779.8	3732.4	3622.7	3512.9	3430.0	3347.0	3320.3	3293.3
3684.5	50°	3685.5	3687.0	3626.1	3565.3	3467.0	3368.7	3290.6	3212.2	3170.1	3128.2
3620.7	52.5°	3607.7	3594.7	3522.6	3450.5	3358.7	3267.1	3195.5	3123.7	3060.8	2997.7
3560.8	55°	3542.8	3524.9	3448.3	3371.9	3291.8	3211.5	3134.1	3056.8	2967.5	2877.9
3497.4	57.5°	3479.2	3461.0	3384.1	3307.0	3227.5	3148.1	3057.3	2966.5	2870.2	2773.9
3409.3	60°	3389.4	3369.4	3292.1	3214.7	3133.9	3053.3	2949.0	2844.7	2760.4	2675.8
3268.9	62.5°	3249.7	3230.5	3159.6	3088.7	3002.7	2916.6	2794.8	2673.3	2619.7	2566.0
3079.3	65°	3059.8	3040.1	2977.7	2915.3	2833.0	2750.7	2620.2	2490.0	2469.5	2448.8
2862.9	67.5°	2844.0	2824.8	2770.9	2717.0	2639.1	2561.1	2440.6	2320.3	2326.8	2333.3
2631.7	70°	2613.2	2594.7	2546.1	2497.4	2430.1	2362.7	2256.9	2151.1	2173.6	2196.0
2377.2	72.5°	2355.2	2333.3	2285.6	2238.0	2177.1	2116.2	2033.1	1949.8	1982.5	2015.4
2073.8	75°	2050.8	2027.9	1984.5	1941.1	1885.9	1830.8	1768.9	1707.0	1738.7	1770.2
1779.4	77.5°	1757.9	1736.5	1691.1	1645.4	1598.0	1550.6	1500.5	1450.1	1482.0	1513.9
1447.1	80°	1418.6	1390.2	1355.8	1321.1	1281.2	1241.2	1199.6	1157.7	1184.6	1211.3
1080.3	82.5°	1031.9	983.5	909.7	835.8	849.8	863.7	867.2	870.7	889.7	908.7
686.1	85°	626.2	566.4	497.0	427.9	466.6	505.2	523.4	541.4	562.6	583.8
297.4	87.5°	273.2	249.0	219.8	190.9	220.6	250.0	250.7	251.5	255.5	259.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
6386.1	2.5°	6434.0	6493.1	6546.2	6601.1	6656.0	6713.4	6770.8	6827.7	6884.8	6938.4
6286.8	5°	6377.1	6480.6	6585.4	6696.4	6807.5	6926.2	7045.2	7163.2	7281.5	7400.0
6236.4	7.5°	6356.6	6490.6	6633.6	6788.5	6943.4	7119.3	7295.2	7475.8	7656.5	7851.8
6239.9	10°	6366.6	6510.6	6686.9	6870.6	7053.7	7267.5	7481.1	7719.6	7958.4	8205.6
6275.3	12.5°	6379.1	6513.0	6698.4	6905.8	7113.1	7365.1	7617.1	7887.5	8158.0	8429.4
6276.3	15°	6325.9	6433.2	6638.5	6878.6	7118.6	7408.7	7698.9	7992.3	8285.7	8568.9
6182.0	17.5°	6163.8	6229.9	6471.4	6760.0	7048.7	7385.5	7722.3	8042.4	8362.5	8649.7
5984.1	20°	5899.3	5916.8	6197.9	6555.7	6913.5	7321.7	7729.8	8081.6	8433.4	8732.0
5724.6	22.5°	5599.1	5565.0	5885.1	6315.9	6746.8	7243.3	7739.8	8134.5	8529.0	8834.1
5452.7	25°	5308.0	5215.7	5543.8	6048.2	6553.0	7166.0	7779.2	8230.3	8681.2	8979.8
5193.2	27.5°	5053.5	4941.2	5239.9	5803.5	6367.1	7114.3	7861.6	8380.0	8898.2	9183.4
4940.5	30°	4829.7	4741.6	4992.4	5598.9	6205.4	7090.1	7974.3	8573.9	9173.4	9448.6
4699.2	32.5°	4633.6	4594.4	4796.5	5422.5	6048.2	7060.2	8071.6	8776.2	9480.8	9753.2
4466.4	35°	4448.5	4464.7	4633.1	5249.1	5865.1	7003.8	8143.0	9006.7	9870.5	10131.7
4234.4	37.5°	4254.4	4313.8	4461.0	5045.0	5629.1	6907.2	8185.4	9265.0	10344.5	10677.4
3996.6	40°	4041.8	4132.9	4266.4	4801.5	5336.7	6774.3	8212.1	9592.8	10973.3	11458.3
3756.1	42.5°	3816.0	3930.8	4053.8	4532.8	5011.8	6637.0	8262.8	10021.7	11780.6	12480.7
3533.1	45°	3591.5	3702.5	3827.2	4247.4	4667.5	6509.6	8351.8	10586.0	12820.3	13764.6
3342.2	47.5°	3391.1	3486.7	3647.6	4021.6	4395.6	6404.3	8412.9	11187.3	13961.7	15291.0
3171.3	50°	3214.7	3325.8	3537.3	3871.7	4206.0	6289.5	8373.0	11745.2	15117.4	17121.3
3040.3	52.5°	3083.2	3238.4	3481.7	3772.9	4064.3	6095.6	8127.3	12107.5	16087.4	19043.9
2945.5	55°	3013.4	3247.2	3473.5	3701.2	3929.0	5774.3	7619.6	12027.6	16435.4	20748.4
2872.7	57.5°	2971.5	3255.9	3455.5	3616.4	3777.3	5321.2	6864.8	11465.8	16066.9	21956.5
2804.1	60°	2932.1	3228.5	3360.2	3486.7	3613.2	4732.9	5852.6	10420.1	14987.6	22258.4
2726.0	62.5°	2886.1	3161.1	3177.3	3261.1	3345.2	4028.8	4712.4	9006.2	13300.0	20987.2
2619.2	65°	2789.3	2998.9	2996.9	3036.6	3076.3	3395.4	3714.5	7563.7	11413.1	19188.6
2475.0	67.5°	2616.7	2734.5	2739.9	2718.0	2695.8	2786.6	2877.2	6150.5	9423.9	17048.2
2296.8	70°	2397.6	2436.3	2436.3	2333.8	2231.0	2205.3	2179.3	4842.7	7506.0	14712.7
2084.5	72.5°	2153.6	2153.1	2128.7	1983.2	1837.5	1759.2	1681.1	3702.2	5723.4	12180.8
1823.6	75°	1876.7	1886.2	1773.4	1610.2	1447.1	1376.2	1305.4	2687.1	4068.8	9278.4
1556.6	77.5°	1599.3	1604.2	1418.4	1259.9	1101.5	1053.1	1005.0	1820.8	2636.7	6494.1
1247.2	80°	1282.9	1283.6	1061.6	927.6	793.4	773.4	753.5	1173.1	1593.0	4184.0
926.1	82.5°	943.6	933.1	743.5	644.7	545.9	541.9	538.4	721.5	905.2	2421.6
602.5	85°	621.2	607.5	466.6	394.2	321.8	323.8	325.6	385.7	446.1	1089.3
267.0	87.5°	274.4	257.0	198.3	168.7	139.2	141.0	142.7	159.9	177.1	356.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
6992.1	2.5°	7018.5	7045.2	7082.9	7120.6	7143.0	7165.5	7176.7	7187.9	7182.9	7187.9
7518.5	5°	7611.1	7703.9	7795.7	7887.8	7937.7	7987.6	8017.7	8048.2	8071.1	8048.2
8047.4	7.5°	8198.1	8348.6	8484.1	8619.5	8701.1	8782.7	8826.9	8870.8	8892.0	8870.8
8452.9	10°	8631.0	8809.1	8968.1	9127.0	9223.3	9319.1	9362.0	9404.7	9420.9	9404.7
8701.1	12.5°	8894.2	9087.1	9230.8	9374.0	9443.9	9513.7	9537.2	9560.6	9563.1	9560.6
8852.1	15°	9018.7	9185.1	9275.2	9365.5	9368.0	9370.5	9345.6	9320.6	9291.2	9320.6
8936.9	17.5°	9049.4	9161.9	9163.7	9165.2	9064.1	8963.1	8870.5	8777.7	8712.3	8777.7
9030.4	20°	9069.6	9109.0	8990.5	8872.0	8649.0	8425.9	8263.5	8101.1	8001.3	8101.1
9139.0	22.5°	9087.6	9036.2	8790.7	8545.2	8217.1	7889.0	7685.9	7482.8	7372.6	7482.8
9278.7	25°	9116.5	8954.3	8581.6	8208.9	7810.4	7412.0	7198.4	6985.3	6881.1	6985.3
9468.3	27.5°	9178.4	8888.2	8394.5	7901.0	7459.4	7017.8	6807.7	6597.9	6499.3	6597.9
9724.0	30°	9291.7	8859.5	8251.8	7644.0	7183.9	6723.9	6529.0	6334.2	6242.3	6334.2
10025.9	32.5°	9433.9	8842.1	8154.5	7466.9	7034.5	6602.1	6449.2	6296.0	6229.9	6296.0
10392.7	35°	9668.2	8943.9	8227.3	7511.0	7210.6	6910.5	6874.8	6839.1	6833.6	6839.1
11010.2	37.5°	10157.9	9305.6	8654.5	8003.3	7983.8	7964.4	8127.5	8290.7	8375.5	8290.7
11943.3	40°	11016.4	10089.5	9605.3	9121.0	9462.8	9804.6	10201.3	10598.0	10795.6	10598.0
13180.8	42.5°	12261.1	11341.5	11062.6	10783.6	11529.1	12274.6	12996.2	13717.7	14141.3	13717.7
14708.9	45°	13882.9	13056.5	12933.5	12810.3	14004.6	15199.2	16384.8	17570.6	18290.4	17570.6
16620.1	47.5°	15816.4	15012.6	14987.6	14962.7	16685.7	18408.2	20143.9	21879.4	22898.6	21879.4
19125.0	50°	18132.2	17139.8	17144.0	17148.2	19368.7	21589.2	23880.3	26171.4	27556.6	26171.4
22000.4	52.5°	20798.3	19596.5	19475.0	19353.3	22005.6	24658.0	27492.8	30327.3	31987.7	30327.3
25061.7	55°	23874.1	22686.5	22212.7	21738.9	24690.9	27642.7	31022.1	34401.5	36376.3	34401.5
27846.1	57.5°	27199.4	26552.4	25602.1	24652.0	27632.7	30613.4	34441.2	38268.7	40717.5	38268.7
29528.9	60°	30533.4	31538.1	30358.0	29177.9	31998.6	34819.4	38917.6	43015.8	45662.4	43015.8
28674.4	62.5°	31419.1	34163.7	34030.8	33897.5	36481.5	39065.8	42964.9	46863.7	49310.0	46863.7
26964.1	65°	29540.1	32116.1	32625.9	33135.3	36419.2	39703.3	43484.1	47264.7	49347.5	47264.7
24672.5	67.5°	27122.5	29572.6	29811.6	30050.3	33471.9	36893.2	40690.3	44487.3	46119.0	44487.3
21919.3	70°	24584.2	27249.3	27356.0	27463.1	30522.9	33582.4	36850.0	40117.4	41024.3	40117.4
18638.5	72.5°	21696.5	24754.8	24831.7	24908.3	27302.2	29696.1	32143.3	34590.4	34682.2	34590.4
14488.1	75°	17653.2	20818.3	21102.5	21386.6	23249.1	25111.6	26834.4	28557.1	28095.5	28557.1
10351.5	77.5°	13306.0	16260.8	16667.5	17074.1	18490.0	19905.9	21127.7	22349.7	21556.3	22349.7
6775.0	80°	9260.7	11746.2	12251.7	12757.1	13826.5	14895.3	15537.0	16178.5	14902.3	16178.5
3938.3	82.5°	5637.6	7337.1	7901.7	8466.6	9202.6	9938.6	10206.3	10473.8	9470.8	10473.8
1732.7	85°	2634.7	3536.6	4016.9	4497.1	5101.9	5706.4	5858.4	6010.3	5206.9	6010.3
536.4	87.5°	839.5	1142.7	1410.6	1678.6	1981.0	2283.4	2296.3	2309.1	1938.6	2309.1
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°
6501.8	0°	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8	6501.8
7176.7	2.5°	7165.5	7143.0	7120.6	7082.9	7045.2	7018.5	6992.1
8017.7	5°	7987.6	7937.7	7887.8	7795.7	7703.9	7611.1	7518.5
8826.9	7.5°	8782.7	8701.1	8619.5	8484.1	8348.6	8198.1	8047.4
9362.0	10°	9319.1	9223.3	9127.0	8968.1	8809.1	8631.0	8452.9
9537.2	12.5°	9513.7	9443.9	9374.0	9230.8	9087.1	8894.2	8701.1
9345.6	15°	9370.5	9368.0	9365.5	9275.2	9185.1	9018.7	8852.1
8870.5	17.5°	8963.1	9064.1	9165.2	9163.7	9161.9	9049.4	8936.9
8263.5	20°	8425.9	8649.0	8872.0	8990.5	9109.0	9069.6	9030.4
7685.9	22.5°	7889.0	8217.1	8545.2	8790.7	9036.2	9087.6	9139.0
7198.4	25°	7412.0	7810.4	8208.9	8581.6	8954.3	9116.5	9278.7
6807.7	27.5°	7017.8	7459.4	7901.0	8394.5	8888.2	9178.4	9468.3
6529.0	30°	6723.9	7183.9	7644.0	8251.8	8859.5	9291.7	9724.0
6449.2	32.5°	6602.1	7034.5	7466.9	8154.5	8842.1	9433.9	10025.9
6874.8	35°	6910.5	7210.6	7511.0	8227.3	8943.9	9668.2	10392.7
8127.5	37.5°	7964.4	7983.8	8003.3	8654.5	9305.6	10157.9	11010.2
10201.3	40°	9804.6	9462.8	9121.0	9605.3	10089.5	11016.4	11943.3
12996.2	42.5°	12274.6	11529.1	10783.6	11062.6	11341.5	12261.1	13180.8
16384.8	45°	15199.2	14004.6	12810.3	12933.5	13056.5	13882.9	14708.9
20143.9	47.5°	18408.2	16685.7	14962.7	14987.6	15012.6	15816.4	16620.1
23880.3	50°	21589.2	19368.7	17148.2	17144.0	17139.8	18132.2	19125.0
27492.8	52.5°	24658.0	22005.6	19353.3	19475.0	19596.5	20798.3	22000.4
31022.1	55°	27642.7	24690.9	21738.9	22212.7	22686.5	23874.1	25061.7
34441.2	57.5°	30613.4	27632.7	24652.0	25602.1	26552.4	27199.4	27846.1
38917.6	60°	34819.4	31998.6	29177.9	30358.0	31538.1	30533.4	29528.9
42964.9	62.5°	39065.8	36481.5	33897.5	34030.8	34163.7	31419.1	28674.4
43484.1	65°	39703.3	36419.2	33135.3	32625.9	32116.1	29540.1	26964.1
40690.3	67.5°	36893.2	33471.9	30050.3	29811.6	29572.6	27122.5	24672.5
36850.0	70°	33582.4	30522.9	27463.1	27356.0	27249.3	24584.2	21919.3
32143.3	72.5°	29696.1	27302.2	24908.3	24831.7	24754.8	21696.5	18638.5
26834.4	75°	25111.6	23249.1	21386.6	21102.5	20818.3	17653.2	14488.1
21127.7	77.5°	19905.9	18490.0	17074.1	16667.5	16260.8	13306.0	10351.5
15537.0	80°	14895.3	13826.5	12757.1	12251.7	11746.2	9260.7	6775.0
10206.3	82.5°	9938.6	9202.6	8466.6	7901.7	7337.1	5637.6	3938.3
5858.4	85°	5706.4	5101.9	4497.1	4016.9	3536.6	2634.7	1732.7
2296.3	87.5°	2283.4	1981.0	1678.6	1410.6	1142.7	839.5	536.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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