

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: P954271

Luminaire Tested: **GALN-SB7C-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954271
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-SB7C-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 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: 46147 lumens
Efficiency: N/A
Efficacy: 131.7 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

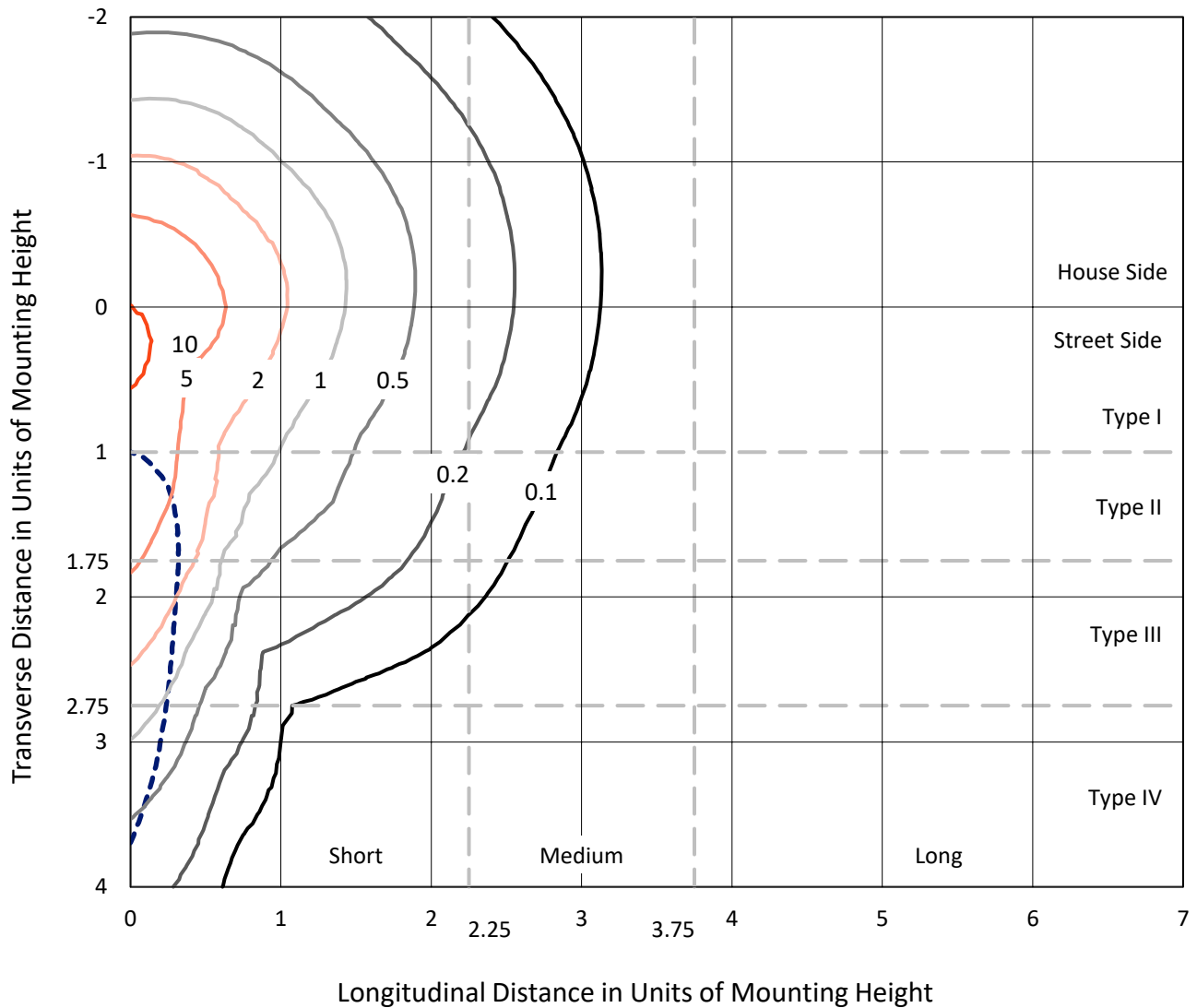
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

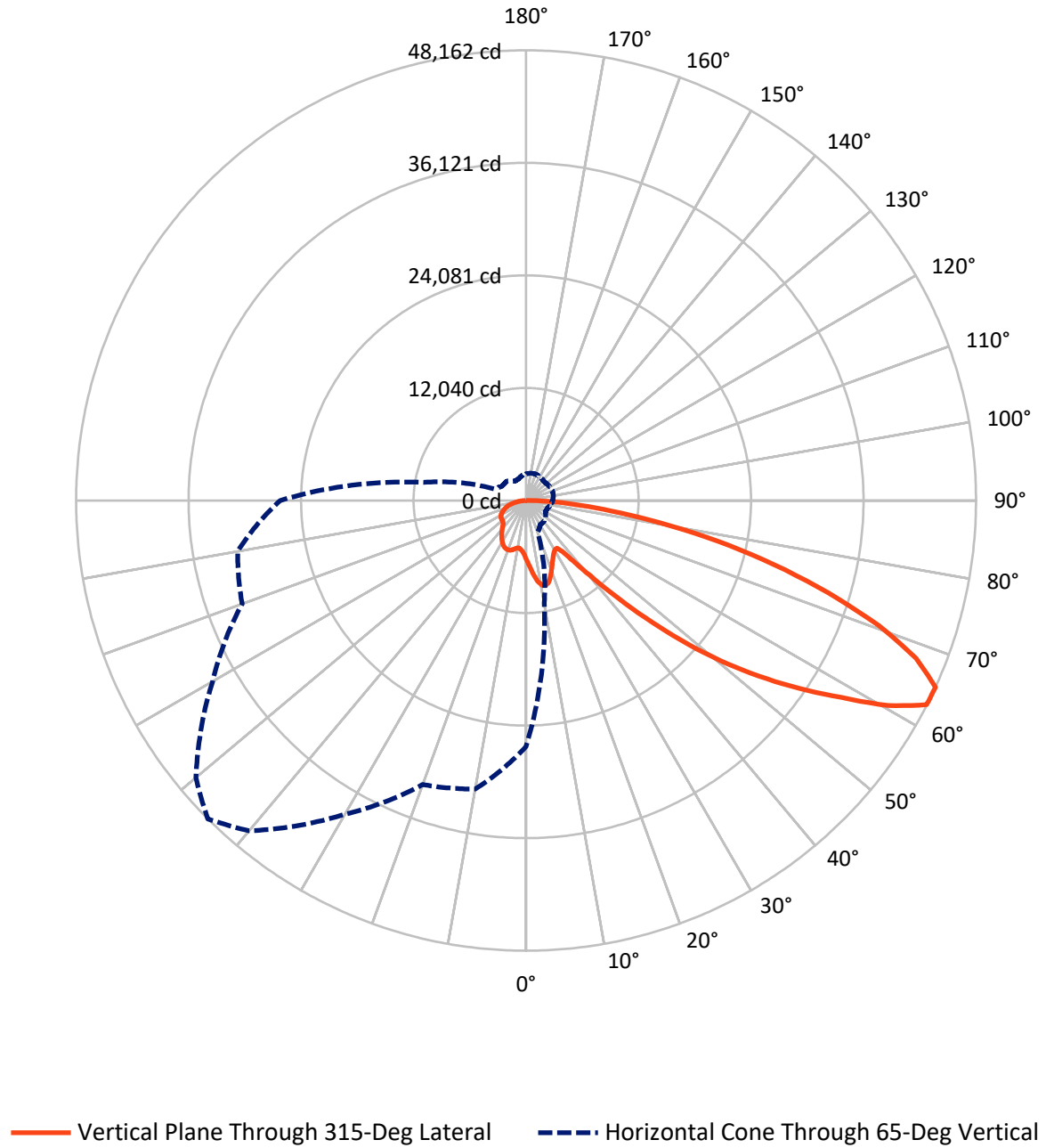
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	11728.2	0.0	11728.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	34418.7	0.0	34418.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	46147.0	0.0	46147.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.5	1.4
10°-20°	1976.1	4.3
20°-30°	3052.3	6.6
30°-40°	3868.1	8.4
40°-50°	5834.0	12.6
50°-60°	9425.8	20.4
60°-70°	11750.7	25.5
70°-80°	7705.5	16.7
80°-90°	1905.0	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°	46147.0	100.0
0°-180°	46147.0	100.0



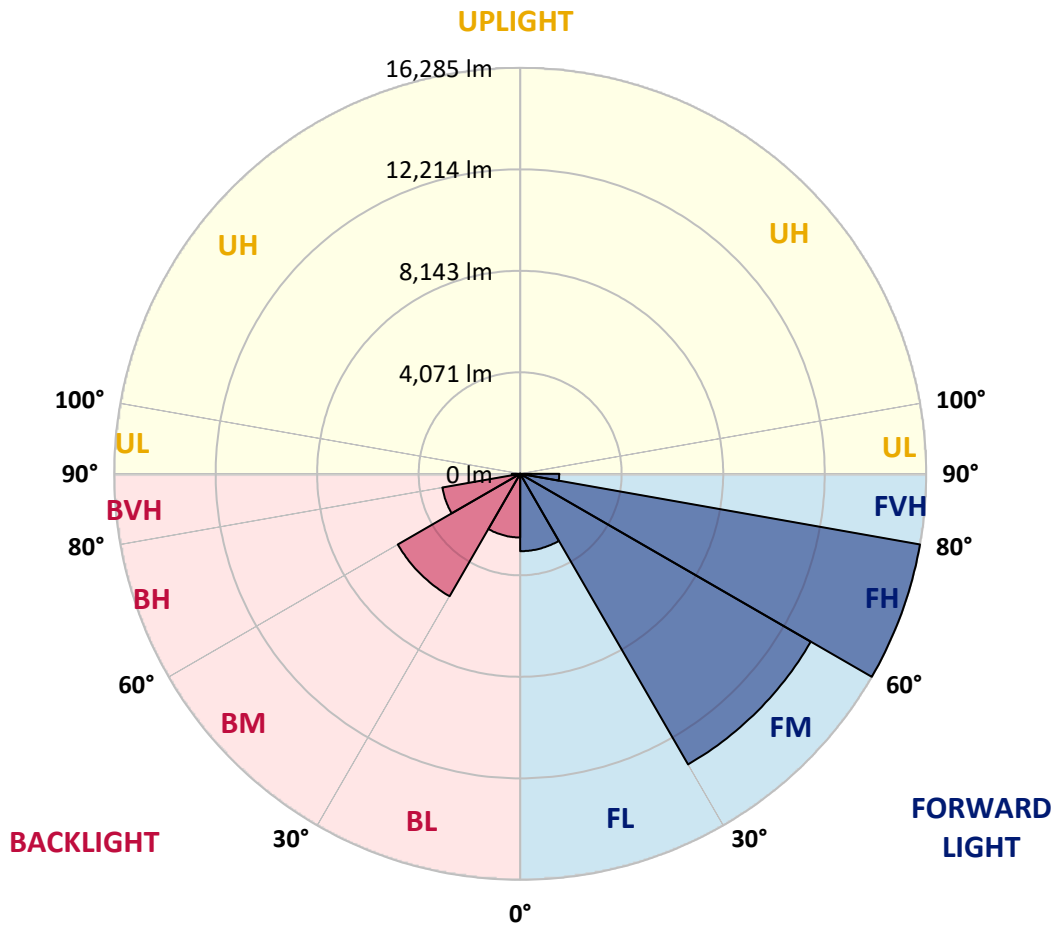
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3103.9	6.7			
FM (30°-60°)	13460.1	29.2			
FH (60°-80°)	16285.5	35.3			G5
FVH (80°-90°)	1569.3	3.4			G5
BL (0°-30°)	2554.0	5.5	B4/5000		
BM (30°-60°)	5667.8	12.3	B4/8500		
BH (60°-80°)	3170.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	335.7	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°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
2.5°	6824.1	6771.7	6719.4	6663.6	6608.1	6552.1	6496.1	6442.5	6389.0	6337.1
5°	7337.9	7222.2	7106.5	6991.1	6876.0	6759.8	6643.9	6535.5	6427.2	6324.9
7.5°	7854.1	7663.2	7472.5	7296.2	7119.9	6948.3	6776.6	6625.4	6474.2	6334.7
10°	8249.8	8008.5	7767.2	7534.1	7301.3	7092.9	6884.2	6705.5	6526.3	6354.1
12.5°	8492.1	8226.9	7962.0	7698.0	7434.1	7188.1	6942.2	6739.8	6537.5	6356.6
15°	8639.4	8363.0	8086.6	7800.3	7513.9	7230.7	6947.5	6713.3	6479.0	6278.6
17.5°	8722.2	8441.9	8161.6	7849.2	7536.8	7208.1	6879.4	6597.6	6315.9	6080.2
20°	8813.5	8522.3	8230.8	7887.5	7544.1	7145.8	6747.4	6398.2	6049.0	5774.6
22.5°	8919.4	8621.8	8324.0	7939.1	7553.9	7069.3	6584.7	6164.2	5743.7	5431.3
25°	9055.8	8764.1	8472.6	8032.6	7592.3	6993.8	6395.5	5902.9	5410.6	5090.4
27.5°	9240.8	8962.7	8684.4	8178.7	7672.7	6943.4	6214.1	5664.1	5114.0	4822.5
30°	9490.4	9221.6	8953.0	8367.9	7782.7	6919.8	6056.3	5464.4	4872.4	4627.7
32.5°	9785.0	9518.9	9253.0	8565.4	7877.7	6890.6	5902.9	5292.2	4681.3	4484.1
35°	10143.0	9888.3	9633.3	8790.3	7947.4	6835.5	5724.2	5123.0	4521.8	4357.4
37.5°	10745.7	10420.8	10096.0	9042.4	7988.7	6741.3	5493.8	4923.8	4353.8	4210.1
40°	11656.3	11183.0	10709.6	9362.3	8014.8	6611.5	5208.5	4686.2	4163.8	4033.6
42.5°	12864.1	12180.8	11497.6	9780.9	8064.2	6477.6	4891.4	4423.9	3956.4	3836.3
45°	14355.5	13433.9	12512.2	10331.7	8151.2	6353.2	4555.4	4145.3	3735.3	3613.5
47.5°	16220.8	14923.6	13626.3	10918.5	8210.8	6250.4	4290.0	3925.0	3560.0	3402.9
50°	18665.5	16709.9	14754.2	11463.0	8171.9	6138.4	4104.9	3778.6	3452.3	3245.9
52.5°	21471.8	18586.4	15700.9	11816.6	7932.0	5949.2	3966.6	3682.2	3398.0	3160.6
55°	24459.6	20249.9	16040.6	11738.6	7436.5	5635.6	3834.6	3612.3	3390.0	3169.2
57.5°	27177.0	21429.0	15680.9	11190.3	6699.9	5193.4	3686.6	3529.5	3372.5	3177.7
60°	28819.4	21723.6	14627.5	10169.8	5712.0	4619.2	3526.4	3402.9	3279.5	3150.9
62.5°	27985.5	20483.0	12980.5	8789.9	4599.2	3932.0	3264.8	3182.8	3101.0	3085.1
65°	26316.3	18727.6	11138.9	7381.9	3625.2	3313.8	3002.4	2963.6	2924.9	2926.9
67.5°	24079.7	16638.6	9197.5	6002.8	2808.0	2719.7	2631.0	2652.7	2674.1	2668.8
70°	21392.7	14359.2	7325.7	4726.3	2127.0	2152.3	2177.4	2277.7	2377.8	2377.8
72.5°	18190.7	11888.2	5585.9	3613.3	1640.7	1716.9	1793.4	1935.6	2077.5	2101.4
75°	14140.0	9055.5	3971.0	2622.5	1274.0	1343.1	1412.3	1571.5	1730.8	1840.9
77.5°	10102.8	6338.1	2573.3	1777.1	980.8	1027.8	1075.1	1229.7	1384.3	1565.7
80°	6612.2	4083.5	1554.7	1144.9	735.4	754.8	774.3	905.3	1036.1	1252.8
82.5°	3843.6	2363.4	883.4	704.2	525.5	528.9	532.8	629.2	725.6	910.7
85°	1691.1	1063.1	435.4	376.5	317.8	316.1	314.1	384.7	455.3	592.9
87.5°	523.5	348.2	172.9	156.1	139.3	137.6	135.9	164.6	193.6	250.8
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°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
6279.4	2.5°	6232.6	6186.1	6144.0	6102.1	6065.3	6028.6	5991.6	5954.8	5926.3	5897.6
6223.9	5°	6135.7	6047.3	5973.3	5899.5	5834.3	5769.0	5709.8	5650.4	5604.9	5559.1
6203.9	7.5°	6086.5	5969.4	5872.0	5774.6	5692.5	5610.2	5537.7	5465.4	5411.1	5357.0
6213.6	10°	6089.9	5966.2	5868.8	5771.4	5683.0	5594.4	5512.8	5431.3	5366.5	5301.5
6225.8	12.5°	6124.5	6023.7	5958.9	5894.6	5825.0	5755.9	5671.4	5587.1	5504.3	5421.5
6173.9	15°	6125.5	6077.3	6086.0	6094.8	6076.8	6058.8	5985.5	5912.2	5794.3	5676.5
6015.7	17.5°	6033.4	6051.0	6157.1	6263.3	6319.8	6376.0	6316.9	6257.9	6101.9	5945.8
5757.6	20°	5840.3	5923.1	6107.5	6292.0	6410.1	6528.2	6501.0	6473.4	6295.0	6116.7
5464.6	22.5°	5587.1	5709.6	5920.0	6130.8	6284.5	6438.1	6454.7	6471.0	6300.6	6130.1
5180.5	25°	5321.7	5462.9	5652.1	5841.6	5992.8	6144.0	6200.5	6256.7	6117.0	5977.4
4932.1	27.5°	5068.5	5204.8	5360.4	5515.8	5637.0	5758.3	5821.1	5884.2	5784.6	5685.2
4713.7	30°	4821.8	4930.4	5059.4	5188.5	5289.1	5389.9	5441.0	5492.1	5416.4	5340.4
4522.3	32.5°	4586.3	4650.4	4753.4	4856.6	4953.0	5049.7	5106.4	5163.4	5093.8	5023.9
4341.6	35°	4359.1	4376.9	4455.6	4534.0	4629.4	4725.1	4793.3	4861.5	4811.8	4762.4
4152.2	37.5°	4132.7	4113.2	4169.7	4225.9	4321.2	4416.6	4500.9	4585.1	4562.2	4539.3
3944.7	40°	3900.6	3856.6	3897.2	3937.9	4029.9	4122.0	4218.9	4316.0	4321.6	4327.0
3724.3	42.5°	3665.9	3607.5	3640.6	3673.9	3761.1	3848.5	3953.2	4057.9	4085.9	4113.9
3505.2	45°	3448.2	3391.5	3419.2	3447.5	3530.3	3613.1	3721.7	3830.3	3870.4	3910.6
3309.7	47.5°	3261.9	3214.2	3240.5	3266.6	3347.6	3428.5	3535.6	3642.8	3689.0	3735.3
3137.5	50°	3095.1	3053.0	3093.9	3135.1	3211.5	3287.7	3383.7	3479.6	3539.0	3598.4
3009.2	52.5°	2967.3	2925.7	2987.3	3048.6	3118.7	3188.6	3278.0	3367.6	3438.0	3508.3
2941.0	55°	2874.8	2808.8	2896.2	2983.4	3058.8	3134.3	3212.7	3290.9	3365.4	3440.2
2900.1	57.5°	2803.7	2707.2	2801.2	2895.2	2983.8	3072.5	3149.9	3227.6	3302.8	3377.8
2861.6	60°	2736.7	2611.5	2694.1	2776.4	2878.2	2980.0	3058.6	3137.5	3213.0	3288.5
2816.8	62.5°	2660.5	2504.4	2556.7	2609.1	2727.7	2846.5	2930.5	3014.5	3083.7	3152.8
2722.3	65°	2556.3	2390.0	2410.2	2430.1	2557.2	2684.6	2764.9	2845.3	2906.2	2967.0
2553.8	67.5°	2415.5	2277.2	2270.9	2264.5	2381.9	2499.5	2575.7	2651.7	2704.3	2756.9
2340.0	70°	2241.7	2143.3	2121.4	2099.5	2202.7	2305.9	2371.7	2437.4	2484.9	2532.4
2101.9	72.5°	2034.4	1967.0	1934.9	1903.0	1984.3	2065.4	2124.8	2184.2	2230.7	2277.2
1831.6	75°	1779.7	1727.6	1697.0	1666.0	1726.4	1786.8	1840.6	1894.4	1936.8	1979.2
1560.8	77.5°	1519.2	1477.6	1446.4	1415.2	1464.4	1513.4	1559.6	1605.9	1650.4	1694.8
1252.1	80°	1217.3	1182.2	1156.1	1129.8	1170.7	1211.4	1250.4	1289.3	1323.2	1356.8
920.9	82.5°	903.9	886.8	868.3	849.8	846.4	843.0	829.4	815.7	887.8	959.9
606.3	85°	588.1	569.8	549.1	528.4	510.9	493.1	455.3	417.6	485.1	552.7
267.8	87.5°	260.5	253.2	249.3	245.4	244.7	244.0	215.3	186.3	214.5	243.0
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°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
5874.4	2.5°	5851.3	5833.3	5815.3	5798.7	5781.9	5761.2	5781.9	5798.7	5815.3	5833.3
5527.2	5°	5495.3	5472.7	5450.0	5432.7	5415.4	5398.4	5415.4	5432.7	5450.0	5472.7
5319.0	7.5°	5281.0	5255.0	5229.2	5213.6	5198.2	5186.5	5198.2	5213.6	5229.2	5255.0
5259.1	10°	5216.3	5191.7	5167.1	5153.9	5140.8	5135.4	5140.8	5153.9	5167.1	5191.7
5366.7	12.5°	5312.0	5284.4	5257.2	5246.0	5234.8	5232.8	5234.8	5246.0	5257.2	5284.4
5593.2	15°	5509.9	5471.7	5433.7	5419.1	5404.5	5403.3	5404.5	5419.1	5433.7	5471.7
5823.1	17.5°	5700.3	5643.8	5587.1	5568.6	5549.9	5546.9	5549.9	5568.6	5587.1	5643.8
5966.2	20°	5816.0	5743.7	5671.1	5648.0	5624.8	5617.5	5624.8	5648.0	5671.1	5743.7
5975.2	22.5°	5820.1	5743.9	5667.5	5641.9	5616.3	5605.4	5616.3	5641.9	5667.5	5743.9
5839.6	25°	5702.3	5636.1	5570.1	5546.0	5522.1	5508.0	5522.1	5546.0	5570.1	5636.1
5578.3	27.5°	5471.4	5427.1	5382.6	5371.6	5360.7	5357.0	5360.7	5371.6	5382.6	5427.1
5264.0	30°	5187.0	5164.4	5141.5	5141.5	5141.5	5145.2	5141.5	5141.5	5141.5	5164.4
4962.8	32.5°	4901.7	4886.8	4871.9	4873.9	4876.1	4879.7	4876.1	4873.9	4871.9	4886.8
4705.9	35°	4649.6	4627.0	4604.6	4599.7	4594.8	4592.4	4594.8	4599.7	4604.6	4627.0
4487.5	37.5°	4435.4	4394.2	4353.3	4331.6	4309.9	4297.8	4309.9	4331.6	4353.3	4394.2
4282.9	40°	4238.8	4178.9	4119.5	4079.1	4039.2	4015.3	4039.2	4079.1	4119.5	4178.9
4076.7	42.5°	4039.7	3965.4	3891.1	3832.4	3773.8	3735.3	3773.8	3832.4	3891.1	3965.4
3877.0	45°	3843.6	3758.7	3673.9	3605.0	3536.1	3491.8	3536.1	3605.0	3673.9	3758.7
3711.9	47.5°	3688.5	3613.1	3537.6	3473.8	3410.2	3367.6	3410.2	3473.8	3537.6	3613.1
3597.0	50°	3596.0	3535.6	3475.2	3416.3	3357.4	3316.5	3357.4	3416.3	3475.2	3535.6
3521.0	52.5°	3533.7	3484.5	3435.3	3382.5	3329.9	3292.1	3329.9	3382.5	3435.3	3484.5
3457.7	55°	3475.2	3432.4	3389.5	3343.3	3297.0	3262.9	3297.0	3343.3	3389.5	3432.4
3395.6	57.5°	3413.4	3370.0	3326.7	3280.9	3234.9	3199.6	3234.9	3280.9	3326.7	3370.0
3307.9	60°	3327.4	3285.1	3242.9	3195.7	3148.5	3111.9	3148.5	3195.7	3242.9	3285.1
3171.6	62.5°	3190.3	3152.1	3113.9	3064.2	3014.5	2970.7	3014.5	3064.2	3113.9	3152.1
2986.3	65°	3005.3	2968.5	2931.7	2883.5	2835.6	2797.8	2835.6	2883.5	2931.7	2968.5
2775.7	67.5°	2794.2	2760.3	2726.7	2681.9	2637.1	2603.0	2637.1	2681.9	2726.7	2760.3
2550.4	70°	2568.4	2540.9	2513.4	2470.6	2427.7	2388.7	2427.7	2470.6	2513.4	2540.9
2298.6	72.5°	2320.1	2297.2	2274.3	2233.4	2192.7	2155.0	2192.7	2233.4	2274.3	2297.2
2001.6	75°	2024.0	2012.8	2001.6	1967.2	1932.9	1896.9	1932.9	1967.2	2001.6	2012.8
1715.7	77.5°	1736.6	1721.1	1705.0	1670.4	1635.8	1607.1	1635.8	1670.4	1705.0	1721.1
1384.5	80°	1412.3	1405.5	1398.9	1352.4	1305.6	1251.6	1305.6	1352.4	1398.9	1405.5
1007.1	82.5°	1054.4	1051.4	1048.3	1009.1	969.6	935.0	969.6	1009.1	1048.3	1051.4
611.2	85°	669.6	664.8	659.9	629.2	598.5	567.4	598.5	629.2	659.9	664.8
266.6	87.5°	290.3	284.4	278.1	262.5	246.4	231.3	246.4	262.5	278.1	284.4
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°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
5851.3	2.5°	5874.4	5897.6	5926.3	5954.8	5991.6	6028.6	6065.3	6102.1	6144.0	6186.1
5495.3	5°	5527.2	5559.1	5604.9	5650.4	5709.8	5769.0	5834.3	5899.5	5973.3	6047.3
5281.0	7.5°	5319.0	5357.0	5411.1	5465.4	5537.7	5610.2	5692.5	5774.6	5872.0	5969.4
5216.3	10°	5259.1	5301.5	5366.5	5431.3	5512.8	5594.4	5683.0	5771.4	5868.8	5966.2
5312.0	12.5°	5366.7	5421.5	5504.3	5587.1	5671.4	5755.9	5825.0	5894.6	5958.9	6023.7
5509.9	15°	5593.2	5676.5	5794.3	5912.2	5985.5	6058.8	6076.8	6094.8	6086.0	6077.3
5700.3	17.5°	5823.1	5945.8	6101.9	6257.9	6316.9	6376.0	6319.8	6263.3	6157.1	6051.0
5816.0	20°	5966.2	6116.7	6295.0	6473.4	6501.0	6528.2	6410.1	6292.0	6107.5	5923.1
5820.1	22.5°	5975.2	6130.1	6300.6	6471.0	6454.7	6438.1	6284.5	6130.8	5920.0	5709.6
5702.3	25°	5839.6	5977.4	6117.0	6256.7	6200.5	6144.0	5992.8	5841.6	5652.1	5462.9
5471.4	27.5°	5578.3	5685.2	5784.6	5884.2	5821.1	5758.3	5637.0	5515.8	5360.4	5204.8
5187.0	30°	5264.0	5340.4	5416.4	5492.1	5441.0	5389.9	5289.1	5188.5	5059.4	4930.4
4901.7	32.5°	4962.8	5023.9	5093.8	5163.4	5106.4	5049.7	4953.0	4856.6	4753.4	4650.4
4649.6	35°	4705.9	4762.4	4811.8	4861.5	4793.3	4725.1	4629.4	4534.0	4455.6	4376.9
4435.4	37.5°	4487.5	4539.3	4562.2	4585.1	4500.9	4416.6	4321.2	4225.9	4169.7	4113.2
4238.8	40°	4282.9	4327.0	4321.6	4316.0	4218.9	4122.0	4029.9	3937.9	3897.2	3856.6
4039.7	42.5°	4076.7	4113.9	4085.9	4057.9	3953.2	3848.5	3761.1	3673.9	3640.6	3607.5
3843.6	45°	3877.0	3910.6	3870.4	3830.3	3721.7	3613.1	3530.3	3447.5	3419.2	3391.5
3688.5	47.5°	3711.9	3735.3	3689.0	3642.8	3535.6	3428.5	3347.6	3266.6	3240.5	3214.2
3596.0	50°	3597.0	3598.4	3539.0	3479.6	3383.7	3287.7	3211.5	3135.1	3093.9	3053.0
3533.7	52.5°	3521.0	3508.3	3438.0	3367.6	3278.0	3188.6	3118.7	3048.6	2987.3	2925.7
3475.2	55°	3457.7	3440.2	3365.4	3290.9	3212.7	3134.3	3058.8	2983.4	2896.2	2808.8
3413.4	57.5°	3395.6	3377.8	3302.8	3227.6	3149.9	3072.5	2983.8	2895.2	2801.2	2707.2
3327.4	60°	3307.9	3288.5	3213.0	3137.5	3058.6	2980.0	2878.2	2776.4	2694.1	2611.5
3190.3	62.5°	3171.6	3152.8	3083.7	3014.5	2930.5	2846.5	2727.7	2609.1	2556.7	2504.4
3005.3	65°	2986.3	2967.0	2906.2	2845.3	2764.9	2684.6	2557.2	2430.1	2410.2	2390.0
2794.2	67.5°	2775.7	2756.9	2704.3	2651.7	2575.7	2499.5	2381.9	2264.5	2270.9	2277.2
2568.4	70°	2550.4	2532.4	2484.9	2437.4	2371.7	2305.9	2202.7	2099.5	2121.4	2143.3
2320.1	72.5°	2298.6	2277.2	2230.7	2184.2	2124.8	2065.4	1984.3	1903.0	1934.9	1967.0
2024.0	75°	2001.6	1979.2	1936.8	1894.4	1840.6	1786.8	1726.4	1666.0	1697.0	1727.6
1736.6	77.5°	1715.7	1694.8	1650.4	1605.9	1559.6	1513.4	1464.4	1415.2	1446.4	1477.6
1412.3	80°	1384.5	1356.8	1323.2	1289.3	1250.4	1211.4	1170.7	1129.8	1156.1	1182.2
1054.4	82.5°	1007.1	959.9	887.8	815.7	829.4	843.0	846.4	849.8	868.3	886.8
669.6	85°	611.2	552.7	485.1	417.6	455.3	493.1	510.9	528.4	549.1	569.8
290.3	87.5°	266.6	243.0	214.5	186.3	215.3	244.0	244.7	245.4	249.3	253.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
6232.6	2.5°	6279.4	6337.1	6389.0	6442.5	6496.1	6552.1	6608.1	6663.6	6719.4	6771.7
6135.7	5°	6223.9	6324.9	6427.2	6535.5	6643.9	6759.8	6876.0	6991.1	7106.5	7222.2
6086.5	7.5°	6203.9	6334.7	6474.2	6625.4	6776.6	6948.3	7119.9	7296.2	7472.5	7663.2
6089.9	10°	6213.6	6354.1	6526.3	6705.5	6884.2	7092.9	7301.3	7534.1	7767.2	8008.5
6124.5	12.5°	6225.8	6356.6	6537.5	6739.8	6942.2	7188.1	7434.1	7698.0	7962.0	8226.9
6125.5	15°	6173.9	6278.6	6479.0	6713.3	6947.5	7230.7	7513.9	7800.3	8086.6	8363.0
6033.4	17.5°	6015.7	6080.2	6315.9	6597.6	6879.4	7208.1	7536.8	7849.2	8161.6	8441.9
5840.3	20°	5757.6	5774.6	6049.0	6398.2	6747.4	7145.8	7544.1	7887.5	8230.8	8522.3
5587.1	22.5°	5464.6	5431.3	5743.7	6164.2	6584.7	7069.3	7553.9	7939.1	8324.0	8621.8
5321.7	25°	5180.5	5090.4	5410.6	5902.9	6395.5	6993.8	7592.3	8032.6	8472.6	8764.1
5068.5	27.5°	4932.1	4822.5	5114.0	5664.1	6214.1	6943.4	7672.7	8178.7	8684.4	8962.7
4821.8	30°	4713.7	4627.7	4872.4	5464.4	6056.3	6919.8	7782.7	8367.9	8953.0	9221.6
4586.3	32.5°	4522.3	4484.1	4681.3	5292.2	5902.9	6890.6	7877.7	8565.4	9253.0	9518.9
4359.1	35°	4341.6	4357.4	4521.8	5123.0	5724.2	6835.5	7947.4	8790.3	9633.3	9888.3
4132.7	37.5°	4152.2	4210.1	4353.8	4923.8	5493.8	6741.3	7988.7	9042.4	10096.0	10420.8
3900.6	40°	3944.7	4033.6	4163.8	4686.2	5208.5	6611.5	8014.8	9362.3	10709.6	11183.0
3665.9	42.5°	3724.3	3836.3	3956.4	4423.9	4891.4	6477.6	8064.2	9780.9	11497.6	12180.8
3448.2	45°	3505.2	3613.5	3735.3	4145.3	4555.4	6353.2	8151.2	10331.7	12512.2	13433.9
3261.9	47.5°	3309.7	3402.9	3560.0	3925.0	4290.0	6250.4	8210.8	10918.5	13626.3	14923.6
3095.1	50°	3137.5	3245.9	3452.3	3778.6	4104.9	6138.4	8171.9	11463.0	14754.2	16709.9
2967.3	52.5°	3009.2	3160.6	3398.0	3682.2	3966.6	5949.2	7932.0	11816.6	15700.9	18586.4
2874.8	55°	2941.0	3169.2	3390.0	3612.3	3834.6	5635.6	7436.5	11738.6	16040.6	20249.9
2803.7	57.5°	2900.1	3177.7	3372.5	3529.5	3686.6	5193.4	6699.9	11190.3	15680.9	21429.0
2736.7	60°	2861.6	3150.9	3279.5	3402.9	3526.4	4619.2	5712.0	10169.8	14627.5	21723.6
2660.5	62.5°	2816.8	3085.1	3101.0	3182.8	3264.8	3932.0	4599.2	8789.9	12980.5	20483.0
2556.3	65°	2722.3	2926.9	2924.9	2963.6	3002.4	3313.8	3625.2	7381.9	11138.9	18727.6
2415.5	67.5°	2553.8	2668.8	2674.1	2652.7	2631.0	2719.7	2808.0	6002.8	9197.5	16638.6
2241.7	70°	2340.0	2377.8	2377.8	2277.7	2177.4	2152.3	2127.0	4726.3	7325.7	14359.2
2034.4	72.5°	2101.9	2101.4	2077.5	1935.6	1793.4	1716.9	1640.7	3613.3	5585.9	11888.2
1779.7	75°	1831.6	1840.9	1730.8	1571.5	1412.3	1343.1	1274.0	2622.5	3971.0	9055.5
1519.2	77.5°	1560.8	1565.7	1384.3	1229.7	1075.1	1027.8	980.8	1777.1	2573.3	6338.1
1217.3	80°	1252.1	1252.8	1036.1	905.3	774.3	754.8	735.4	1144.9	1554.7	4083.5
903.9	82.5°	920.9	910.7	725.6	629.2	532.8	528.9	525.5	704.2	883.4	2363.4
588.1	85°	606.3	592.9	455.3	384.7	314.1	316.1	317.8	376.5	435.4	1063.1
260.5	87.5°	267.8	250.8	193.6	164.6	135.9	137.6	139.3	156.1	172.9	348.2
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°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
6824.1	2.5°	6849.9	6876.0	6912.7	6949.5	6971.4	6993.3	7004.3	7015.2	7010.4	7015.2
7337.9	5°	7428.2	7518.8	7608.4	7698.3	7747.0	7795.7	7825.1	7854.8	7877.2	7854.8
7854.1	7.5°	8001.2	8148.0	8280.2	8412.4	8492.1	8571.7	8614.8	8657.6	8678.3	8657.6
8249.8	10°	8423.6	8597.5	8752.6	8907.7	9001.7	9095.2	9137.1	9178.7	9194.6	9178.7
8492.1	12.5°	8680.5	8868.8	9009.0	9148.8	9217.0	9285.1	9308.0	9330.9	9333.4	9330.9
8639.4	15°	8802.0	8964.5	9052.4	9140.5	9142.9	9145.4	9121.0	9096.7	9067.9	9096.7
8722.2	17.5°	8832.0	8941.8	8943.5	8945.0	8846.4	8747.7	8657.4	8566.8	8503.0	8566.8
8813.5	20°	8851.7	8890.2	8774.5	8658.9	8441.2	8223.5	8065.0	7906.4	7809.0	7906.4
8919.4	22.5°	8869.2	8819.1	8579.5	8339.9	8019.7	7699.5	7501.3	7303.1	7195.4	7303.1
9055.8	25°	8897.5	8739.2	8375.4	8011.6	7622.8	7233.9	7025.5	6817.5	6715.7	6817.5
9240.8	27.5°	8957.9	8674.7	8192.8	7711.2	7280.2	6849.2	6644.1	6439.4	6343.2	6439.4
9490.4	30°	9068.4	8646.7	8053.5	7460.4	7011.3	6562.3	6372.2	6182.0	6092.4	6182.0
9785.0	32.5°	9207.2	8629.6	7958.6	7287.5	6865.5	6443.5	6294.2	6144.7	6080.2	6144.7
10143.0	35°	9435.9	8729.0	8029.7	7330.6	7037.4	6744.5	6709.6	6674.8	6669.5	6674.8
10745.7	37.5°	9913.9	9082.1	8446.5	7811.0	7792.0	7773.0	7932.3	8091.5	8174.3	8091.5
11656.3	40°	10751.7	9847.1	9374.5	8901.9	9235.5	9569.1	9956.2	10343.4	10536.2	10343.4
12864.1	42.5°	11966.6	11069.0	10796.8	10524.6	11252.1	11979.7	12683.9	13388.1	13801.6	13388.1
14355.5	45°	13549.3	12742.8	12622.8	12502.5	13668.1	14834.0	15991.1	17148.5	17851.0	17148.5
16220.8	47.5°	15436.4	14651.9	14627.5	14603.2	16284.8	17965.9	19659.9	21353.7	22348.4	21353.7
18665.5	50°	17696.6	16728.0	16732.1	16736.2	18903.4	21070.5	23306.6	25542.7	26894.6	25542.7
21471.8	52.5°	20298.6	19125.7	19007.1	18888.3	21476.9	24065.6	26832.2	29598.6	31219.1	29598.6
24459.6	55°	23300.5	22141.5	21679.0	21216.6	24097.7	26978.6	30276.8	33575.0	35502.3	33575.0
27177.0	57.5°	26545.9	25914.5	24987.0	24059.7	26968.8	29877.9	33613.7	37349.2	39739.2	37349.2
28819.4	60°	29799.8	30780.3	29628.6	28476.8	31229.8	33982.9	37982.6	41982.3	44565.4	41982.3
27985.5	62.5°	30664.2	33342.9	33213.2	33083.1	35605.1	38127.2	41932.6	45737.8	48125.3	45737.8
26316.3	65°	28830.4	31344.5	31842.0	32339.2	35544.2	38749.4	42439.4	46129.1	48161.9	46129.1
24079.7	67.5°	26470.9	28862.1	29095.3	29328.4	32667.7	36006.8	39712.7	43418.5	45011.0	43418.5
21392.7	70°	23993.5	26594.6	26698.8	26803.3	29789.5	32775.6	35964.7	39153.6	40038.7	39153.6
18190.7	72.5°	21175.2	24160.1	24235.1	24309.8	26646.2	28982.6	31371.1	33759.3	33848.9	33759.3
14140.0	75°	17229.1	20318.1	20595.5	20872.8	22690.5	24508.3	26189.6	27871.0	27420.5	27871.0
10102.8	77.5°	12986.3	15870.1	16267.0	16663.9	18045.8	19427.6	20620.1	21812.7	21038.4	21812.7
6612.2	80°	9038.2	11464.0	11957.3	12450.6	13494.3	14537.4	15163.7	15789.8	14544.3	15789.8
3843.6	82.5°	5502.1	7160.8	7711.9	8263.2	8981.5	9699.8	9961.1	10222.1	9243.3	10222.1
1691.1	85°	2571.4	3451.6	3920.3	4389.1	4979.3	5569.3	5717.6	5865.9	5081.8	5865.9
523.5	87.5°	819.4	1115.2	1376.7	1638.3	1933.4	2228.5	2241.2	2253.6	1892.0	2253.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
6345.6	0°	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6	6345.6
7004.3	2.5°	6993.3	6971.4	6949.5	6912.7	6876.0	6849.9	6824.1
7825.1	5°	7795.7	7747.0	7698.3	7608.4	7518.8	7428.2	7337.9
8614.8	7.5°	8571.7	8492.1	8412.4	8280.2	8148.0	8001.2	7854.1
9137.1	10°	9095.2	9001.7	8907.7	8752.6	8597.5	8423.6	8249.8
9308.0	12.5°	9285.1	9217.0	9148.8	9009.0	8868.8	8680.5	8492.1
9121.0	15°	9145.4	9142.9	9140.5	9052.4	8964.5	8802.0	8639.4
8657.4	17.5°	8747.7	8846.4	8945.0	8943.5	8941.8	8832.0	8722.2
8065.0	20°	8223.5	8441.2	8658.9	8774.5	8890.2	8851.7	8813.5
7501.3	22.5°	7699.5	8019.7	8339.9	8579.5	8819.1	8869.2	8919.4
7025.5	25°	7233.9	7622.8	8011.6	8375.4	8739.2	8897.5	9055.8
6644.1	27.5°	6849.2	7280.2	7711.2	8192.8	8674.7	8957.9	9240.8
6372.2	30°	6562.3	7011.3	7460.4	8053.5	8646.7	9068.4	9490.4
6294.2	32.5°	6443.5	6865.5	7287.5	7958.6	8629.6	9207.2	9785.0
6709.6	35°	6744.5	7037.4	7330.6	8029.7	8729.0	9435.9	10143.0
7932.3	37.5°	7773.0	7792.0	7811.0	8446.5	9082.1	9913.9	10745.7
9956.2	40°	9569.1	9235.5	8901.9	9374.5	9847.1	10751.7	11656.3
12683.9	42.5°	11979.7	11252.1	10524.6	10796.8	11069.0	11966.6	12864.1
15991.1	45°	14834.0	13668.1	12502.5	12622.8	12742.8	13549.3	14355.5
19659.9	47.5°	17965.9	16284.8	14603.2	14627.5	14651.9	15436.4	16220.8
23306.6	50°	21070.5	18903.4	16736.2	16732.1	16728.0	17696.6	18665.5
26832.2	52.5°	24065.6	21476.9	18888.3	19007.1	19125.7	20298.6	21471.8
30276.8	55°	26978.6	24097.7	21216.6	21679.0	22141.5	23300.5	24459.6
33613.7	57.5°	29877.9	26968.8	24059.7	24987.0	25914.5	26545.9	27177.0
37982.6	60°	33982.9	31229.8	28476.8	29628.6	30780.3	29799.8	28819.4
41932.6	62.5°	38127.2	35605.1	33083.1	33213.2	33342.9	30664.2	27985.5
42439.4	65°	38749.4	35544.2	32339.2	31842.0	31344.5	28830.4	26316.3
39712.7	67.5°	36006.8	32667.7	29328.4	29095.3	28862.1	26470.9	24079.7
35964.7	70°	32775.6	29789.5	26803.3	26698.8	26594.6	23993.5	21392.7
31371.1	72.5°	28982.6	26646.2	24309.8	24235.1	24160.1	21175.2	18190.7
26189.6	75°	24508.3	22690.5	20872.8	20595.5	20318.1	17229.1	14140.0
20620.1	77.5°	19427.6	18045.8	16663.9	16267.0	15870.1	12986.3	10102.8
15163.7	80°	14537.4	13494.3	12450.6	11957.3	11464.0	9038.2	6612.2
9961.1	82.5°	9699.8	8981.5	8263.2	7711.9	7160.8	5502.1	3843.6
5717.6	85°	5569.3	4979.3	4389.1	3920.3	3451.6	2571.4	1691.1
2241.2	87.5°	2228.5	1933.4	1638.3	1376.7	1115.2	819.4	523.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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