

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: P951709

Luminaire Tested: **GALN-SB5D-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951709
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-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54189 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

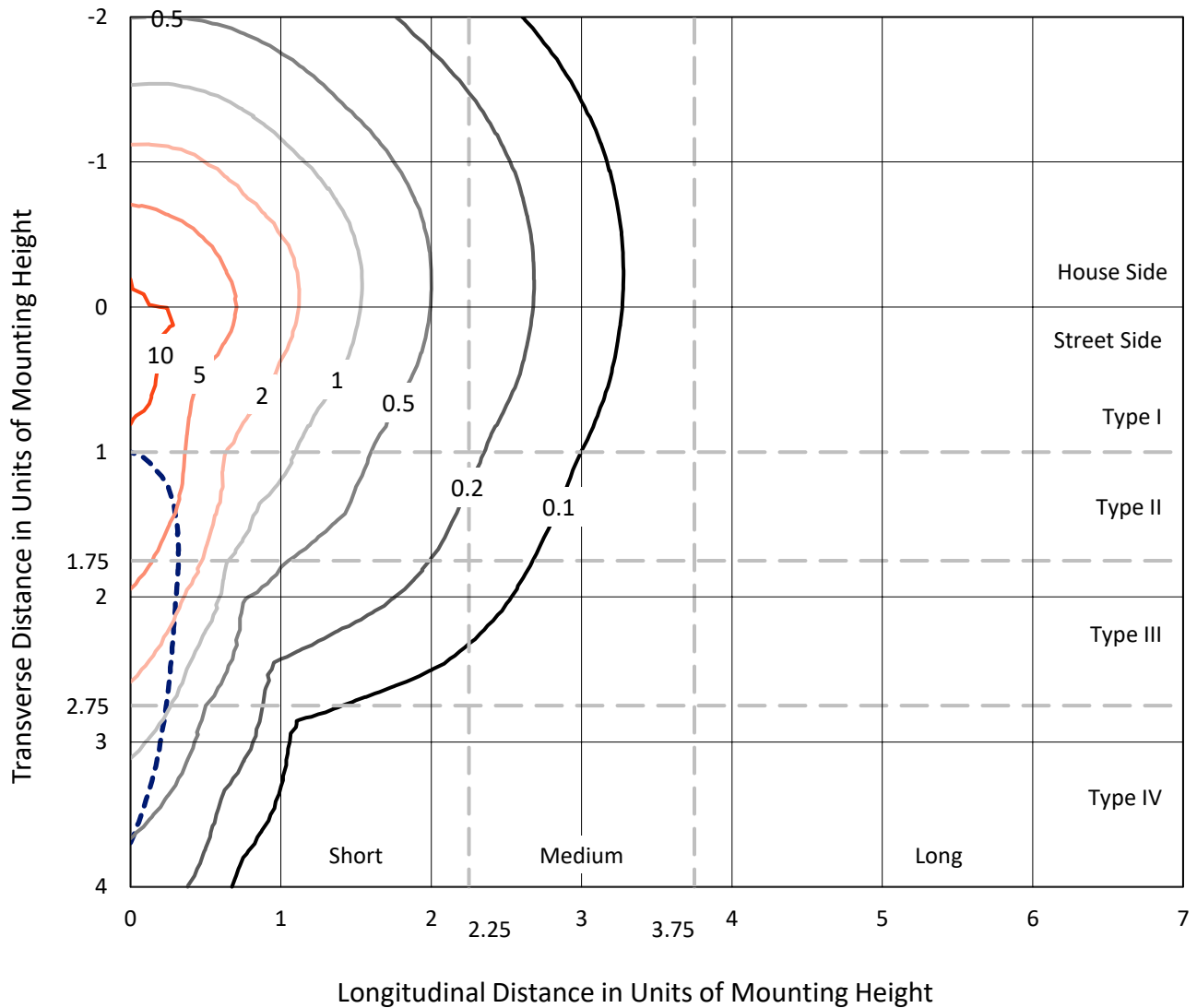
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

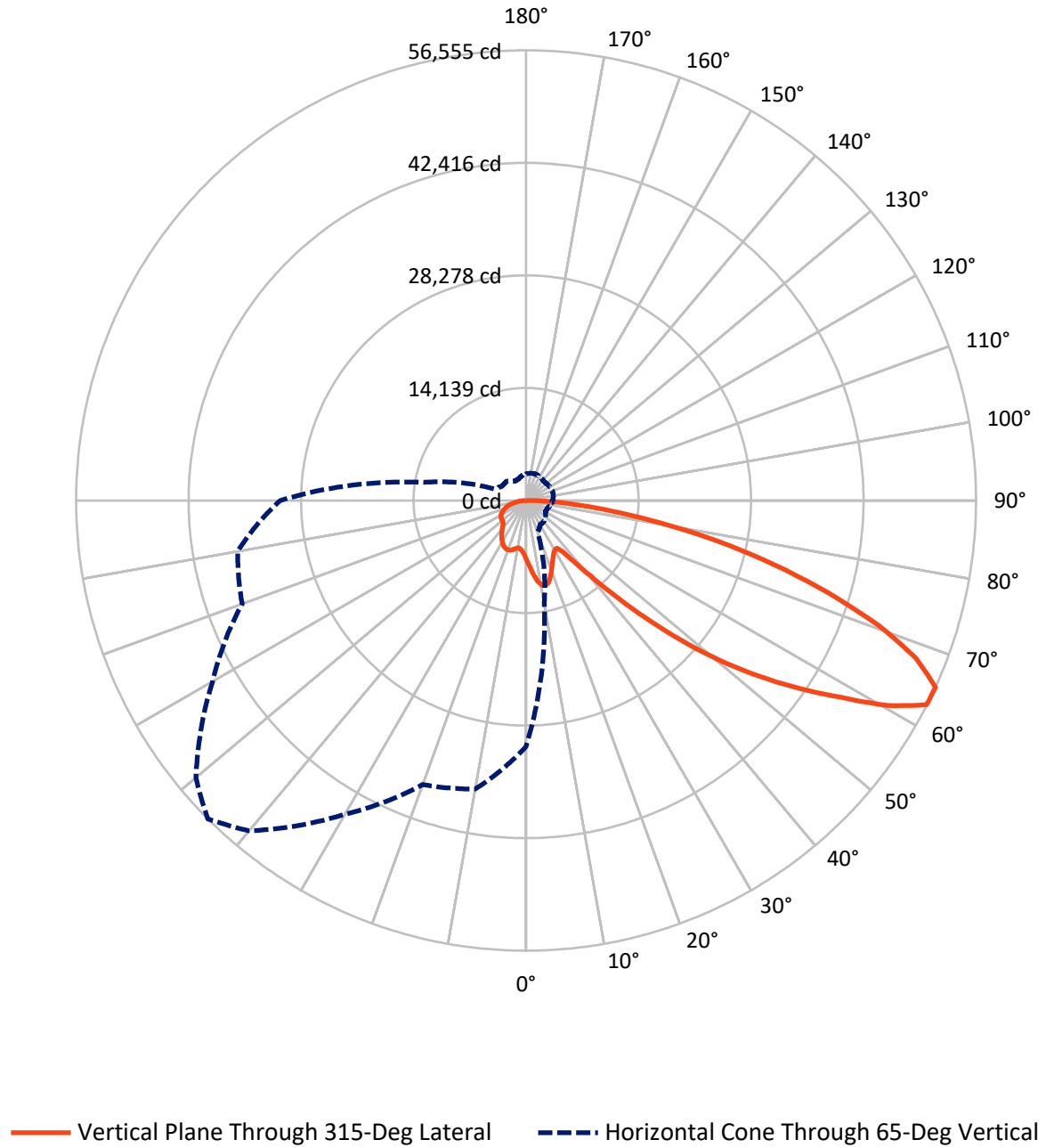
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	13772.1	0.0	13772.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	40416.9	0.0	40416.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	54189.0	0.0	54189.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.2	1.4
10°-20°	2320.4	4.3
20°-30°	3584.3	6.6
30°-40°	4542.2	8.4
40°-50°	6850.7	12.6
50°-60°	11068.4	20.4
60°-70°	13798.5	25.5
70°-80°	9048.4	16.7
80°-90°	2237.0	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°	54189.0	100.0
0°-180°	54189.0	100.0

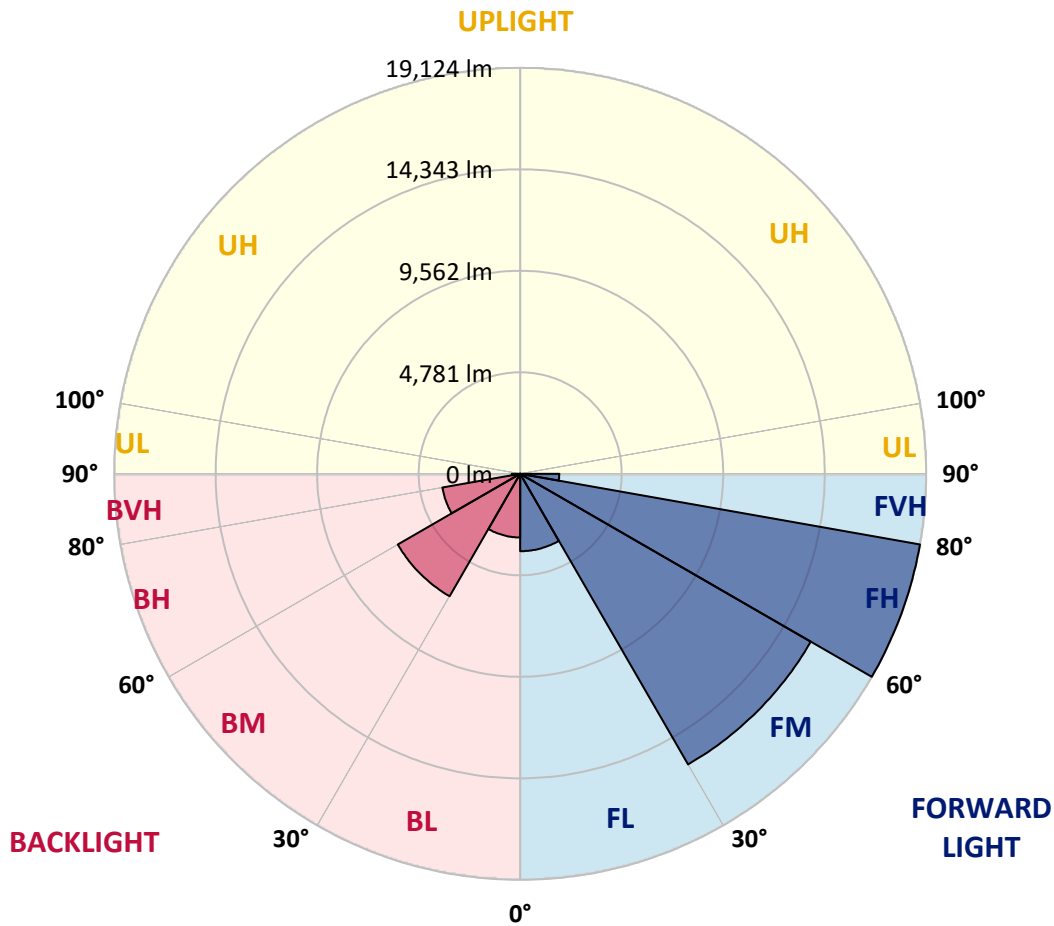


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3644.8	6.7			
FM (30°-60°)	15805.7	29.2			
FH (60°-80°)	19123.5	35.3			G5
FVH (80°-90°)	1842.8	3.4			G5
BL (0°-30°)	2999.0	5.5	B4/5000		
BM (30°-60°)	6655.5	12.3	B4/8500		
BH (60°-80°)	3723.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	394.2	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°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
2.5°	8013.3	7951.8	7890.4	7824.9	7759.7	7693.9	7628.2	7565.3	7502.4	7441.4
5°	8616.6	8480.8	8345.0	8209.5	8074.2	7937.8	7801.7	7674.5	7547.2	7427.1
7.5°	9222.8	8998.6	8774.8	8567.7	8360.7	8159.1	7957.6	7780.0	7602.4	7438.6
10°	9687.5	9404.1	9120.7	8847.1	8573.7	8329.0	8083.9	7874.1	7663.6	7461.5
12.5°	9972.0	9660.6	9349.5	9039.5	8729.6	8440.8	8152.0	7914.4	7676.8	7464.3
15°	10145.0	9820.4	9495.9	9159.6	8823.4	8490.8	8158.3	7883.2	7608.1	7372.8
17.5°	10242.2	9913.1	9584.0	9217.1	8850.2	8464.2	8078.2	7747.4	7416.6	7139.8
20°	10349.4	10007.4	9665.2	9262.0	8858.8	8391.0	7923.2	7513.2	7103.2	6780.9
22.5°	10473.8	10124.4	9774.7	9322.6	8870.3	8301.3	7732.2	7238.4	6744.6	6377.8
25°	10633.9	10291.4	9949.1	9432.4	8915.4	8212.6	7510.1	6931.6	6353.5	5977.5
27.5°	10851.2	10524.7	10197.9	9604.0	9009.8	8153.4	7297.0	6651.1	6005.2	5662.9
30°	11144.3	10828.6	10513.2	9826.1	9139.0	8125.7	7111.8	6416.7	5721.6	5434.2
32.5°	11490.3	11177.8	10865.5	10058.0	9250.6	8091.4	6931.6	6214.5	5497.1	5265.5
35°	11910.6	11611.5	11312.1	10322.2	9332.3	8026.8	6721.7	6015.8	5309.8	5116.8
37.5°	12618.3	12236.9	11855.4	10618.2	9380.9	7916.1	6451.3	5781.9	5112.5	4943.8
40°	13687.7	13131.8	12576.0	10993.9	9411.5	7763.7	6116.1	5502.8	4889.5	4736.5
42.5°	15105.9	14303.6	13501.3	11485.4	9469.6	7606.4	5743.9	5194.9	4645.9	4504.9
45°	16857.3	15775.0	14692.7	12132.2	9571.7	7460.3	5349.3	4867.7	4386.2	4243.3
47.5°	19047.5	17524.4	16000.9	12821.3	9641.7	7339.7	5037.6	4609.0	4180.4	3995.9
50°	21918.3	19622.0	17325.3	13460.7	9596.0	7208.1	4820.3	4437.1	4054.0	3811.5
52.5°	25213.7	21825.4	18437.1	13875.8	9314.3	6986.0	4657.9	4323.9	3990.2	3711.4
55°	28722.1	23778.9	18835.9	13784.3	8732.4	6617.7	4502.9	4241.8	3980.8	3721.4
57.5°	31913.2	25163.4	18413.6	13140.4	7867.5	6098.4	4329.0	4144.6	3960.2	3731.4
60°	33841.8	25509.4	17176.7	11942.1	6707.5	5424.2	4140.9	3995.9	3851.0	3700.0
62.5°	32862.5	24052.5	15242.6	10321.7	5400.7	4617.3	3833.8	3737.5	3641.4	3622.8
65°	30902.4	21991.2	13080.1	8668.4	4257.0	3891.3	3525.6	3480.1	3434.6	3436.9
67.5°	28276.1	19538.2	10800.3	7048.9	3297.4	3193.6	3089.5	3115.0	3140.1	3133.8
70°	25120.8	16861.6	8602.3	5550.0	2497.6	2527.4	2556.8	2674.6	2792.2	2792.2
72.5°	21360.7	13959.9	6559.3	4243.0	1926.6	2016.1	2105.9	2272.9	2439.6	2467.6
75°	16604.2	10633.6	4663.0	3079.5	1496.0	1577.2	1658.4	1845.4	2032.4	2161.7
77.5°	11863.4	7442.6	3021.8	2086.8	1151.7	1206.9	1262.4	1444.0	1625.5	1838.6
80°	7764.6	4795.1	1825.7	1344.5	863.5	886.4	909.3	1063.1	1216.7	1471.1
82.5°	4513.5	2775.3	1037.4	826.9	617.0	621.0	625.6	738.9	852.1	1069.4
85°	1985.8	1248.4	511.3	442.1	373.1	371.1	368.9	451.8	534.7	696.3
87.5°	614.8	408.9	203.0	183.3	163.6	161.6	159.6	193.3	227.3	294.5
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
7373.7	2.5°	7318.8	7264.2	7214.7	7165.5	7122.3	7079.2	7035.7	6992.5	6959.1	6925.3
7308.5	5°	7205.0	7101.2	7014.3	6927.6	6851.0	6774.4	6704.9	6635.1	6581.6	6527.9
7285.0	7.5°	7147.2	7009.7	6895.3	6780.9	6684.6	6587.9	6502.7	6417.8	6354.0	6290.6
7296.5	10°	7151.2	7006.0	6891.6	6777.2	6673.4	6569.3	6473.6	6377.8	6301.7	6225.4
7310.8	12.5°	7191.8	7073.4	6997.4	6921.9	6840.1	6758.9	6659.7	6560.8	6463.6	6366.3
7249.9	15°	7193.0	7136.4	7146.6	7156.9	7135.8	7114.6	7028.6	6942.5	6804.1	6665.7
7064.0	17.5°	7084.9	7105.5	7230.1	7354.8	7421.1	7487.2	7417.7	7348.5	7165.2	6981.9
6760.9	20°	6858.1	6955.4	7171.8	7388.5	7527.2	7665.9	7633.9	7601.6	7392.0	7182.7
6416.9	22.5°	6560.8	6704.6	6951.6	7199.3	7379.7	7560.1	7579.6	7598.7	7398.6	7198.4
6083.3	25°	6249.1	6414.9	6637.1	6859.6	7037.1	7214.7	7281.0	7347.1	7183.0	7019.1
5791.6	27.5°	5951.7	6111.9	6294.6	6477.0	6619.4	6761.8	6835.6	6909.6	6792.7	6676.0
5535.1	30°	5662.1	5789.6	5941.1	6092.7	6210.8	6329.2	6389.2	6449.3	6360.3	6271.1
5310.4	32.5°	5385.6	5460.8	5581.7	5703.0	5816.2	5929.7	5996.3	6063.2	5981.5	5899.4
5098.2	35°	5118.8	5139.7	5232.0	5324.1	5436.2	5548.6	5628.6	5708.7	5650.4	5592.3
4875.8	37.5°	4852.9	4830.0	4896.3	4962.4	5074.2	5186.3	5285.2	5384.1	5357.3	5330.4
4632.1	40°	4580.4	4528.6	4576.4	4624.1	4732.2	4840.3	4954.1	5068.2	5074.8	5081.1
4373.4	42.5°	4304.7	4236.1	4275.0	4314.2	4416.5	4519.2	4642.1	4765.1	4798.0	4830.9
4116.0	45°	4049.1	3982.5	4015.1	4048.3	4145.5	4242.7	4370.2	4497.8	4544.9	4592.1
3886.4	47.5°	3830.4	3774.3	3805.2	3835.8	3931.0	4026.0	4151.8	4277.6	4331.9	4386.2
3684.3	50°	3634.5	3585.0	3633.1	3681.4	3771.2	3860.7	3973.3	4086.0	4155.8	4225.5
3533.6	52.5°	3484.4	3435.5	3507.8	3579.9	3662.2	3744.3	3849.3	3954.5	4037.1	4119.7
3453.5	55°	3375.7	3298.3	3400.9	3503.3	3591.9	3680.5	3772.6	3864.4	3951.9	4039.7
3405.5	57.5°	3292.3	3179.0	3289.4	3399.8	3503.8	3607.9	3698.8	3790.1	3878.4	3966.5
3360.3	60°	3213.6	3066.6	3163.6	3260.2	3379.7	3499.3	3591.6	3684.3	3772.9	3861.5
3307.7	62.5°	3124.1	2940.8	3002.3	3063.8	3203.0	3342.6	3441.2	3539.9	3621.1	3702.3
3196.7	65°	3001.7	2806.4	2830.2	2853.6	3002.9	3152.4	3246.8	3341.1	3412.6	3484.1
2998.9	67.5°	2836.5	2674.1	2666.6	2659.2	2797.0	2935.1	3024.6	3113.8	3175.6	3237.4
2747.8	70°	2632.3	2516.8	2491.1	2465.3	2586.6	2707.8	2785.0	2862.2	2918.0	2973.7
2468.2	72.5°	2389.0	2309.8	2272.0	2234.6	2330.1	2425.3	2495.1	2564.8	2619.4	2674.1
2150.8	75°	2089.9	2028.7	1992.7	1956.4	2027.3	2098.2	2161.4	2224.6	2274.3	2324.1
1832.8	77.5°	1783.9	1735.1	1698.5	1661.9	1719.6	1777.1	1831.4	1885.7	1938.1	1990.1
1470.3	80°	1429.4	1388.2	1357.6	1326.7	1374.8	1422.5	1468.3	1514.0	1553.8	1593.2
1081.4	82.5°	1061.4	1041.4	1019.6	997.9	993.9	989.9	973.9	957.9	1042.5	1127.2
712.0	85°	690.5	669.1	644.8	620.5	599.9	579.0	534.7	490.4	569.6	649.1
314.5	87.5°	305.9	297.4	292.8	288.2	287.4	286.5	252.8	218.7	251.9	285.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
6898.2	2.5°	6871.0	6849.8	6828.7	6809.2	6789.5	6765.2	6789.5	6809.2	6828.7	6849.8
6490.4	5°	6453.0	6426.4	6399.8	6379.5	6359.2	6339.2	6359.2	6379.5	6399.8	6426.4
6246.0	7.5°	6201.3	6170.8	6140.4	6122.1	6104.1	6090.4	6104.1	6122.1	6140.4	6170.8
6175.6	10°	6125.3	6096.4	6067.5	6052.1	6036.7	6030.4	6036.7	6052.1	6067.5	6096.4
6302.0	12.5°	6237.7	6205.4	6173.3	6160.2	6147.0	6144.7	6147.0	6160.2	6173.3	6205.4
6567.9	15°	6470.1	6425.2	6380.6	6363.5	6346.3	6344.9	6346.3	6363.5	6380.6	6425.2
6837.8	17.5°	6693.7	6627.4	6560.8	6539.0	6517.0	6513.6	6517.0	6539.0	6560.8	6627.4
7006.0	20°	6829.5	6744.6	6659.4	6632.3	6605.1	6596.5	6605.1	6632.3	6659.4	6744.6
7016.5	22.5°	6834.4	6744.9	6655.1	6625.1	6595.1	6582.2	6595.1	6625.1	6655.1	6744.9
6857.3	25°	6696.0	6618.2	6540.8	6512.4	6484.4	6467.8	6484.4	6512.4	6540.8	6618.2
6550.5	27.5°	6424.9	6372.9	6320.6	6307.7	6294.8	6290.6	6294.8	6307.7	6320.6	6372.9
6181.3	30°	6091.0	6064.4	6037.5	6037.5	6037.5	6041.8	6037.5	6037.5	6037.5	6064.4
5827.6	32.5°	5755.9	5738.4	5721.0	5723.3	5725.8	5730.1	5725.8	5723.3	5721.0	5738.4
5526.0	35°	5459.9	5433.3	5407.0	5401.3	5395.6	5392.7	5395.6	5401.3	5407.0	5433.3
5269.5	37.5°	5208.3	5160.0	5111.9	5086.5	5061.0	5046.7	5061.0	5086.5	5111.9	5160.0
5029.3	40°	4977.5	4907.2	4837.4	4790.0	4743.1	4715.1	4743.1	4790.0	4837.4	4907.2
4787.1	42.5°	4743.7	4656.4	4569.2	4500.3	4431.4	4386.2	4431.4	4500.3	4569.2	4656.4
4552.6	45°	4513.5	4413.7	4314.2	4233.3	4152.3	4100.3	4152.3	4233.3	4314.2	4413.7
4358.8	47.5°	4331.3	4242.7	4154.1	4079.1	4004.5	3954.5	4004.5	4079.1	4154.1	4242.7
4223.8	50°	4222.7	4151.8	4080.9	4011.7	3942.5	3894.4	3942.5	4011.7	4080.9	4151.8
4134.6	52.5°	4149.5	4091.7	4034.0	3971.9	3910.2	3865.8	3910.2	3971.9	4034.0	4091.7
4060.3	55°	4080.9	4030.5	3980.2	3925.9	3871.6	3831.5	3871.6	3925.9	3980.2	4030.5
3987.4	57.5°	4008.2	3957.3	3906.4	3852.7	3798.6	3757.2	3798.6	3852.7	3906.4	3957.3
3884.4	60°	3907.3	3857.5	3808.1	3752.6	3697.1	3654.2	3697.1	3752.6	3808.1	3857.5
3724.3	62.5°	3746.3	3701.4	3656.5	3598.2	3539.9	3488.4	3539.9	3598.2	3656.5	3701.4
3506.7	65°	3529.0	3485.8	3442.7	3386.0	3329.7	3285.4	3329.7	3386.0	3442.7	3485.8
3259.4	67.5°	3281.1	3241.4	3201.9	3149.3	3096.7	3056.6	3096.7	3149.3	3201.9	3241.4
2994.9	70°	3016.0	2983.7	2951.4	2901.1	2850.8	2805.0	2850.8	2901.1	2951.4	2983.7
2699.2	72.5°	2724.4	2697.5	2670.6	2622.6	2574.8	2530.5	2574.8	2622.6	2670.6	2697.5
2350.4	75°	2376.7	2363.5	2350.4	2310.1	2269.7	2227.4	2269.7	2310.1	2350.4	2363.5
2014.7	77.5°	2039.3	2021.0	2002.1	1961.5	1920.9	1887.2	1920.9	1961.5	2002.1	2021.0
1625.8	80°	1658.4	1650.4	1642.7	1588.1	1533.2	1469.7	1533.2	1588.1	1642.7	1650.4
1182.6	82.5°	1238.1	1234.7	1230.9	1184.9	1138.6	1098.0	1138.6	1184.9	1230.9	1234.7
717.7	85°	786.3	780.6	774.9	738.9	702.8	666.2	702.8	738.9	774.9	780.6
313.1	87.5°	340.8	334.0	326.5	308.2	289.4	271.6	289.4	308.2	326.5	334.0
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
6871.0	2.5°	6898.2	6925.3	6959.1	6992.5	7035.7	7079.2	7122.3	7165.5	7214.7	7264.2
6453.0	5°	6490.4	6527.9	6581.6	6635.1	6704.9	6774.4	6851.0	6927.6	7014.3	7101.2
6201.3	7.5°	6246.0	6290.6	6354.0	6417.8	6502.7	6587.9	6684.6	6780.9	6895.3	7009.7
6125.3	10°	6175.6	6225.4	6301.7	6377.8	6473.6	6569.3	6673.4	6777.2	6891.6	7006.0
6237.7	12.5°	6302.0	6366.3	6463.6	6560.8	6659.7	6758.9	6840.1	6921.9	6997.4	7073.4
6470.1	15°	6567.9	6665.7	6804.1	6942.5	7028.6	7114.6	7135.8	7156.9	7146.6	7136.4
6693.7	17.5°	6837.8	6981.9	7165.2	7348.5	7417.7	7487.2	7421.1	7354.8	7230.1	7105.5
6829.5	20°	7006.0	7182.7	7392.0	7601.6	7633.9	7665.9	7527.2	7388.5	7171.8	6955.4
6834.4	22.5°	7016.5	7198.4	7398.6	7598.7	7579.6	7560.1	7379.7	7199.3	6951.6	6704.6
6696.0	25°	6857.3	7019.1	7183.0	7347.1	7281.0	7214.7	7037.1	6859.6	6637.1	6414.9
6424.9	27.5°	6550.5	6676.0	6792.7	6909.6	6835.6	6761.8	6619.4	6477.0	6294.6	6111.9
6091.0	30°	6181.3	6271.1	6360.3	6449.3	6389.2	6329.2	6210.8	6092.7	5941.1	5789.6
5755.9	32.5°	5827.6	5899.4	5981.5	6063.2	5996.3	5929.7	5816.2	5703.0	5581.7	5460.8
5459.9	35°	5526.0	5592.3	5650.4	5708.7	5628.6	5548.6	5436.2	5324.1	5232.0	5139.7
5208.3	37.5°	5269.5	5330.4	5357.3	5384.1	5285.2	5186.3	5074.2	4962.4	4896.3	4830.0
4977.5	40°	5029.3	5081.1	5074.8	5068.2	4954.1	4840.3	4732.2	4624.1	4576.4	4528.6
4743.7	42.5°	4787.1	4830.9	4798.0	4765.1	4642.1	4519.2	4416.5	4314.2	4275.0	4236.1
4513.5	45°	4552.6	4592.1	4544.9	4497.8	4370.2	4242.7	4145.5	4048.3	4015.1	3982.5
4331.3	47.5°	4358.8	4386.2	4331.9	4277.6	4151.8	4026.0	3931.0	3835.8	3805.2	3774.3
4222.7	50°	4223.8	4225.5	4155.8	4086.0	3973.3	3860.7	3771.2	3681.4	3633.1	3585.0
4149.5	52.5°	4134.6	4119.7	4037.1	3954.5	3849.3	3744.3	3662.2	3579.9	3507.8	3435.5
4080.9	55°	4060.3	4039.7	3951.9	3864.4	3772.6	3680.5	3591.9	3503.3	3400.9	3298.3
4008.2	57.5°	3987.4	3966.5	3878.4	3790.1	3698.8	3607.9	3503.8	3399.8	3289.4	3179.0
3907.3	60°	3884.4	3861.5	3772.9	3684.3	3591.6	3499.3	3379.7	3260.2	3163.6	3066.6
3746.3	62.5°	3724.3	3702.3	3621.1	3539.9	3441.2	3342.6	3203.0	3063.8	3002.3	2940.8
3529.0	65°	3506.7	3484.1	3412.6	3341.1	3246.8	3152.4	3002.9	2853.6	2830.2	2806.4
3281.1	67.5°	3259.4	3237.4	3175.6	3113.8	3024.6	2935.1	2797.0	2659.2	2666.6	2674.1
3016.0	70°	2994.9	2973.7	2918.0	2862.2	2785.0	2707.8	2586.6	2465.3	2491.1	2516.8
2724.4	72.5°	2699.2	2674.1	2619.4	2564.8	2495.1	2425.3	2330.1	2234.6	2272.0	2309.8
2376.7	75°	2350.4	2324.1	2274.3	2224.6	2161.4	2098.2	2027.3	1956.4	1992.7	2028.7
2039.3	77.5°	2014.7	1990.1	1938.1	1885.7	1831.4	1777.1	1719.6	1661.9	1698.5	1735.1
1658.4	80°	1625.8	1593.2	1553.8	1514.0	1468.3	1422.5	1374.8	1326.7	1357.6	1388.2
1238.1	82.5°	1182.6	1127.2	1042.5	957.9	973.9	989.9	993.9	997.9	1019.6	1041.4
786.3	85°	717.7	649.1	569.6	490.4	534.7	579.0	599.9	620.5	644.8	669.1
340.8	87.5°	313.1	285.4	251.9	218.7	252.8	286.5	287.4	288.2	292.8	297.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
7318.8	2.5°	7373.7	7441.4	7502.4	7565.3	7628.2	7693.9	7759.7	7824.9	7890.4	7951.8
7205.0	5°	7308.5	7427.1	7547.2	7674.5	7801.7	7937.8	8074.2	8209.5	8345.0	8480.8
7147.2	7.5°	7285.0	7438.6	7602.4	7780.0	7957.6	8159.1	8360.7	8567.7	8774.8	8998.6
7151.2	10°	7296.5	7461.5	7663.6	7874.1	8083.9	8329.0	8573.7	8847.1	9120.7	9404.1
7191.8	12.5°	7310.8	7464.3	7676.8	7914.4	8152.0	8440.8	8729.6	9039.5	9349.5	9660.6
7193.0	15°	7249.9	7372.8	7608.1	7883.2	8158.3	8490.8	8823.4	9159.6	9495.9	9820.4
7084.9	17.5°	7064.0	7139.8	7416.6	7747.4	8078.2	8464.2	8850.2	9217.1	9584.0	9913.1
6858.1	20°	6760.9	6780.9	7103.2	7513.2	7923.2	8391.0	8858.8	9262.0	9665.2	10007.4
6560.8	22.5°	6416.9	6377.8	6744.6	7238.4	7732.2	8301.3	8870.3	9322.6	9774.7	10124.4
6249.1	25°	6083.3	5977.5	6353.5	6931.6	7510.1	8212.6	8915.4	9432.4	9949.1	10291.4
5951.7	27.5°	5791.6	5662.9	6005.2	6651.1	7297.0	8153.4	9009.8	9604.0	10197.9	10524.7
5662.1	30°	5535.1	5434.2	5721.6	6416.7	7111.8	8125.7	9139.0	9826.1	10513.2	10828.6
5385.6	32.5°	5310.4	5265.5	5497.1	6214.5	6931.6	8091.4	9250.6	10058.0	10865.5	11177.8
5118.8	35°	5098.2	5116.8	5309.8	6015.8	6721.7	8026.8	9332.3	10322.2	11312.1	11611.5
4852.9	37.5°	4875.8	4943.8	5112.5	5781.9	6451.3	7916.1	9380.9	10618.2	11855.4	12236.9
4580.4	40°	4632.1	4736.5	4889.5	5502.8	6116.1	7763.7	9411.5	10993.9	12576.0	13131.8
4304.7	42.5°	4373.4	4504.9	4645.9	5194.9	5743.9	7606.4	9469.6	11485.4	13501.3	14303.6
4049.1	45°	4116.0	4243.3	4386.2	4867.7	5349.3	7460.3	9571.7	12132.2	14692.7	15775.0
3830.4	47.5°	3886.4	3995.9	4180.4	4609.0	5037.6	7339.7	9641.7	12821.3	16000.9	17524.4
3634.5	50°	3684.3	3811.5	4054.0	4437.1	4820.3	7208.1	9596.0	13460.7	17325.3	19622.0
3484.4	52.5°	3533.6	3711.4	3990.2	4323.9	4657.9	6986.0	9314.3	13875.8	18437.1	21825.4
3375.7	55°	3453.5	3721.4	3980.8	4241.8	4502.9	6617.7	8732.4	13784.3	18835.9	23778.9
3292.3	57.5°	3405.5	3731.4	3960.2	4144.6	4329.0	6098.4	7867.5	13140.4	18413.6	25163.4
3213.6	60°	3360.3	3700.0	3851.0	3995.9	4140.9	5424.2	6707.5	11942.1	17176.7	25509.4
3124.1	62.5°	3307.7	3622.8	3641.4	3737.5	3833.8	4617.3	5400.7	10321.7	15242.6	24052.5
3001.7	65°	3196.7	3436.9	3434.6	3480.1	3525.6	3891.3	4257.0	8668.4	13080.1	21991.2
2836.5	67.5°	2998.9	3133.8	3140.1	3115.0	3089.5	3193.6	3297.4	7048.9	10800.3	19538.2
2632.3	70°	2747.8	2792.2	2792.2	2674.6	2556.8	2527.4	2497.6	5550.0	8602.3	16861.6
2389.0	72.5°	2468.2	2467.6	2439.6	2272.9	2105.9	2016.1	1926.6	4243.0	6559.3	13959.9
2089.9	75°	2150.8	2161.7	2032.4	1845.4	1658.4	1577.2	1496.0	3079.5	4663.0	10633.6
1783.9	77.5°	1832.8	1838.6	1625.5	1444.0	1262.4	1206.9	1151.7	2086.8	3021.8	7442.6
1429.4	80°	1470.3	1471.1	1216.7	1063.1	909.3	886.4	863.5	1344.5	1825.7	4795.1
1061.4	82.5°	1081.4	1069.4	852.1	738.9	625.6	621.0	617.0	826.9	1037.4	2775.3
690.5	85°	712.0	696.3	534.7	451.8	368.9	371.1	373.1	442.1	511.3	1248.4
305.9	87.5°	314.5	294.5	227.3	193.3	159.6	161.6	163.6	183.3	203.0	408.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
8013.3	2.5°	8043.6	8074.2	8117.4	8160.6	8186.3	8212.0	8224.9	8237.8	8232.1	8237.8
8616.6	5°	8722.7	8829.1	8934.3	9039.8	9097.0	9154.2	9188.8	9223.7	9250.0	9223.7
9222.8	7.5°	9395.5	9567.9	9723.2	9878.5	9972.0	10065.5	10116.1	10166.4	10190.7	10166.4
9687.5	10°	9891.6	10095.8	10277.9	10460.1	10570.4	10680.2	10729.4	10778.3	10796.9	10778.3
9972.0	12.5°	10193.3	10414.3	10579.0	10743.1	10823.2	10903.3	10930.1	10957.0	10959.9	10957.0
10145.0	15°	10336.0	10526.7	10629.9	10733.4	10736.3	10739.1	10710.5	10681.9	10648.2	10681.9
10242.2	17.5°	10371.1	10500.1	10502.1	10503.8	10388.0	10272.2	10166.1	10059.7	9984.8	10059.7
10349.4	20°	10394.3	10439.5	10303.7	10167.8	9912.2	9656.6	9470.4	9284.3	9169.9	9284.3
10473.8	22.5°	10414.9	10356.0	10074.6	9793.3	9417.3	9041.3	8808.5	8575.7	8449.4	8575.7
10633.9	25°	10448.0	10262.2	9835.0	9407.8	8951.2	8494.5	8249.8	8005.6	7886.1	8005.6
10851.2	27.5°	10519.0	10186.4	9620.6	9055.0	8548.9	8042.8	7802.0	7561.5	7448.6	7561.5
11144.3	30°	10648.8	10153.5	9457.0	8760.5	8233.2	7705.9	7482.6	7259.3	7154.1	7259.3
11490.3	32.5°	10811.8	10133.5	9345.5	8557.4	8061.9	7566.4	7391.1	7215.6	7139.8	7215.6
11910.6	35°	11080.2	10250.2	9429.0	8608.1	8263.8	7919.8	7878.9	7838.0	7831.7	7838.0
12618.3	37.5°	11641.5	10664.8	9918.5	9172.2	9149.9	9127.6	9314.6	9501.6	9598.8	9501.6
13687.7	40°	12625.4	11563.2	11008.2	10453.2	10844.9	11236.7	11691.3	12145.9	12372.4	12145.9
15105.9	42.5°	14052.0	12998.0	12678.3	12358.7	13213.0	14067.4	14894.3	15721.3	16206.8	15721.3
16857.3	45°	15910.5	14963.5	14822.6	14681.3	16050.1	17419.1	18777.9	20136.9	20961.9	20136.9
19047.5	47.5°	18126.5	17205.3	17176.7	17148.1	19122.7	21096.8	23086.1	25075.0	26243.1	25075.0
21918.3	50°	20780.6	19643.1	19648.0	19652.9	22197.7	24742.5	27368.2	29994.0	31581.5	29994.0
25213.7	52.5°	23836.1	22458.7	22319.5	22179.9	25219.7	28259.5	31508.3	34756.8	36659.7	34756.8
28722.1	55°	27361.1	26000.0	25457.0	24914.0	28297.2	31680.1	35553.1	39426.1	41689.3	39426.1
31913.2	57.5°	31172.0	30430.6	29341.5	28252.6	31668.7	35084.7	39471.5	43858.1	46664.5	43858.1
33841.8	60°	34993.0	36144.4	34791.9	33439.5	36672.2	39905.0	44601.8	49298.5	52331.7	49298.5
32862.5	62.5°	36008.0	39153.6	39001.2	38848.5	41809.9	44771.6	49240.2	53708.5	56512.1	53708.5
30902.4	65°	33854.6	36806.9	37391.1	37975.0	41738.4	45502.2	49835.2	54168.0	56555.0	54168.0
28276.1	67.5°	31083.9	33891.8	34165.7	34439.4	38360.7	42281.7	46633.4	50985.0	52855.0	50985.0
25120.8	70°	28174.8	31229.2	31351.6	31474.2	34980.9	38487.4	42232.2	45976.8	47016.2	45976.8
21360.7	72.5°	24865.4	28370.4	28458.5	28546.3	31289.8	34033.4	36838.1	39642.5	39747.8	39642.5
16604.2	75°	20231.6	23859.0	24184.6	24510.3	26644.8	28779.3	30753.7	32728.1	32199.1	32728.1
11863.4	77.5°	15249.5	18635.8	19101.9	19567.9	21190.6	22813.3	24213.5	25614.0	24704.7	25614.0
7764.6	80°	10613.3	13461.8	14041.1	14620.4	15845.9	17070.9	17806.3	18541.4	17078.9	18541.4
4513.5	82.5°	6461.0	8408.8	9055.8	9703.2	10546.7	11390.2	11697.0	12003.5	10854.1	12003.5
1985.8	85°	3019.5	4053.1	4603.5	5154.0	5847.1	6539.9	6714.0	6888.2	5967.5	6888.2
614.8	87.5°	962.2	1309.6	1616.7	1923.8	2270.3	2616.9	2631.7	2646.3	2221.7	2646.3
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°
7451.5	0°	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5	7451.5
8224.9	2.5°	8212.0	8186.3	8160.6	8117.4	8074.2	8043.6	8013.3
9188.8	5°	9154.2	9097.0	9039.8	8934.3	8829.1	8722.7	8616.6
10116.1	7.5°	10065.5	9972.0	9878.5	9723.2	9567.9	9395.5	9222.8
10729.4	10°	10680.2	10570.4	10460.1	10277.9	10095.8	9891.6	9687.5
10930.1	12.5°	10903.3	10823.2	10743.1	10579.0	10414.3	10193.3	9972.0
10710.5	15°	10739.1	10736.3	10733.4	10629.9	10526.7	10336.0	10145.0
10166.1	17.5°	10272.2	10388.0	10503.8	10502.1	10500.1	10371.1	10242.2
9470.4	20°	9656.6	9912.2	10167.8	10303.7	10439.5	10394.3	10349.4
8808.5	22.5°	9041.3	9417.3	9793.3	10074.6	10356.0	10414.9	10473.8
8249.8	25°	8494.5	8951.2	9407.8	9835.0	10262.2	10448.0	10633.9
7802.0	27.5°	8042.8	8548.9	9055.0	9620.6	10186.4	10519.0	10851.2
7482.6	30°	7705.9	8233.2	8760.5	9457.0	10153.5	10648.8	11144.3
7391.1	32.5°	7566.4	8061.9	8557.4	9345.5	10133.5	10811.8	11490.3
7878.9	35°	7919.8	8263.8	8608.1	9429.0	10250.2	11080.2	11910.6
9314.6	37.5°	9127.6	9149.9	9172.2	9918.5	10664.8	11641.5	12618.3
11691.3	40°	11236.7	10844.9	10453.2	11008.2	11563.2	12625.4	13687.7
14894.3	42.5°	14067.4	13213.0	12358.7	12678.3	12998.0	14052.0	15105.9
18777.9	45°	17419.1	16050.1	14681.3	14822.6	14963.5	15910.5	16857.3
23086.1	47.5°	21096.8	19122.7	17148.1	17176.7	17205.3	18126.5	19047.5
27368.2	50°	24742.5	22197.7	19652.9	19648.0	19643.1	20780.6	21918.3
31508.3	52.5°	28259.5	25219.7	22179.9	22319.5	22458.7	23836.1	25213.7
35553.1	55°	31680.1	28297.2	24914.0	25457.0	26000.0	27361.1	28722.1
39471.5	57.5°	35084.7	31668.7	28252.6	29341.5	30430.6	31172.0	31913.2
44601.8	60°	39905.0	36672.2	33439.5	34791.9	36144.4	34993.0	33841.8
49240.2	62.5°	44771.6	41809.9	38848.5	39001.2	39153.6	36008.0	32862.5
49835.2	65°	45502.2	41738.4	37975.0	37391.1	36806.9	33854.6	30902.4
46633.4	67.5°	42281.7	38360.7	34439.4	34165.7	33891.8	31083.9	28276.1
42232.2	70°	38487.4	34980.9	31474.2	31351.6	31229.2	28174.8	25120.8
36838.1	72.5°	34033.4	31289.8	28546.3	28458.5	28370.4	24865.4	21360.7
30753.7	75°	28779.3	26644.8	24510.3	24184.6	23859.0	20231.6	16604.2
24213.5	77.5°	22813.3	21190.6	19567.9	19101.9	18635.8	15249.5	11863.4
17806.3	80°	17070.9	15845.9	14620.4	14041.1	13461.8	10613.3	7764.6
11697.0	82.5°	11390.2	10546.7	9703.2	9055.8	8408.8	6461.0	4513.5
6714.0	85°	6539.9	5847.1	5154.0	4603.5	4053.1	3019.5	1985.8
2631.7	87.5°	2616.9	2270.3	1923.8	1616.7	1309.6	962.2	614.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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