

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: P956161

Luminaire Tested: **GALN-SB8D-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956161
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-SB8D-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49907 lumens
Efficiency: N/A
Efficacy: 85.3 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

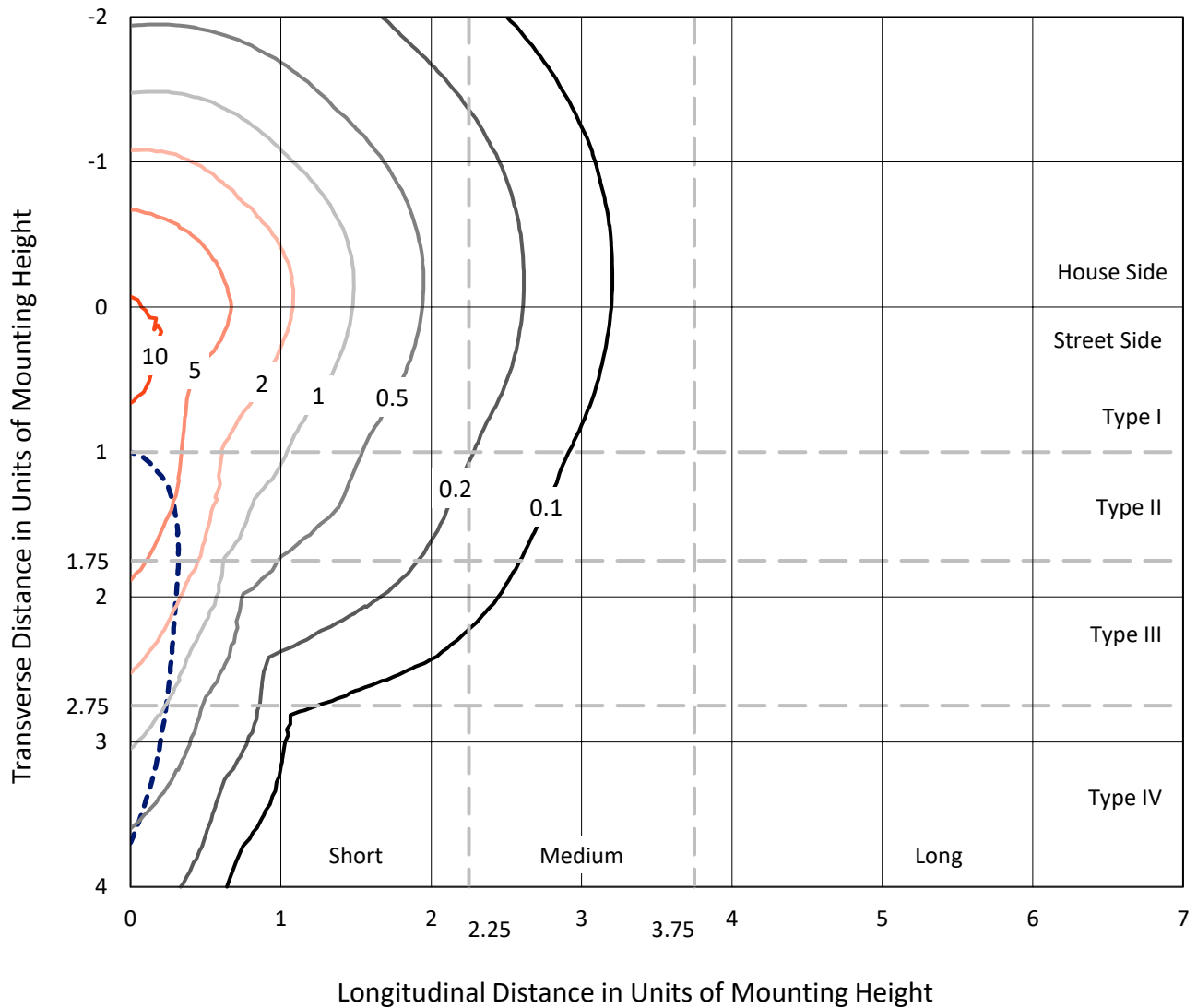
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

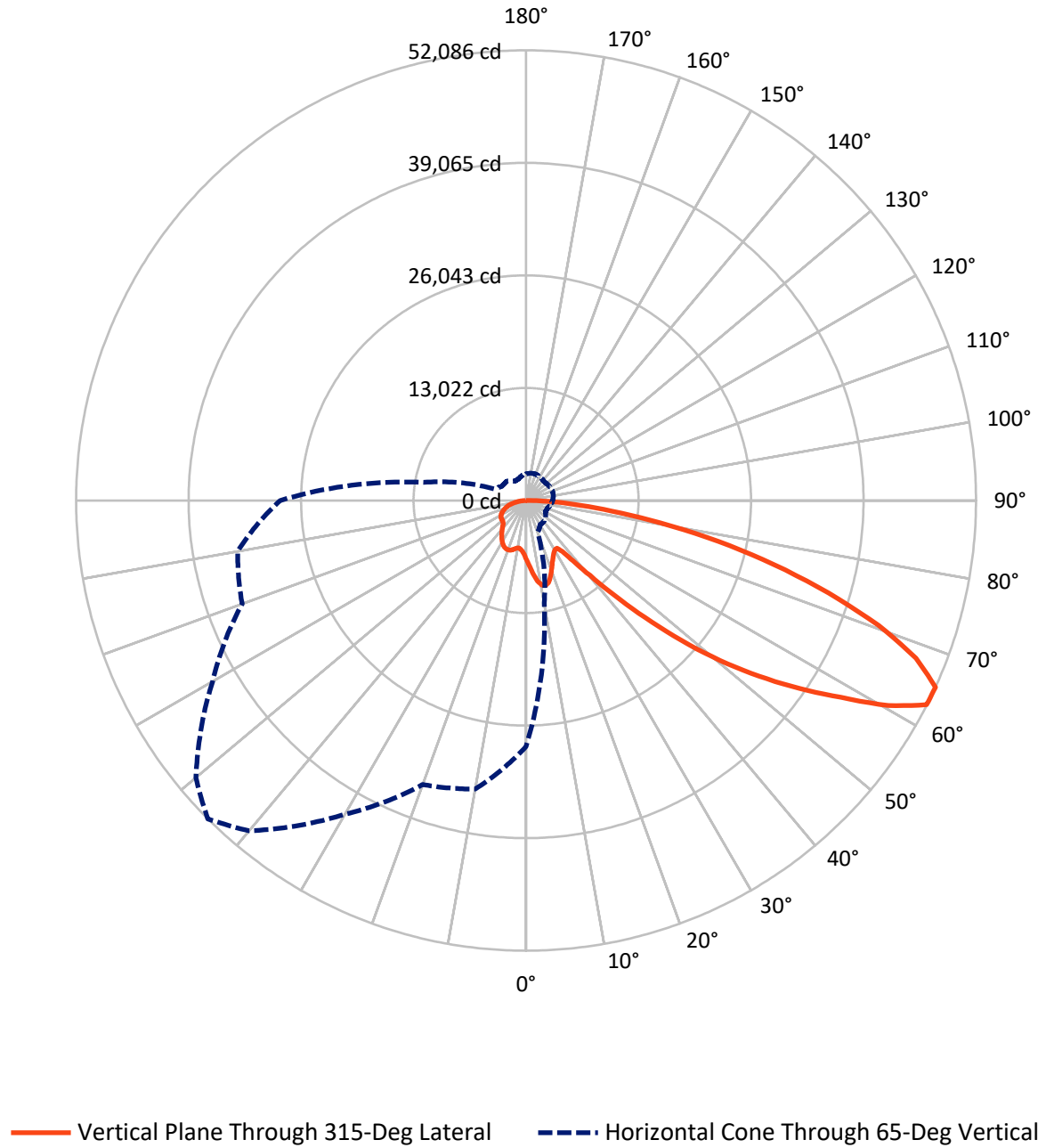
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	12683.9	0.0	12683.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	37223.2	0.0	37223.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	49907.0	0.0	49907.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.8	1.4
10°-20°	2137.1	4.3
20°-30°	3301.0	6.6
30°-40°	4183.2	8.4
40°-50°	6309.4	12.6
50°-60°	10193.8	20.4
60°-70°	12708.1	25.5
70°-80°	8333.4	16.7
80°-90°	2060.2	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	49907.0	100.0
0°-180°	49907.0	100.0



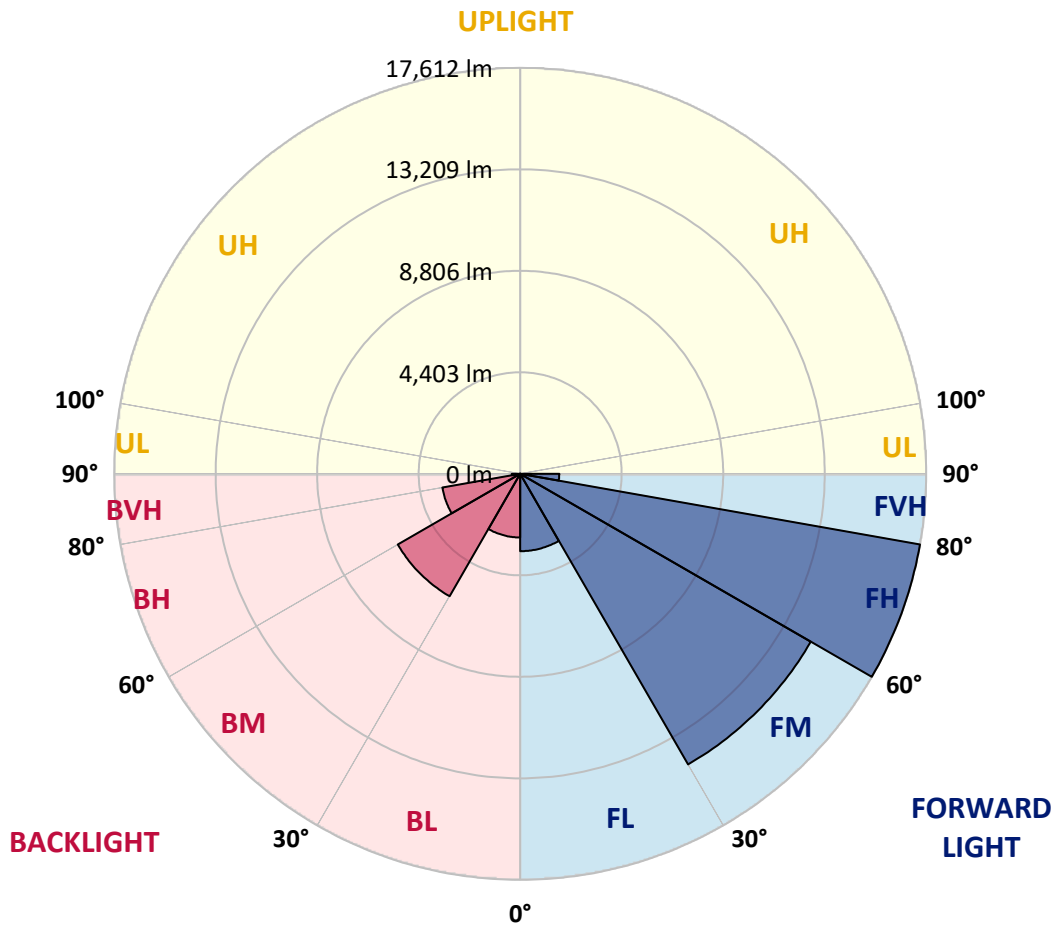
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3356.8	6.7			
FM (30°-60°)	14556.8	29.2			
FH (60°-80°)	17612.4	35.3			G5
FVH (80°-90°)	1697.2	3.4			G5
BL (0°-30°)	2762.1	5.5	B4/5000		
BM (30°-60°)	6129.6	12.3	B4/8500		
BH (60°-80°)	3429.1	6.9	B4/5000		G4/5000
BVH (80°-90°)	363.1	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°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
2.5°	7380.1	7323.5	7266.9	7206.6	7146.5	7086.0	7025.4	6967.5	6909.5	6853.4
5°	7935.8	7810.7	7685.6	7560.8	7436.2	7310.6	7185.2	7068.0	6950.9	6840.3
7.5°	8494.0	8287.6	8081.4	7890.7	7700.1	7514.4	7328.8	7165.2	7001.7	6850.8
10°	8922.0	8661.0	8400.0	8148.0	7896.3	7670.8	7445.2	7251.9	7058.0	6871.9
12.5°	9184.0	8897.2	8610.7	8325.2	8039.8	7773.8	7507.8	7289.0	7070.2	6874.5
15°	9343.3	9044.4	8745.5	8435.8	8126.1	7819.9	7513.6	7260.3	7007.0	6790.2
17.5°	9432.8	9129.7	8826.6	8488.8	8150.9	7795.4	7439.9	7135.2	6830.5	6575.6
20°	9531.6	9216.6	8901.4	8530.1	8158.8	7728.0	7297.2	6919.5	6541.9	6245.1
22.5°	9646.1	9324.3	9002.3	8585.9	8169.3	7645.3	7121.2	6666.5	6211.7	5873.8
25°	9793.6	9478.1	9162.9	8687.1	8210.9	7563.7	6916.6	6383.9	5851.4	5505.1
27.5°	9993.8	9693.0	9392.0	8845.1	8297.8	7509.1	6720.4	6125.6	5530.7	5215.5
30°	10263.7	9973.0	9682.5	9049.7	8416.9	7483.6	6549.8	5909.6	5269.4	5004.8
32.5°	10582.3	10294.5	10006.9	9263.3	8519.6	7452.0	6383.9	5723.4	5062.7	4849.4
35°	10969.4	10694.0	10418.3	9506.6	8594.9	7392.5	6190.6	5540.4	4890.2	4712.5
37.5°	11621.2	11269.9	10918.6	9779.1	8639.7	7290.6	5941.5	5325.0	4708.5	4553.1
40°	12606.1	12094.2	11582.2	10125.2	8667.8	7150.2	5632.8	5068.0	4503.1	4362.2
42.5°	13912.3	13173.3	12434.4	10577.8	8721.3	7005.4	5290.0	4784.4	4278.7	4148.9
45°	15525.2	14528.5	13531.7	11173.5	8815.3	6870.8	4926.6	4483.1	4039.6	3908.0
47.5°	17542.4	16139.6	14736.5	11808.2	8879.8	6759.7	4639.5	4244.8	3850.0	3680.2
50°	20186.3	18071.4	15956.3	12397.0	8837.7	6638.5	4439.4	4086.5	3733.6	3510.3
52.5°	23221.3	20100.7	16980.2	12779.4	8578.3	6433.9	4289.8	3982.2	3674.9	3418.2
55°	26452.5	21899.9	17347.5	12695.1	8042.4	6094.7	4147.1	3906.6	3666.2	3427.4
57.5°	29391.4	23175.0	16958.6	12102.1	7245.8	5616.5	3987.0	3817.1	3647.3	3436.6
60°	31167.6	23493.6	15819.4	10998.4	6177.4	4995.6	3813.7	3680.2	3546.7	3407.6
62.5°	30265.7	22151.9	14038.1	9506.0	4974.0	4252.4	3530.9	3442.1	3353.6	3336.5
65°	28460.5	20253.5	12046.5	7983.4	3920.6	3583.8	3247.0	3205.1	3163.2	3165.3
67.5°	26041.7	17994.3	9946.9	6491.9	3036.8	2941.2	2845.4	2868.8	2892.0	2886.2
70°	23135.7	15529.2	7922.6	5111.4	2300.3	2327.7	2354.8	2463.3	2571.5	2571.5
72.5°	19672.8	12856.8	6041.0	3907.7	1774.4	1856.8	1939.5	2093.3	2246.8	2272.6
75°	15292.2	9793.4	4294.5	2836.2	1377.8	1452.6	1527.4	1699.6	1871.8	1990.9
77.5°	10926.0	6854.5	2783.0	1921.9	1060.7	1111.6	1162.6	1329.9	1497.1	1693.3
80°	7151.0	4416.2	1681.4	1238.2	795.3	816.4	837.4	979.1	1120.5	1354.9
82.5°	4156.8	2556.0	955.4	761.6	568.3	572.0	576.2	680.5	784.8	984.9
85°	1828.9	1149.7	470.9	407.1	343.7	341.8	339.7	416.1	492.4	641.2
87.5°	566.2	376.6	187.0	168.8	150.6	148.8	146.9	178.0	209.4	271.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
6791.0	2.5°	6740.5	6690.2	6644.6	6599.3	6559.5	6519.8	6479.7	6440.0	6409.2	6378.1
6731.0	5°	6635.6	6540.1	6460.0	6380.2	6309.6	6239.1	6175.1	6110.8	6061.6	6012.1
6709.4	7.5°	6582.4	6455.8	6350.4	6245.1	6156.4	6067.4	5988.9	5910.7	5851.9	5793.5
6719.9	10°	6586.1	6452.4	6347.0	6241.7	6146.1	6050.2	5962.0	5873.8	5803.8	5733.4
6733.1	12.5°	6623.5	6514.5	6444.5	6374.9	6299.6	6224.8	6133.5	6042.3	5952.8	5863.3
6677.0	15°	6624.6	6572.4	6581.9	6591.4	6571.9	6552.4	6473.2	6393.9	6266.4	6139.0
6505.8	17.5°	6525.0	6544.0	6658.8	6773.6	6834.7	6895.6	6831.6	6767.8	6599.0	6430.2
6226.7	20°	6316.2	6405.7	6605.1	6804.7	6932.4	7060.1	7030.7	7000.9	6807.9	6615.1
5909.9	22.5°	6042.3	6174.8	6402.3	6630.4	6796.5	6962.7	6980.6	6998.3	6813.9	6629.6
5602.6	25°	5755.3	5908.0	6112.6	6317.5	6481.1	6644.6	6705.7	6766.5	6615.4	6464.5
5334.0	27.5°	5481.4	5628.9	5797.2	5965.2	6096.3	6227.5	6295.4	6363.6	6255.9	6148.5
5097.7	30°	5214.7	5332.1	5471.7	5611.3	5720.0	5829.0	5884.3	5939.6	5857.7	5775.6
4890.8	32.5°	4960.0	5029.3	5140.7	5252.3	5356.6	5461.1	5522.5	5584.1	5508.8	5433.2
4695.4	35°	4714.3	4733.5	4818.6	4903.4	5006.6	5110.1	5183.8	5257.6	5203.9	5150.4
4490.5	37.5°	4469.4	4448.3	4509.4	4570.3	4673.2	4776.5	4867.6	4958.7	4933.9	4909.2
4266.1	40°	4218.4	4170.8	4214.8	4258.7	4358.3	4457.8	4562.6	4667.7	4673.8	4679.6
4027.8	42.5°	3964.6	3901.4	3937.2	3973.3	4067.6	4162.1	4275.3	4388.6	4418.8	4449.1
3790.8	45°	3729.2	3667.8	3697.8	3728.4	3817.9	3907.4	4024.9	4142.3	4185.8	4229.2
3579.3	47.5°	3527.7	3476.1	3504.5	3532.7	3620.4	3707.8	3823.7	3939.6	3989.6	4039.6
3393.1	50°	3347.3	3301.8	3346.0	3390.5	3473.2	3555.6	3659.4	3763.1	3827.4	3891.6
3254.4	52.5°	3209.1	3164.0	3230.7	3297.0	3372.9	3448.4	3545.1	3642.0	3718.1	3794.2
3180.6	55°	3109.0	3037.6	3132.2	3226.4	3308.1	3389.7	3474.5	3559.0	3639.6	3720.5
3136.4	57.5°	3032.1	2927.8	3029.5	3131.1	3227.0	3322.8	3406.6	3490.6	3571.9	3653.1
3094.8	60°	2959.7	2824.3	2913.6	3002.6	3112.7	3222.8	3307.8	3393.1	3474.8	3556.4
3046.3	62.5°	2877.3	2708.5	2765.1	2821.7	2949.9	3078.4	3169.3	3260.2	3334.9	3409.7
2944.1	65°	2764.5	2584.7	2606.5	2628.1	2765.6	2903.3	2990.2	3077.1	3143.0	3208.8
2761.9	67.5°	2612.3	2462.8	2455.9	2449.1	2576.0	2703.2	2785.6	2867.8	2924.7	2981.5
2530.7	70°	2424.3	2317.9	2294.2	2270.5	2382.2	2493.8	2564.9	2636.0	2687.4	2738.7
2273.2	72.5°	2200.2	2127.3	2092.5	2058.0	2146.0	2233.7	2297.9	2362.2	2412.5	2462.8
1980.8	75°	1924.8	1868.4	1835.2	1801.8	1867.1	1932.4	1990.6	2048.8	2094.6	2140.4
1688.0	77.5°	1643.0	1597.9	1564.2	1530.5	1583.7	1636.7	1686.7	1736.7	1784.9	1832.8
1354.1	80°	1316.4	1278.5	1250.3	1221.9	1266.1	1310.1	1352.3	1394.4	1431.0	1467.3
996.0	82.5°	977.5	959.1	939.1	919.1	915.4	911.7	896.9	882.2	960.1	1038.1
655.7	85°	636.0	616.2	593.8	571.4	552.5	533.3	492.4	451.6	524.6	597.8
289.7	87.5°	281.8	273.9	269.7	265.4	264.7	263.9	232.8	201.5	232.0	262.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
6353.1	2.5°	6328.1	6308.6	6289.1	6271.2	6253.0	6230.6	6253.0	6271.2	6289.1	6308.6
5977.6	5°	5943.1	5918.6	5894.1	5875.4	5856.7	5838.2	5856.7	5875.4	5894.1	5918.6
5752.4	7.5°	5711.3	5683.1	5655.2	5638.4	5621.8	5609.1	5621.8	5638.4	5655.2	5683.1
5687.6	10°	5641.3	5614.7	5588.1	5573.9	5559.6	5553.8	5559.6	5573.9	5588.1	5614.7
5804.0	12.5°	5744.8	5715.0	5685.5	5673.4	5661.3	5659.2	5661.3	5673.4	5685.5	5715.0
6048.9	15°	5958.9	5917.5	5876.4	5860.6	5844.8	5843.5	5844.8	5860.6	5876.4	5917.5
6297.5	17.5°	6164.8	6103.7	6042.3	6022.3	6002.0	5998.9	6002.0	6022.3	6042.3	6103.7
6452.4	20°	6289.9	6211.7	6133.2	6108.2	6083.2	6075.3	6083.2	6108.2	6133.2	6211.7
6462.1	22.5°	6294.4	6211.9	6129.2	6101.6	6073.9	6062.1	6073.9	6101.6	6129.2	6211.9
6315.4	25°	6166.9	6095.3	6023.9	5997.8	5972.0	5956.8	5972.0	5997.8	6023.9	6095.3
6032.9	27.5°	5917.3	5869.3	5821.1	5809.3	5797.4	5793.5	5797.4	5809.3	5821.1	5869.3
5692.9	30°	5609.7	5585.2	5560.4	5560.4	5560.4	5564.4	5560.4	5560.4	5560.4	5585.2
5367.1	32.5°	5301.0	5285.0	5268.9	5271.0	5273.4	5277.3	5273.4	5271.0	5268.9	5285.0
5089.3	35°	5028.5	5004.0	4979.8	4974.5	4969.2	4966.6	4969.2	4974.5	4979.8	5004.0
4853.1	37.5°	4796.7	4752.2	4708.0	4684.6	4661.1	4648.0	4661.1	4684.6	4708.0	4752.2
4631.9	40°	4584.2	4519.4	4455.2	4411.5	4368.3	4342.5	4368.3	4411.5	4455.2	4519.4
4408.8	42.5°	4368.8	4288.5	4208.2	4144.7	4081.2	4039.6	4081.2	4144.7	4208.2	4288.5
4192.9	45°	4156.8	4064.9	3973.3	3898.7	3824.2	3776.3	3824.2	3898.7	3973.3	4064.9
4014.4	47.5°	3989.1	3907.4	3825.8	3756.8	3688.1	3642.0	3688.1	3756.8	3825.8	3907.4
3890.1	50°	3889.0	3823.7	3758.4	3694.7	3630.9	3586.7	3630.9	3694.7	3758.4	3823.7
3807.9	52.5°	3821.6	3768.4	3715.2	3658.1	3601.2	3560.4	3601.2	3658.1	3715.2	3768.4
3739.4	55°	3758.4	3712.0	3665.7	3615.7	3565.6	3528.8	3565.6	3615.7	3665.7	3712.0
3672.3	57.5°	3691.5	3644.6	3597.8	3548.2	3498.5	3460.3	3498.5	3548.2	3597.8	3644.6
3577.5	60°	3598.5	3552.7	3507.2	3456.1	3405.0	3365.5	3405.0	3456.1	3507.2	3552.7
3430.0	62.5°	3450.3	3408.9	3367.6	3313.9	3260.2	3212.7	3260.2	3313.9	3367.6	3408.9
3229.6	65°	3250.1	3210.4	3170.6	3118.5	3066.6	3025.8	3066.6	3118.5	3170.6	3210.4
3001.8	67.5°	3021.8	2985.2	2948.9	2900.4	2852.0	2815.1	2852.0	2900.4	2948.9	2985.2
2758.2	70°	2777.7	2748.0	2718.2	2671.8	2625.5	2583.4	2625.5	2671.8	2718.2	2748.0
2485.9	72.5°	2509.1	2484.4	2459.6	2415.4	2371.4	2330.6	2371.4	2415.4	2459.6	2484.4
2164.7	75°	2188.9	2176.8	2164.7	2127.5	2090.4	2051.4	2090.4	2127.5	2164.7	2176.8
1855.5	77.5°	1878.1	1861.3	1843.9	1806.5	1769.1	1738.0	1769.1	1806.5	1843.9	1861.3
1497.4	80°	1527.4	1520.0	1512.9	1462.6	1412.0	1353.6	1412.0	1462.6	1512.9	1520.0
1089.2	82.5°	1140.3	1137.1	1133.7	1091.3	1048.6	1011.2	1048.6	1091.3	1133.7	1137.1
661.0	85°	724.2	718.9	713.7	680.5	647.3	613.6	647.3	680.5	713.7	718.9
288.4	87.5°	313.9	307.6	300.7	283.9	266.5	250.2	266.5	283.9	300.7	307.6
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
6328.1	2.5°	6353.1	6378.1	6409.2	6440.0	6479.7	6519.8	6559.5	6599.3	6644.6	6690.2
5943.1	5°	5977.6	6012.1	6061.6	6110.8	6175.1	6239.1	6309.6	6380.2	6460.0	6540.1
5711.3	7.5°	5752.4	5793.5	5851.9	5910.7	5988.9	6067.4	6156.4	6245.1	6350.4	6455.8
5641.3	10°	5687.6	5733.4	5803.8	5873.8	5962.0	6050.2	6146.1	6241.7	6347.0	6452.4
5744.8	12.5°	5804.0	5863.3	5952.8	6042.3	6133.5	6224.8	6299.6	6374.9	6444.5	6514.5
5958.9	15°	6048.9	6139.0	6266.4	6393.9	6473.2	6552.4	6571.9	6591.4	6581.9	6572.4
6164.8	17.5°	6297.5	6430.2	6599.0	6767.8	6831.6	6895.6	6834.7	6773.6	6658.8	6544.0
6289.9	20°	6452.4	6615.1	6807.9	7000.9	7030.7	7060.1	6932.4	6804.7	6605.1	6405.7
6294.4	22.5°	6462.1	6629.6	6813.9	6998.3	6980.6	6962.7	6796.5	6630.4	6402.3	6174.8
6166.9	25°	6315.4	6464.5	6615.4	6766.5	6705.7	6644.6	6481.1	6317.5	6112.6	5908.0
5917.3	27.5°	6032.9	6148.5	6255.9	6363.6	6295.4	6227.5	6096.3	5965.2	5797.2	5628.9
5609.7	30°	5692.9	5775.6	5857.7	5939.6	5884.3	5829.0	5720.0	5611.3	5471.7	5332.1
5301.0	32.5°	5367.1	5433.2	5508.8	5584.1	5522.5	5461.1	5356.6	5252.3	5140.7	5029.3
5028.5	35°	5089.3	5150.4	5203.9	5257.6	5183.8	5110.1	5006.6	4903.4	4818.6	4733.5
4796.7	37.5°	4853.1	4909.2	4933.9	4958.7	4867.6	4776.5	4673.2	4570.3	4509.4	4448.3
4584.2	40°	4631.9	4679.6	4673.8	4667.7	4562.6	4457.8	4358.3	4258.7	4214.8	4170.8
4368.8	42.5°	4408.8	4449.1	4418.8	4388.6	4275.3	4162.1	4067.6	3973.3	3937.2	3901.4
4156.8	45°	4192.9	4229.2	4185.8	4142.3	4024.9	3907.4	3817.9	3728.4	3697.8	3667.8
3989.1	47.5°	4014.4	4039.6	3989.6	3939.6	3823.7	3707.8	3620.4	3532.7	3504.5	3476.1
3889.0	50°	3890.1	3891.6	3827.4	3763.1	3659.4	3555.6	3473.2	3390.5	3346.0	3301.8
3821.6	52.5°	3807.9	3794.2	3718.1	3642.0	3545.1	3448.4	3372.9	3297.0	3230.7	3164.0
3758.4	55°	3739.4	3720.5	3639.6	3559.0	3474.5	3389.7	3308.1	3226.4	3132.2	3037.6
3691.5	57.5°	3672.3	3653.1	3571.9	3490.6	3406.6	3322.8	3227.0	3131.1	3029.5	2927.8
3598.5	60°	3577.5	3556.4	3474.8	3393.1	3307.8	3222.8	3112.7	3002.6	2913.6	2824.3
3450.3	62.5°	3430.0	3409.7	3334.9	3260.2	3169.3	3078.4	2949.9	2821.7	2765.1	2708.5
3250.1	65°	3229.6	3208.8	3143.0	3077.1	2990.2	2903.3	2765.6	2628.1	2606.5	2584.7
3021.8	67.5°	3001.8	2981.5	2924.7	2867.8	2785.6	2703.2	2576.0	2449.1	2455.9	2462.8
2777.7	70°	2758.2	2738.7	2687.4	2636.0	2564.9	2493.8	2382.2	2270.5	2294.2	2317.9
2509.1	72.5°	2485.9	2462.8	2412.5	2362.2	2297.9	2233.7	2146.0	2058.0	2092.5	2127.3
2188.9	75°	2164.7	2140.4	2094.6	2048.8	1990.6	1932.4	1867.1	1801.8	1835.2	1868.4
1878.1	77.5°	1855.5	1832.8	1784.9	1736.7	1686.7	1636.7	1583.7	1530.5	1564.2	1597.9
1527.4	80°	1497.4	1467.3	1431.0	1394.4	1352.3	1310.1	1266.1	1221.9	1250.3	1278.5
1140.3	82.5°	1089.2	1038.1	960.1	882.2	896.9	911.7	915.4	919.1	939.1	959.1
724.2	85°	661.0	597.8	524.6	451.6	492.4	533.3	552.5	571.4	593.8	616.2
313.9	87.5°	288.4	262.8	232.0	201.5	232.8	263.9	264.7	265.4	269.7	273.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
6740.5	2.5°	6791.0	6853.4	6909.5	6967.5	7025.4	7086.0	7146.5	7206.6	7266.9	7323.5
6635.6	5°	6731.0	6840.3	6950.9	7068.0	7185.2	7310.6	7436.2	7560.8	7685.6	7810.7
6582.4	7.5°	6709.4	6850.8	7001.7	7165.2	7328.8	7514.4	7700.1	7890.7	8081.4	8287.6
6586.1	10°	6719.9	6871.9	7058.0	7251.9	7445.2	7670.8	7896.3	8148.0	8400.0	8661.0
6623.5	12.5°	6733.1	6874.5	7070.2	7289.0	7507.8	7773.8	8039.8	8325.2	8610.7	8897.2
6624.6	15°	6677.0	6790.2	7007.0	7260.3	7513.6	7819.9	8126.1	8435.8	8745.5	9044.4
6525.0	17.5°	6505.8	6575.6	6830.5	7135.2	7439.9	7795.4	8150.9	8488.8	8826.6	9129.7
6316.2	20°	6226.7	6245.1	6541.9	6919.5	7297.2	7728.0	8158.8	8530.1	8901.4	9216.6
6042.3	22.5°	5909.9	5873.8	6211.7	6666.5	7121.2	7645.3	8169.3	8585.9	9002.3	9324.3
5755.3	25°	5602.6	5505.1	5851.4	6383.9	6916.6	7563.7	8210.9	8687.1	9162.9	9478.1
5481.4	27.5°	5334.0	5215.5	5530.7	6125.6	6720.4	7509.1	8297.8	8845.1	9392.0	9693.0
5214.7	30°	5097.7	5004.8	5269.4	5909.6	6549.8	7483.6	8416.9	9049.7	9682.5	9973.0
4960.0	32.5°	4890.8	4849.4	5062.7	5723.4	6383.9	7452.0	8519.6	9263.3	10006.9	10294.5
4714.3	35°	4695.4	4712.5	4890.2	5540.4	6190.6	7392.5	8594.9	9506.6	10418.3	10694.0
4469.4	37.5°	4490.5	4553.1	4708.5	5325.0	5941.5	7290.6	8639.7	9779.1	10918.6	11269.9
4218.4	40°	4266.1	4362.2	4503.1	5068.0	5632.8	7150.2	8667.8	10125.2	11582.2	12094.2
3964.6	42.5°	4027.8	4148.9	4278.7	4784.4	5290.0	7005.4	8721.3	10577.8	12434.4	13173.3
3729.2	45°	3790.8	3908.0	4039.6	4483.1	4926.6	6870.8	8815.3	11173.5	13531.7	14528.5
3527.7	47.5°	3579.3	3680.2	3850.0	4244.8	4639.5	6759.7	8879.8	11808.2	14736.5	16139.6
3347.3	50°	3393.1	3510.3	3733.6	4086.5	4439.4	6638.5	8837.7	12397.0	15956.3	18071.4
3209.1	52.5°	3254.4	3418.2	3674.9	3982.2	4289.8	6433.9	8578.3	12779.4	16980.2	20100.7
3109.0	55°	3180.6	3427.4	3666.2	3906.6	4147.1	6094.7	8042.4	12695.1	17347.5	21899.9
3032.1	57.5°	3136.4	3436.6	3647.3	3817.1	3987.0	5616.5	7245.8	12102.1	16958.6	23175.0
2959.7	60°	3094.8	3407.6	3546.7	3680.2	3813.7	4995.6	6177.4	10998.4	15819.4	23493.6
2877.3	62.5°	3046.3	3336.5	3353.6	3442.1	3530.9	4252.4	4974.0	9506.0	14038.1	22151.9
2764.5	65°	2944.1	3165.3	3163.2	3205.1	3247.0	3583.8	3920.6	7983.4	12046.5	20253.5
2612.3	67.5°	2761.9	2886.2	2892.0	2868.8	2845.4	2941.2	3036.8	6491.9	9946.9	17994.3
2424.3	70°	2530.7	2571.5	2571.5	2463.3	2354.8	2327.7	2300.3	5111.4	7922.6	15529.2
2200.2	72.5°	2273.2	2272.6	2246.8	2093.3	1939.5	1856.8	1774.4	3907.7	6041.0	12856.8
1924.8	75°	1980.8	1990.9	1871.8	1699.6	1527.4	1452.6	1377.8	2836.2	4294.5	9793.4
1643.0	77.5°	1688.0	1693.3	1497.1	1329.9	1162.6	1111.6	1060.7	1921.9	2783.0	6854.5
1316.4	80°	1354.1	1354.9	1120.5	979.1	837.4	816.4	795.3	1238.2	1681.4	4416.2
977.5	82.5°	996.0	984.9	784.8	680.5	576.2	572.0	568.3	761.6	955.4	2556.0
636.0	85°	655.7	641.2	492.4	416.1	339.7	341.8	343.7	407.1	470.9	1149.7
281.8	87.5°	289.7	271.2	209.4	178.0	146.9	148.8	150.6	168.8	187.0	376.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
7380.1	2.5°	7408.0	7436.2	7476.0	7515.7	7539.4	7563.1	7575.0	7586.8	7581.6	7586.8
7935.8	5°	8033.5	8131.4	8228.3	8325.5	8378.2	8430.8	8462.7	8494.8	8519.1	8494.8
8494.0	7.5°	8653.1	8811.9	8954.9	9097.9	9184.0	9270.1	9316.7	9363.1	9385.4	9363.1
8922.0	10°	9110.0	9298.0	9465.8	9633.5	9735.2	9836.3	9881.6	9926.6	9943.7	9926.6
9184.0	12.5°	9387.8	9591.4	9743.1	9894.2	9967.9	10041.7	10066.4	10091.2	10093.8	10091.2
9343.3	15°	9519.2	9694.9	9789.9	9885.3	9887.9	9890.5	9864.2	9837.9	9806.8	9837.9
9432.8	17.5°	9551.6	9670.4	9672.2	9673.8	9567.1	9460.5	9362.8	9264.8	9195.8	9264.8
9531.6	20°	9572.9	9614.5	9489.5	9364.4	9128.9	8893.5	8722.1	8550.7	8445.3	8550.7
9646.1	22.5°	9591.9	9537.7	9278.5	9019.4	8673.1	8326.8	8112.5	7898.1	7781.7	7898.1
9793.6	25°	9622.4	9451.3	9057.8	8664.4	8243.9	7823.3	7597.9	7373.0	7262.9	7373.0
9993.8	27.5°	9687.8	9381.5	8860.3	8339.5	7873.3	7407.2	7185.5	6964.0	6860.0	6964.0
10263.7	30°	9807.3	9351.2	8709.7	8068.2	7582.6	7097.0	6891.3	6685.7	6588.8	6685.7
10582.3	32.5°	9957.4	9332.8	8607.0	7881.2	7424.9	6968.5	6807.1	6645.4	6575.6	6645.4
10969.4	35°	10204.7	9440.2	8683.9	7927.9	7610.8	7294.0	7256.3	7218.7	7212.9	7218.7
11621.2	37.5°	10721.6	9822.1	9134.7	8447.4	8426.9	8406.3	8578.6	8750.8	8840.3	8750.8
12606.1	40°	11627.8	10649.5	10138.3	9627.2	9988.0	10348.7	10767.4	11186.2	11394.7	11186.2
13912.3	42.5°	12941.6	11970.9	11676.5	11382.1	12168.9	12955.8	13717.4	14479.0	14926.1	14479.0
15525.2	45°	14653.3	13781.1	13651.3	13521.2	14781.8	16042.7	17294.1	18545.7	19305.5	18545.7
17542.4	47.5°	16694.2	15845.7	15819.4	15793.0	17611.7	19429.8	21261.8	23093.6	24169.4	23093.6
20186.3	50°	19138.5	18090.9	18095.4	18099.9	20443.6	22787.3	25205.6	27623.8	29085.9	27623.8
23221.3	52.5°	21952.6	20684.0	20555.8	20427.3	23226.9	26026.4	29018.5	32010.3	33762.8	32010.3
26452.5	55°	25199.0	23945.5	23445.4	22945.3	26061.2	29176.8	32743.7	36310.6	38395.0	36310.6
29391.4	57.5°	28708.8	28026.0	27022.9	26020.1	29166.2	32312.4	36352.5	40392.4	42977.1	40392.4
31167.6	60°	32227.8	33288.3	32042.7	30797.1	33774.4	36751.7	41077.4	45403.0	48196.5	45403.0
30265.7	62.5°	33162.7	36059.7	35919.3	35778.7	38506.1	41233.8	45349.3	49464.5	52046.5	49464.5
28460.5	65°	31179.5	33898.5	34436.5	34974.2	38440.3	41906.6	45897.3	49887.7	52086.0	49887.7
26041.7	67.5°	28627.7	31213.7	31466.0	31718.0	35329.4	38940.6	42948.4	46956.2	48678.4	46956.2
23135.7	70°	25948.5	28761.5	28874.2	28987.2	32216.8	35446.1	38895.1	42343.8	43301.0	42343.8
19672.8	72.5°	22900.6	26128.6	26209.7	26290.6	28817.3	31344.1	33927.2	36510.0	36606.9	36510.0
15292.2	75°	18632.9	21973.6	22273.6	22573.5	24539.3	26505.2	28323.5	30141.9	29654.7	30141.9
10926.0	77.5°	14044.5	17163.2	17592.4	18021.7	19516.1	21010.6	22300.2	23590.0	22752.6	23590.0
7151.0	80°	9774.7	12398.1	12931.6	13465.1	14593.8	15721.9	16399.2	17076.3	15729.3	17076.3
4156.8	82.5°	5950.4	7744.3	8340.2	8936.4	9713.3	10490.2	10772.7	11055.0	9996.4	11055.0
1828.9	85°	2780.9	3732.8	4239.8	4746.7	5385.0	6023.1	6183.5	6343.9	5495.9	6343.9
566.2	87.5°	886.1	1206.1	1488.9	1771.8	2090.9	2410.1	2423.8	2437.2	2046.2	2437.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
6862.6	0°	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6	6862.6
7575.0	2.5°	7563.1	7539.4	7515.7	7476.0	7436.2	7408.0	7380.1
8462.7	5°	8430.8	8378.2	8325.5	8228.3	8131.4	8033.5	7935.8
9316.7	7.5°	9270.1	9184.0	9097.9	8954.9	8811.9	8653.1	8494.0
9881.6	10°	9836.3	9735.2	9633.5	9465.8	9298.0	9110.0	8922.0
10066.4	12.5°	10041.7	9967.9	9894.2	9743.1	9591.4	9387.8	9184.0
9864.2	15°	9890.5	9887.9	9885.3	9789.9	9694.9	9519.2	9343.3
9362.8	17.5°	9460.5	9567.1	9673.8	9672.2	9670.4	9551.6	9432.8
8722.1	20°	8893.5	9128.9	9364.4	9489.5	9614.5	9572.9	9531.6
8112.5	22.5°	8326.8	8673.1	9019.4	9278.5	9537.7	9591.9	9646.1
7597.9	25°	7823.3	8243.9	8664.4	9057.8	9451.3	9622.4	9793.6
7185.5	27.5°	7407.2	7873.3	8339.5	8860.3	9381.5	9687.8	9993.8
6891.3	30°	7097.0	7582.6	8068.2	8709.7	9351.2	9807.3	10263.7
6807.1	32.5°	6968.5	7424.9	7881.2	8607.0	9332.8	9957.4	10582.3
7256.3	35°	7294.0	7610.8	7927.9	8683.9	9440.2	10204.7	10969.4
8578.6	37.5°	8406.3	8426.9	8447.4	9134.7	9822.1	10721.6	11621.2
10767.4	40°	10348.7	9988.0	9627.2	10138.3	10649.5	11627.8	12606.1
13717.4	42.5°	12955.8	12168.9	11382.1	11676.5	11970.9	12941.6	13912.3
17294.1	45°	16042.7	14781.8	13521.2	13651.3	13781.1	14653.3	15525.2
21261.8	47.5°	19429.8	17611.7	15793.0	15819.4	15845.7	16694.2	17542.4
25205.6	50°	22787.3	20443.6	18099.9	18095.4	18090.9	19138.5	20186.3
29018.5	52.5°	26026.4	23226.9	20427.3	20555.8	20684.0	21952.6	23221.3
32743.7	55°	29176.8	26061.2	22945.3	23445.4	23945.5	25199.0	26452.5
36352.5	57.5°	32312.4	29166.2	26020.1	27022.9	28026.0	28708.8	29391.4
41077.4	60°	36751.7	33774.4	30797.1	32042.7	33288.3	32227.8	31167.6
45349.3	62.5°	41233.8	38506.1	35778.7	35919.3	36059.7	33162.7	30265.7
45897.3	65°	41906.6	38440.3	34974.2	34436.5	33898.5	31179.5	28460.5
42948.4	67.5°	38940.6	35329.4	31718.0	31466.0	31213.7	28627.7	26041.7
38895.1	70°	35446.1	32216.8	28987.2	28874.2	28761.5	25948.5	23135.7
33927.2	72.5°	31344.1	28817.3	26290.6	26209.7	26128.6	22900.6	19672.8
28323.5	75°	26505.2	24539.3	22573.5	22273.6	21973.6	18632.9	15292.2
22300.2	77.5°	21010.6	19516.1	18021.7	17592.4	17163.2	14044.5	10926.0
16399.2	80°	15721.9	14593.8	13465.1	12931.6	12398.1	9774.7	7151.0
10772.7	82.5°	10490.2	9713.3	8936.4	8340.2	7744.3	5950.4	4156.8
6183.5	85°	6023.1	5385.0	4746.7	4239.8	3732.8	2780.9	1828.9
2423.8	87.5°	2410.1	2090.9	1771.8	1488.9	1206.1	886.1	566.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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