

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: P956854

Luminaire Tested: **GALN-SB9B-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956854
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-SB9B-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48884 lumens
Efficiency: N/A
Efficacy: 148.4 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

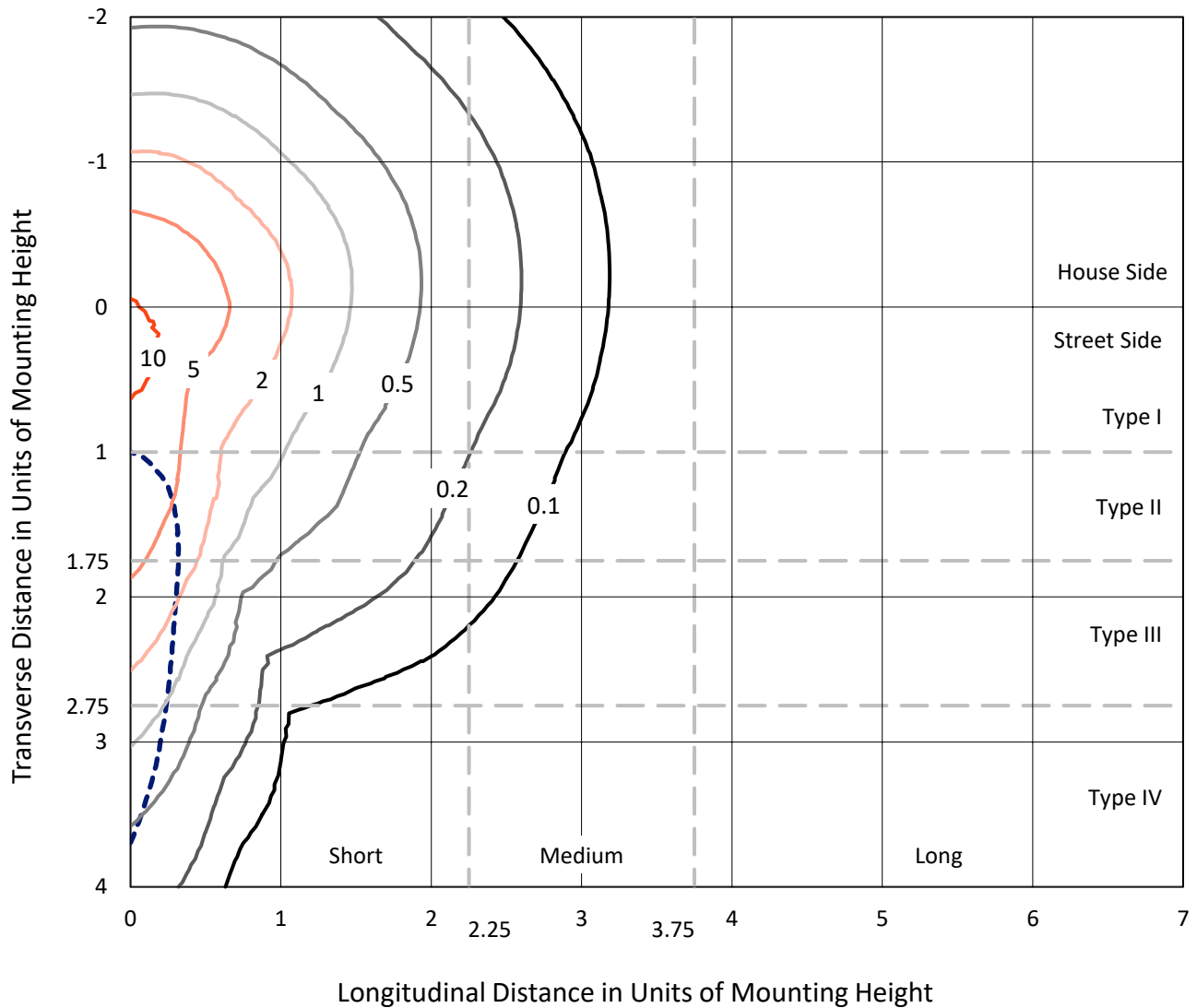
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

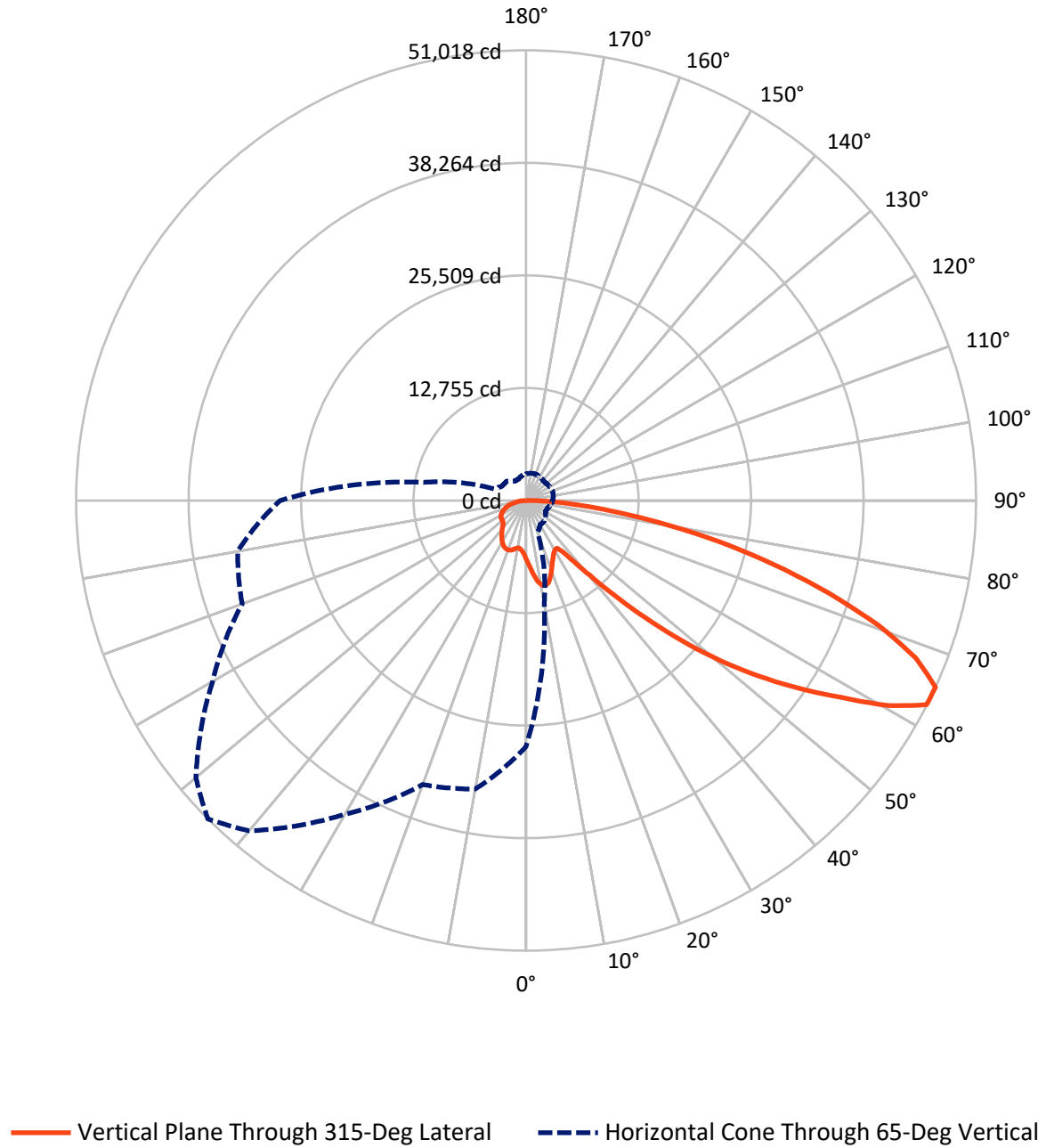
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB9B-850-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12423.8	0.0	12423.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	36460.2	0.0	36460.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	48884.0	0.0	48884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.8	1.4
10°-20°	2093.3	4.3
20°-30°	3233.4	6.6
30°-40°	4097.5	8.4
40°-50°	6180.1	12.6
50°-60°	9984.8	20.4
60°-70°	12447.6	25.5
70°-80°	8162.6	16.7
80°-90°	2018.0	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°	48884.0	100.0
0°-180°	48884.0	100.0

Coefficient of Utilization



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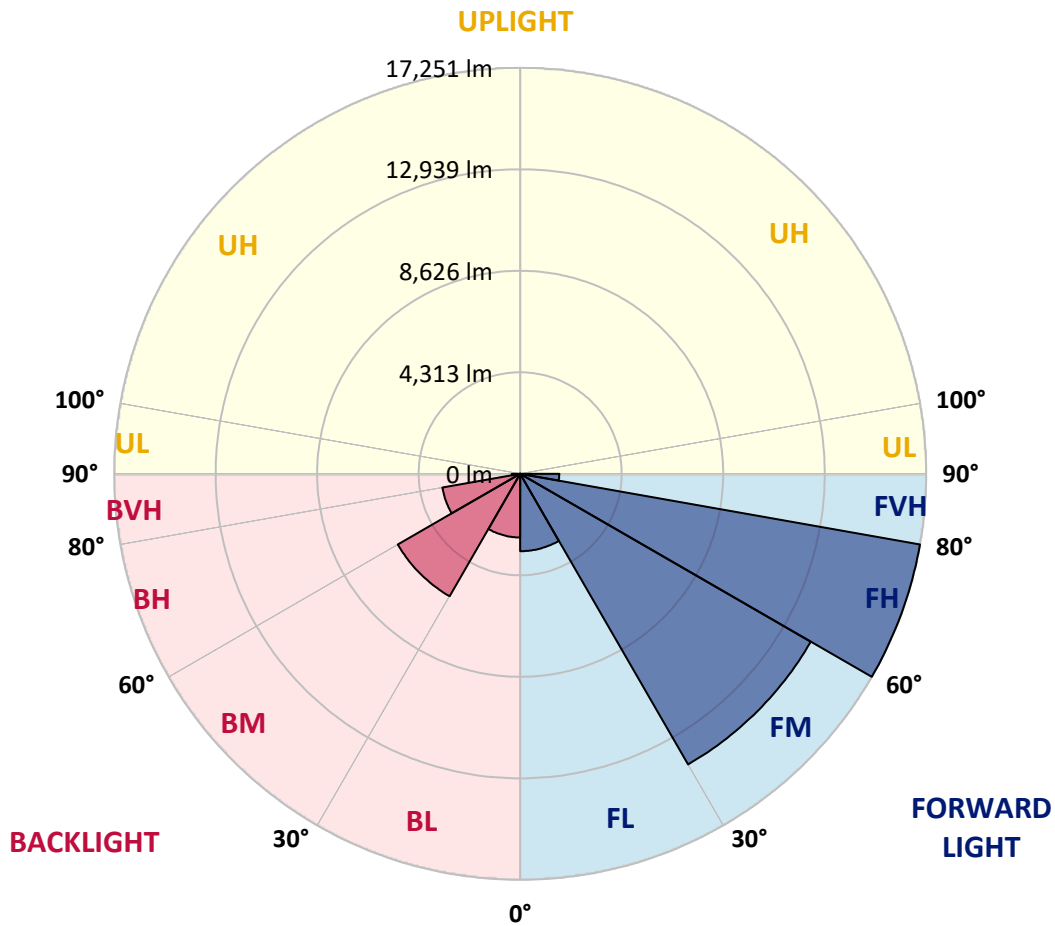
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3288.0	6.7			
FM (30°-60°)	14258.4	29.2			
FH (60°-80°)	17251.4	35.3			G5
FVH (80°-90°)	1662.4	3.4			G5
BL (0°-30°)	2705.4	5.5	B4/5000		
BM (30°-60°)	6004.0	12.3	B4/8500		
BH (60°-80°)	3358.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	355.6	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°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
2.5°	7228.8	7173.4	7117.9	7058.8	7000.0	6940.7	6881.4	6824.6	6767.9	6712.9
5°	7773.1	7650.6	7528.0	7405.8	7283.8	7160.7	7038.0	6923.2	6808.4	6700.0
7.5°	8319.9	8117.7	7915.7	7729.0	7542.2	7360.4	7178.5	7018.3	6858.2	6710.4
10°	8739.1	8483.5	8227.8	7981.0	7734.4	7513.6	7292.5	7103.2	6913.4	6731.0
12.5°	8995.7	8714.8	8434.2	8154.6	7875.0	7614.5	7353.9	7139.6	6925.2	6733.6
15°	9151.8	8859.0	8566.3	8262.9	7959.6	7659.6	7359.6	7111.5	6863.3	6651.0
17.5°	9239.5	8942.6	8645.7	8314.8	7983.8	7635.6	7287.4	6988.9	6690.5	6440.8
20°	9336.2	9027.7	8719.0	8355.3	7991.6	7569.6	7147.6	6777.7	6407.8	6117.1
22.5°	9448.4	9133.2	8817.8	8409.9	8001.9	7488.6	6975.3	6529.8	6084.3	5753.4
25°	9592.9	9283.9	8975.1	8509.0	8042.6	7408.6	6774.8	6253.0	5731.5	5392.3
27.5°	9788.9	9494.3	9199.5	8663.8	8127.8	7355.2	6582.7	6000.0	5417.3	5108.5
30°	10053.3	9768.5	9484.0	8864.2	8244.3	7330.2	6415.5	5788.5	5161.4	4902.2
32.5°	10365.4	10083.5	9801.8	9073.4	8344.9	7299.2	6253.0	5606.1	4958.9	4750.0
35°	10744.6	10474.8	10204.7	9311.7	8418.7	7241.0	6063.7	5426.8	4790.0	4615.9
37.5°	11383.0	11038.9	10694.8	9578.7	8462.6	7141.1	5819.7	5215.8	4612.0	4459.8
40°	12347.7	11846.2	11344.8	9917.6	8490.2	7003.6	5517.4	4964.1	4410.8	4272.8
42.5°	13627.1	12903.3	12179.5	10361.0	8542.5	6861.8	5181.5	4686.3	4191.0	4063.9
45°	15207.0	14230.7	13254.4	10944.5	8634.6	6730.0	4825.6	4391.2	3956.8	3827.9
47.5°	17182.8	15808.8	14434.4	11566.1	8697.8	6621.1	4544.4	4157.8	3771.1	3604.7
50°	19772.6	17701.0	15629.2	12142.9	8656.5	6502.5	4348.4	4002.7	3657.1	3438.4
52.5°	22745.3	19688.7	16632.1	12517.4	8402.5	6302.0	4201.9	3900.6	3599.6	3348.1
55°	25910.3	21451.0	16991.9	12434.9	7877.6	5969.8	4062.1	3826.6	3591.1	3357.1
57.5°	28788.9	22699.9	16611.0	11854.0	7097.3	5501.4	3905.2	3738.9	3572.5	3366.1
60°	30528.7	23012.0	15495.1	10773.0	6050.8	4893.2	3735.5	3604.7	3474.0	3337.8
62.5°	29645.3	21697.8	13750.4	9311.2	4872.0	4165.2	3458.5	3371.6	3284.9	3268.1
65°	27877.1	19838.3	11799.6	7819.8	3840.2	3510.3	3180.4	3139.4	3098.4	3100.5
67.5°	25507.9	17625.4	9743.0	6358.8	2974.6	2881.0	2787.1	2810.0	2832.7	2827.0
70°	22661.5	15210.8	7760.2	5006.7	2253.1	2280.0	2306.5	2412.8	2518.8	2518.8
72.5°	19269.6	12593.2	5917.2	3827.6	1738.0	1818.7	1899.7	2050.4	2200.8	2226.0
75°	14978.7	9592.6	4206.5	2778.0	1349.6	1422.8	1496.1	1664.8	1833.5	1950.0
77.5°	10702.0	6714.0	2725.9	1882.5	1039.0	1088.8	1138.8	1302.6	1466.4	1658.6
80°	7004.4	4325.7	1647.0	1212.8	779.0	799.6	820.3	959.0	1097.5	1327.1
82.5°	4071.6	2503.6	935.8	746.0	556.6	560.3	564.4	666.5	768.7	964.7
85°	1791.4	1126.2	461.2	398.8	336.6	334.8	332.7	407.5	482.4	628.1
87.5°	554.6	368.9	183.1	165.3	147.5	145.7	143.9	174.4	205.1	265.7
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°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
6651.8	2.5°	6602.3	6553.0	6508.4	6464.0	6425.1	6386.1	6346.9	6308.0	6277.8	6247.4
6593.0	5°	6499.6	6406.0	6327.6	6249.4	6180.3	6111.2	6048.5	5985.5	5937.3	5888.8
6571.8	7.5°	6447.5	6323.5	6220.3	6117.1	6030.2	5943.0	5866.1	5789.5	5732.0	5674.7
6582.2	10°	6451.1	6320.1	6216.9	6113.7	6020.1	5926.2	5839.8	5753.4	5684.8	5615.9
6595.1	12.5°	6487.8	6381.0	6312.4	6244.3	6170.5	6097.2	6007.7	5918.5	5830.8	5743.1
6540.1	15°	6488.8	6437.7	6447.0	6456.3	6437.2	6418.1	6340.5	6262.8	6138.0	6013.1
6372.5	17.5°	6391.3	6409.9	6522.3	6634.8	6694.6	6754.2	6691.5	6629.1	6463.8	6298.4
6099.0	20°	6186.7	6274.4	6469.7	6665.2	6790.3	6915.4	6886.5	6857.4	6668.3	6479.5
5788.7	22.5°	5918.5	6048.2	6271.1	6494.5	6657.2	6820.0	6837.5	6854.8	6674.3	6493.7
5487.7	25°	5637.3	5786.9	5987.4	6188.0	6348.2	6508.4	6568.2	6627.8	6479.8	6332.0
5224.6	27.5°	5369.1	5513.5	5678.3	5842.9	5971.4	6099.8	6166.4	6233.2	6127.7	6022.4
4993.2	30°	5107.8	5222.8	5359.5	5496.2	5602.8	5709.5	5763.7	5817.9	5737.7	5657.2
4790.5	32.5°	4858.3	4926.2	5035.3	5144.7	5246.8	5349.2	5409.3	5469.7	5395.9	5321.9
4599.1	35°	4617.7	4636.5	4719.8	4802.9	4904.0	5005.4	5077.6	5149.8	5097.2	5044.8
4398.4	37.5°	4377.8	4357.2	4417.0	4476.6	4577.4	4678.6	4767.8	4857.0	4832.8	4808.6
4178.7	40°	4132.0	4085.3	4128.4	4171.4	4268.9	4366.4	4469.1	4572.0	4578.0	4583.6
3945.2	42.5°	3883.3	3821.4	3856.5	3891.8	3984.2	4076.8	4187.7	4298.6	4328.3	4357.9
3713.1	45°	3652.7	3592.6	3622.0	3651.9	3739.6	3827.3	3942.4	4057.4	4100.0	4142.6
3505.9	47.5°	3455.4	3404.8	3432.7	3460.3	3546.2	3631.8	3745.3	3858.8	3907.8	3956.8
3323.6	50°	3278.7	3234.1	3277.4	3321.0	3402.0	3482.7	3584.4	3686.0	3748.9	3811.9
3187.6	52.5°	3143.3	3099.2	3164.4	3229.4	3303.7	3377.8	3472.4	3567.3	3641.9	3716.4
3115.4	55°	3045.3	2975.4	3068.0	3160.3	3240.3	3320.2	3403.3	3486.1	3565.0	3644.2
3072.1	57.5°	2969.9	2867.8	2967.4	3066.9	3160.8	3254.7	3336.7	3419.0	3498.7	3578.2
3031.3	60°	2899.0	2766.4	2853.9	2941.1	3048.9	3156.7	3240.0	3323.6	3403.5	3483.5
2983.9	62.5°	2818.3	2652.9	2708.4	2763.8	2889.5	3015.3	3104.3	3193.3	3266.6	3339.8
2883.8	65°	2707.9	2531.7	2553.1	2574.3	2708.9	2843.8	2928.9	3014.1	3078.5	3143.0
2705.3	67.5°	2558.8	2412.3	2405.6	2398.9	2523.2	2647.8	2728.5	2809.0	2864.7	2920.4
2478.8	70°	2374.6	2270.4	2247.2	2224.0	2333.3	2442.7	2512.4	2582.0	2632.3	2682.6
2226.6	72.5°	2155.1	2083.7	2049.6	2015.8	2102.0	2187.9	2250.8	2313.7	2363.0	2412.3
1940.2	75°	1885.3	1830.1	1797.6	1764.8	1828.8	1892.8	1949.8	2006.8	2051.7	2096.6
1653.4	77.5°	1609.3	1565.2	1532.2	1499.2	1551.3	1603.1	1652.1	1701.1	1748.3	1795.3
1326.3	80°	1289.5	1252.3	1224.7	1196.9	1240.2	1283.3	1324.5	1365.8	1401.7	1437.3
975.5	82.5°	957.5	939.4	919.8	900.2	896.6	893.0	878.6	864.1	940.5	1016.8
642.3	85°	622.9	603.6	581.7	559.7	541.2	522.3	482.4	442.4	513.8	585.5
283.7	87.5°	276.0	268.3	264.1	260.0	259.2	258.5	228.0	197.3	227.2	257.4
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°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
6222.9	2.5°	6198.3	6179.3	6160.2	6142.6	6124.8	6102.9	6124.8	6142.6	6160.2	6179.3
5855.0	5°	5821.2	5797.2	5773.3	5754.9	5736.6	5718.6	5736.6	5754.9	5773.3	5797.2
5634.5	7.5°	5594.2	5566.6	5539.3	5522.8	5506.5	5494.2	5506.5	5522.8	5539.3	5566.6
5571.0	10°	5525.6	5499.6	5473.5	5459.6	5445.7	5440.0	5445.7	5459.6	5473.5	5499.6
5685.0	12.5°	5627.0	5597.9	5569.0	5557.1	5545.2	5543.2	5545.2	5557.1	5569.0	5597.9
5924.9	15°	5836.7	5796.2	5756.0	5740.5	5725.0	5723.7	5725.0	5740.5	5756.0	5796.2
6168.4	17.5°	6038.4	5978.6	5918.5	5898.9	5879.0	5875.9	5879.0	5898.9	5918.5	5978.6
6320.1	20°	6160.9	6084.3	6007.5	5983.0	5958.5	5950.7	5958.5	5983.0	6007.5	6084.3
6329.6	22.5°	6165.3	6084.6	6003.6	5976.5	5949.4	5937.8	5949.4	5976.5	6003.6	6084.6
6186.0	25°	6040.5	5970.3	5900.4	5874.9	5849.6	5834.7	5849.6	5874.9	5900.4	5970.3
5909.2	27.5°	5796.0	5749.0	5701.8	5690.2	5678.6	5674.7	5678.6	5690.2	5701.8	5749.0
5576.2	30°	5494.7	5470.7	5446.4	5446.4	5446.4	5450.3	5446.4	5446.4	5446.4	5470.7
5257.1	32.5°	5192.4	5176.6	5160.9	5163.0	5165.3	5169.2	5165.3	5163.0	5160.9	5176.6
4985.0	35°	4925.4	4901.4	4877.7	4872.5	4867.4	4864.8	4867.4	4872.5	4877.7	4901.4
4753.6	37.5°	4698.4	4654.8	4611.5	4588.5	4565.6	4552.7	4565.6	4588.5	4611.5	4654.8
4536.9	40°	4490.3	4426.8	4363.9	4321.0	4278.7	4253.5	4278.7	4321.0	4363.9	4426.8
4318.5	42.5°	4279.3	4200.6	4121.9	4059.8	3997.6	3956.8	3997.6	4059.8	4121.9	4200.6
4107.0	45°	4071.6	3981.6	3891.8	3818.8	3745.8	3698.9	3745.8	3818.8	3891.8	3981.6
3932.1	47.5°	3907.3	3827.3	3747.4	3679.8	3612.5	3567.3	3612.5	3679.8	3747.4	3827.3
3810.3	50°	3809.3	3745.3	3681.3	3618.9	3556.5	3513.2	3556.5	3618.9	3681.3	3745.3
3729.8	52.5°	3743.3	3691.2	3639.0	3583.1	3527.4	3487.4	3527.4	3583.1	3639.0	3691.2
3662.8	55°	3681.3	3636.0	3590.6	3541.5	3492.5	3456.4	3492.5	3541.5	3590.6	3636.0
3597.0	57.5°	3615.8	3569.9	3524.0	3475.5	3426.8	3389.4	3426.8	3475.5	3524.0	3569.9
3504.1	60°	3524.8	3479.9	3435.3	3385.2	3335.2	3296.5	3335.2	3385.2	3435.3	3479.9
3359.7	62.5°	3379.6	3339.1	3298.6	3245.9	3193.3	3146.9	3193.3	3245.9	3298.6	3339.1
3163.4	65°	3183.5	3144.6	3105.6	3054.6	3003.7	2963.8	3003.7	3054.6	3105.6	3144.6
2940.3	67.5°	2959.9	2924.0	2888.4	2841.0	2793.5	2757.4	2793.5	2841.0	2888.4	2924.0
2701.7	70°	2720.8	2691.6	2662.5	2617.1	2571.7	2530.4	2571.7	2617.1	2662.5	2691.6
2435.0	72.5°	2457.7	2433.4	2409.2	2365.8	2322.8	2282.8	2322.8	2365.8	2409.2	2433.4
2120.3	75°	2144.0	2132.1	2120.3	2083.9	2047.5	2009.4	2047.5	2083.9	2120.3	2132.1
1817.5	77.5°	1839.6	1823.1	1806.1	1769.5	1732.9	1702.4	1732.9	1769.5	1806.1	1823.1
1466.7	80°	1496.1	1488.8	1481.9	1432.6	1383.1	1325.8	1383.1	1432.6	1481.9	1488.8
1066.8	82.5°	1116.9	1113.8	1110.4	1068.9	1027.1	990.5	1027.1	1068.9	1110.4	1113.8
647.4	85°	709.3	704.2	699.0	666.5	634.0	601.0	634.0	666.5	699.0	704.2
282.4	87.5°	307.5	301.3	294.6	278.1	261.0	245.0	261.0	278.1	294.6	301.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
6198.3	2.5°	6222.9	6247.4	6277.8	6308.0	6346.9	6386.1	6425.1	6464.0	6508.4	6553.0
5821.2	5°	5855.0	5888.8	5937.3	5985.5	6048.5	6111.2	6180.3	6249.4	6327.6	6406.0
5594.2	7.5°	5634.5	5674.7	5732.0	5789.5	5866.1	5943.0	6030.2	6117.1	6220.3	6323.5
5525.6	10°	5571.0	5615.9	5684.8	5753.4	5839.8	5926.2	6020.1	6113.7	6216.9	6320.1
5627.0	12.5°	5685.0	5743.1	5830.8	5918.5	6007.7	6097.2	6170.5	6244.3	6312.4	6381.0
5836.7	15°	5924.9	6013.1	6138.0	6262.8	6340.5	6418.1	6437.2	6456.3	6447.0	6437.7
6038.4	17.5°	6168.4	6298.4	6463.8	6629.1	6691.5	6754.2	6694.6	6634.8	6522.3	6409.9
6160.9	20°	6320.1	6479.5	6668.3	6857.4	6886.5	6915.4	6790.3	6665.2	6469.7	6274.4
6165.3	22.5°	6329.6	6493.7	6674.3	6854.8	6837.5	6820.0	6657.2	6494.5	6271.1	6048.2
6040.5	25°	6186.0	6332.0	6479.8	6627.8	6568.2	6508.4	6348.2	6188.0	5987.4	5786.9
5796.0	27.5°	5909.2	6022.4	6127.7	6233.2	6166.4	6099.8	5971.4	5842.9	5678.3	5513.5
5494.7	30°	5576.2	5657.2	5737.7	5817.9	5763.7	5709.5	5602.8	5496.2	5359.5	5222.8
5192.4	32.5°	5257.1	5321.9	5395.9	5469.7	5409.3	5349.2	5246.8	5144.7	5035.3	4926.2
4925.4	35°	4985.0	5044.8	5097.2	5149.8	5077.6	5005.4	4904.0	4802.9	4719.8	4636.5
4698.4	37.5°	4753.6	4808.6	4832.8	4857.0	4767.8	4678.6	4577.4	4476.6	4417.0	4357.2
4490.3	40°	4536.9	4583.6	4578.0	4572.0	4469.1	4366.4	4268.9	4171.4	4128.4	4085.3
4279.3	42.5°	4318.5	4357.9	4328.3	4298.6	4187.7	4076.8	3984.2	3891.8	3856.5	3821.4
4071.6	45°	4107.0	4142.6	4100.0	4057.4	3942.4	3827.3	3739.6	3651.9	3622.0	3592.6
3907.3	47.5°	3932.1	3956.8	3907.8	3858.8	3745.3	3631.8	3546.2	3460.3	3432.7	3404.8
3809.3	50°	3810.3	3811.9	3748.9	3686.0	3584.4	3482.7	3402.0	3321.0	3277.4	3234.1
3743.3	52.5°	3729.8	3716.4	3641.9	3567.3	3472.4	3377.8	3303.7	3229.4	3164.4	3099.2
3681.3	55°	3662.8	3644.2	3565.0	3486.1	3403.3	3320.2	3240.3	3160.3	3068.0	2975.4
3615.8	57.5°	3597.0	3578.2	3498.7	3419.0	3336.7	3254.7	3160.8	3066.9	2967.4	2867.8
3524.8	60°	3504.1	3483.5	3403.5	3323.6	3240.0	3156.7	3048.9	2941.1	2853.9	2766.4
3379.6	62.5°	3359.7	3339.8	3266.6	3193.3	3104.3	3015.3	2889.5	2763.8	2708.4	2652.9
3183.5	65°	3163.4	3143.0	3078.5	3014.1	2928.9	2843.8	2708.9	2574.3	2553.1	2531.7
2959.9	67.5°	2940.3	2920.4	2864.7	2809.0	2728.5	2647.8	2523.2	2398.9	2405.6	2412.3
2720.8	70°	2701.7	2682.6	2632.3	2582.0	2512.4	2442.7	2333.3	2224.0	2247.2	2270.4
2457.7	72.5°	2435.0	2412.3	2363.0	2313.7	2250.8	2187.9	2102.0	2015.8	2049.6	2083.7
2144.0	75°	2120.3	2096.6	2051.7	2006.8	1949.8	1892.8	1828.8	1764.8	1797.6	1830.1
1839.6	77.5°	1817.5	1795.3	1748.3	1701.1	1652.1	1603.1	1551.3	1499.2	1532.2	1565.2
1496.1	80°	1466.7	1437.3	1401.7	1365.8	1324.5	1283.3	1240.2	1196.9	1224.7	1252.3
1116.9	82.5°	1066.8	1016.8	940.5	864.1	878.6	893.0	896.6	900.2	919.8	939.4
709.3	85°	647.4	585.5	513.8	442.4	482.4	522.3	541.2	559.7	581.7	603.6
307.5	87.5°	282.4	257.4	227.2	197.3	228.0	258.5	259.2	260.0	264.1	268.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
6602.3	2.5°	6651.8	6712.9	6767.9	6824.6	6881.4	6940.7	7000.0	7058.8	7117.9	7173.4
6499.6	5°	6593.0	6700.0	6808.4	6923.2	7038.0	7160.7	7283.8	7405.8	7528.0	7650.6
6447.5	7.5°	6571.8	6710.4	6858.2	7018.3	7178.5	7360.4	7542.2	7729.0	7915.7	8117.7
6451.1	10°	6582.2	6731.0	6913.4	7103.2	7292.5	7513.6	7734.4	7981.0	8227.8	8483.5
6487.8	12.5°	6595.1	6733.6	6925.2	7139.6	7353.9	7614.5	7875.0	8154.6	8434.2	8714.8
6488.8	15°	6540.1	6651.0	6863.3	7111.5	7359.6	7659.6	7959.6	8262.9	8566.3	8859.0
6391.3	17.5°	6372.5	6440.8	6690.5	6988.9	7287.4	7635.6	7983.8	8314.8	8645.7	8942.6
6186.7	20°	6099.0	6117.1	6407.8	6777.7	7147.6	7569.6	7991.6	8355.3	8719.0	9027.7
5918.5	22.5°	5788.7	5753.4	6084.3	6529.8	6975.3	7488.6	8001.9	8409.9	8817.8	9133.2
5637.3	25°	5487.7	5392.3	5731.5	6253.0	6774.8	7408.6	8042.6	8509.0	8975.1	9283.9
5369.1	27.5°	5224.6	5108.5	5417.3	6000.0	6582.7	7355.2	8127.8	8663.8	9199.5	9494.3
5107.8	30°	4993.2	4902.2	5161.4	5788.5	6415.5	7330.2	8244.3	8864.2	9484.0	9768.5
4858.3	32.5°	4790.5	4750.0	4958.9	5606.1	6253.0	7299.2	8344.9	9073.4	9801.8	10083.5
4617.7	35°	4599.1	4615.9	4790.0	5426.8	6063.7	7241.0	8418.7	9311.7	10204.7	10474.8
4377.8	37.5°	4398.4	4459.8	4612.0	5215.8	5819.7	7141.1	8462.6	9578.7	10694.8	11038.9
4132.0	40°	4178.7	4272.8	4410.8	4964.1	5517.4	7003.6	8490.2	9917.6	11344.8	11846.2
3883.3	42.5°	3945.2	4063.9	4191.0	4686.3	5181.5	6861.8	8542.5	10361.0	12179.5	12903.3
3652.7	45°	3713.1	3827.9	3956.8	4391.2	4825.6	6730.0	8634.6	10944.5	13254.4	14230.7
3455.4	47.5°	3505.9	3604.7	3771.1	4157.8	4544.4	6621.1	8697.8	11566.1	14434.4	15808.8
3278.7	50°	3323.6	3438.4	3657.1	4002.7	4348.4	6502.5	8656.5	12142.9	15629.2	17701.0
3143.3	52.5°	3187.6	3348.1	3599.6	3900.6	4201.9	6302.0	8402.5	12517.4	16632.1	19688.7
3045.3	55°	3115.4	3357.1	3591.1	3826.6	4062.1	5969.8	7877.6	12434.9	16991.9	21451.0
2969.9	57.5°	3072.1	3366.1	3572.5	3738.9	3905.2	5501.4	7097.3	11854.0	16611.0	22699.9
2899.0	60°	3031.3	3337.8	3474.0	3604.7	3735.5	4893.2	6050.8	10773.0	15495.1	23012.0
2818.3	62.5°	2983.9	3268.1	3284.9	3371.6	3458.5	4165.2	4872.0	9311.2	13750.4	21697.8
2707.9	65°	2883.8	3100.5	3098.4	3139.4	3180.4	3510.3	3840.2	7819.8	11799.6	19838.3
2558.8	67.5°	2705.3	2827.0	2832.7	2810.0	2787.1	2881.0	2974.6	6358.8	9743.0	17625.4
2374.6	70°	2478.8	2518.8	2518.8	2412.8	2306.5	2280.0	2253.1	5006.7	7760.2	15210.8
2155.1	72.5°	2226.6	2226.0	2200.8	2050.4	1899.7	1818.7	1738.0	3827.6	5917.2	12593.2
1885.3	75°	1940.2	1950.0	1833.5	1664.8	1496.1	1422.8	1349.6	2778.0	4206.5	9592.6
1609.3	77.5°	1653.4	1658.6	1466.4	1302.6	1138.8	1088.8	1039.0	1882.5	2725.9	6714.0
1289.5	80°	1326.3	1327.1	1097.5	959.0	820.3	799.6	779.0	1212.8	1647.0	4325.7
957.5	82.5°	975.5	964.7	768.7	666.5	564.4	560.3	556.6	746.0	935.8	2503.6
622.9	85°	642.3	628.1	482.4	407.5	332.7	334.8	336.6	398.8	461.2	1126.2
276.0	87.5°	283.7	265.7	205.1	174.4	143.9	145.7	147.5	165.3	183.1	368.9
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°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
7228.8	2.5°	7256.2	7283.8	7322.7	7361.7	7384.9	7408.1	7419.7	7431.3	7426.2	7431.3
7773.1	5°	7868.8	7964.7	8059.7	8154.8	8206.4	8258.0	8289.2	8320.7	8344.4	8320.7
8319.9	7.5°	8475.7	8631.3	8771.3	8911.4	8995.7	9080.1	9125.7	9171.1	9193.1	9171.1
8739.1	10°	8923.2	9107.4	9271.7	9436.0	9535.6	9634.7	9679.0	9723.1	9739.9	9723.1
8995.7	12.5°	9195.4	9394.8	9543.3	9691.4	9763.6	9835.8	9860.1	9884.3	9886.9	9884.3
9151.8	15°	9324.1	9496.1	9589.3	9682.6	9685.2	9687.8	9662.0	9636.2	9605.8	9636.2
9239.5	17.5°	9355.8	9472.1	9474.0	9475.5	9371.0	9266.6	9170.9	9074.9	9007.3	9074.9
9336.2	20°	9376.7	9417.5	9294.9	9172.4	8941.8	8711.2	8543.3	8375.4	8272.2	8375.4
9448.4	22.5°	9395.3	9342.1	9088.3	8834.5	8495.3	8156.1	7946.2	7736.2	7622.2	7736.2
9592.9	25°	9425.2	9257.5	8872.2	8486.8	8074.9	7662.9	7442.1	7221.9	7114.0	7221.9
9788.9	27.5°	9489.2	9189.2	8678.7	8168.5	7712.0	7255.4	7038.2	6821.3	6719.4	6821.3
10053.3	30°	9606.3	9159.5	8531.2	7902.8	7427.2	6951.5	6750.1	6548.6	6453.7	6548.6
10365.4	32.5°	9753.3	9141.5	8430.6	7719.7	7272.7	6825.7	6667.5	6509.2	6440.8	6509.2
10744.6	35°	9995.5	9246.7	8505.9	7765.3	7454.8	7144.5	7107.6	7070.7	7065.0	7070.7
11383.0	37.5°	10501.9	9620.7	8947.5	8274.3	8254.1	8234.0	8402.7	8571.4	8659.1	8571.4
12347.7	40°	11389.4	10431.2	9930.5	9429.8	9783.2	10136.6	10546.7	10956.9	11161.2	10956.9
13627.1	42.5°	12676.3	11725.5	11437.2	11148.8	11919.5	12690.2	13436.2	14182.2	14620.2	14182.2
15207.0	45°	14352.9	13498.6	13371.5	13244.0	14478.8	15713.8	16939.6	18165.6	18909.7	18165.6
17182.8	47.5°	16352.0	15520.9	15495.1	15469.3	17250.7	19031.5	20826.0	22620.2	23673.9	22620.2
19772.6	50°	18746.2	17720.1	17724.5	17728.9	20024.6	22320.2	24688.9	27057.6	28489.7	27057.6
22745.3	52.5°	21502.6	20260.1	20134.4	20008.6	22750.8	25492.9	28423.7	31354.2	33070.8	31354.2
25910.3	55°	24682.5	23454.7	22964.8	22475.0	25527.0	28578.7	32072.5	35566.3	37608.0	35566.3
28788.9	57.5°	28120.3	27451.5	26469.0	25486.7	28568.4	31650.0	35607.4	39564.4	42096.1	39564.4
30528.7	60°	31567.2	32605.9	31385.9	30165.8	33082.1	35998.4	40235.4	44472.3	47208.6	44472.3
29645.3	62.5°	32482.9	35320.5	35183.0	35045.3	37716.8	40388.6	44419.7	48450.6	50979.7	48450.6
27877.1	65°	30540.3	33203.6	33730.6	34257.3	37652.3	41047.6	44956.5	48865.1	51018.4	48865.1
25507.9	67.5°	28040.9	30573.9	30821.0	31067.8	34605.3	38142.4	42068.0	45993.7	47680.6	45993.7
22661.5	70°	25416.6	28171.9	28282.3	28393.0	31556.4	34719.5	38097.8	41475.8	42413.4	41475.8
19269.6	72.5°	22431.2	25593.0	25672.5	25751.6	28226.6	30701.6	33231.7	35761.6	35856.5	35761.6
14978.7	75°	18251.0	21523.2	21817.0	22110.8	24036.3	25961.9	27743.0	29524.1	29046.9	29524.1
10702.0	77.5°	13756.6	16811.4	17231.8	17652.3	19116.1	20579.9	21843.1	23106.5	22286.2	23106.5
7004.4	80°	9574.3	12143.9	12666.5	13189.1	14294.6	15399.7	16063.1	16726.3	15406.9	16726.3
4071.6	82.5°	5828.5	7585.6	8169.3	8753.3	9514.2	10275.1	10551.9	10828.4	9791.5	10828.4
1791.4	85°	2723.9	3656.3	4152.9	4649.4	5274.7	5899.7	6056.7	6213.8	5383.3	6213.8
554.6	87.5°	868.0	1181.4	1458.4	1735.4	2048.1	2360.7	2374.1	2387.3	2004.2	2387.3
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°
6722.0	0°	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0	6722.0
7419.7	2.5°	7408.1	7384.9	7361.7	7322.7	7283.8	7256.2	7228.8
8289.2	5°	8258.0	8206.4	8154.8	8059.7	7964.7	7868.8	7773.1
9125.7	7.5°	9080.1	8995.7	8911.4	8771.3	8631.3	8475.7	8319.9
9679.0	10°	9634.7	9535.6	9436.0	9271.7	9107.4	8923.2	8739.1
9860.1	12.5°	9835.8	9763.6	9691.4	9543.3	9394.8	9195.4	8995.7
9662.0	15°	9687.8	9685.2	9682.6	9589.3	9496.1	9324.1	9151.8
9170.9	17.5°	9266.6	9371.0	9475.5	9474.0	9472.1	9355.8	9239.5
8543.3	20°	8711.2	8941.8	9172.4	9294.9	9417.5	9376.7	9336.2
7946.2	22.5°	8156.1	8495.3	8834.5	9088.3	9342.1	9395.3	9448.4
7442.1	25°	7662.9	8074.9	8486.8	8872.2	9257.5	9425.2	9592.9
7038.2	27.5°	7255.4	7712.0	8168.5	8678.7	9189.2	9489.2	9788.9
6750.1	30°	6951.5	7427.2	7902.8	8531.2	9159.5	9606.3	10053.3
6667.5	32.5°	6825.7	7272.7	7719.7	8430.6	9141.5	9753.3	10365.4
7107.6	35°	7144.5	7454.8	7765.3	8505.9	9246.7	9995.5	10744.6
8402.7	37.5°	8234.0	8254.1	8274.3	8947.5	9620.7	10501.9	11383.0
10546.7	40°	10136.6	9783.2	9429.8	9930.5	10431.2	11389.4	12347.7
13436.2	42.5°	12690.2	11919.5	11148.8	11437.2	11725.5	12676.3	13627.1
16939.6	45°	15713.8	14478.8	13244.0	13371.5	13498.6	14352.9	15207.0
20826.0	47.5°	19031.5	17250.7	15469.3	15495.1	15520.9	16352.0	17182.8
24688.9	50°	22320.2	20024.6	17728.9	17724.5	17720.1	18746.2	19772.6
28423.7	52.5°	25492.9	22750.8	20008.6	20134.4	20260.1	21502.6	22745.3
32072.5	55°	28578.7	25527.0	22475.0	22964.8	23454.7	24682.5	25910.3
35607.4	57.5°	31650.0	28568.4	25486.7	26469.0	27451.5	28120.3	28788.9
40235.4	60°	35998.4	33082.1	30165.8	31385.9	32605.9	31567.2	30528.7
44419.7	62.5°	40388.6	37716.8	35045.3	35183.0	35320.5	32482.9	29645.3
44956.5	65°	41047.6	37652.3	34257.3	33730.6	33203.6	30540.3	27877.1
42068.0	67.5°	38142.4	34605.3	31067.8	30821.0	30573.9	28040.9	25507.9
38097.8	70°	34719.5	31556.4	28393.0	28282.3	28171.9	25416.6	22661.5
33231.7	72.5°	30701.6	28226.6	25751.6	25672.5	25593.0	22431.2	19269.6
27743.0	75°	25961.9	24036.3	22110.8	21817.0	21523.2	18251.0	14978.7
21843.1	77.5°	20579.9	19116.1	17652.3	17231.8	16811.4	13756.6	10702.0
16063.1	80°	15399.7	14294.6	13189.1	12666.5	12143.9	9574.3	7004.4
10551.9	82.5°	10275.1	9514.2	8753.3	8169.3	7585.6	5828.5	4071.6
6056.7	85°	5899.7	5274.7	4649.4	4152.9	3656.3	2723.9	1791.4
2374.1	87.5°	2360.7	2048.1	1735.4	1458.4	1181.4	868.0	554.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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