

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: P954187

Luminaire Tested: **GALN-SB7C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954187
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-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53069 lumens
Efficiency: N/A
Efficacy: 151.4 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

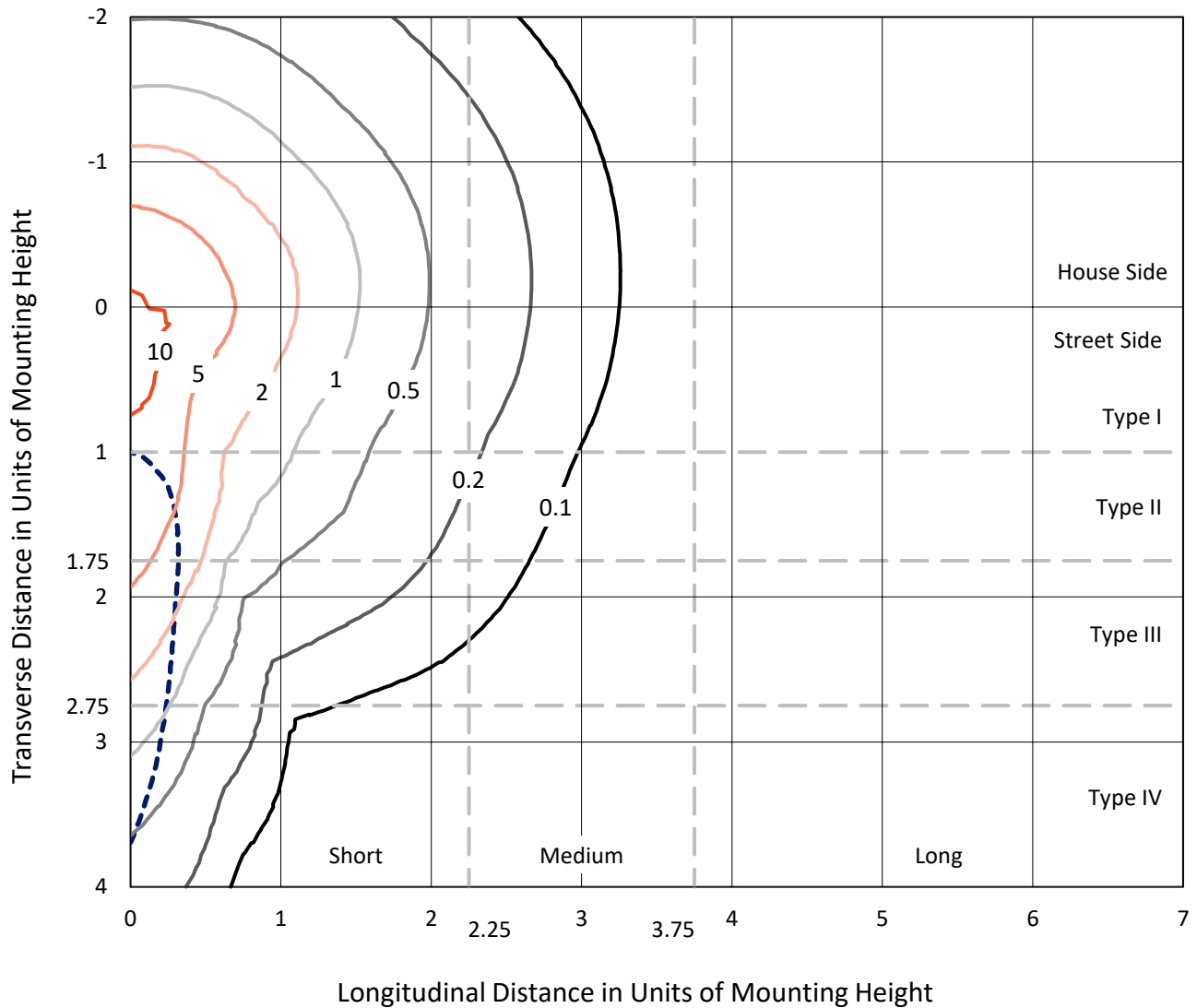
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

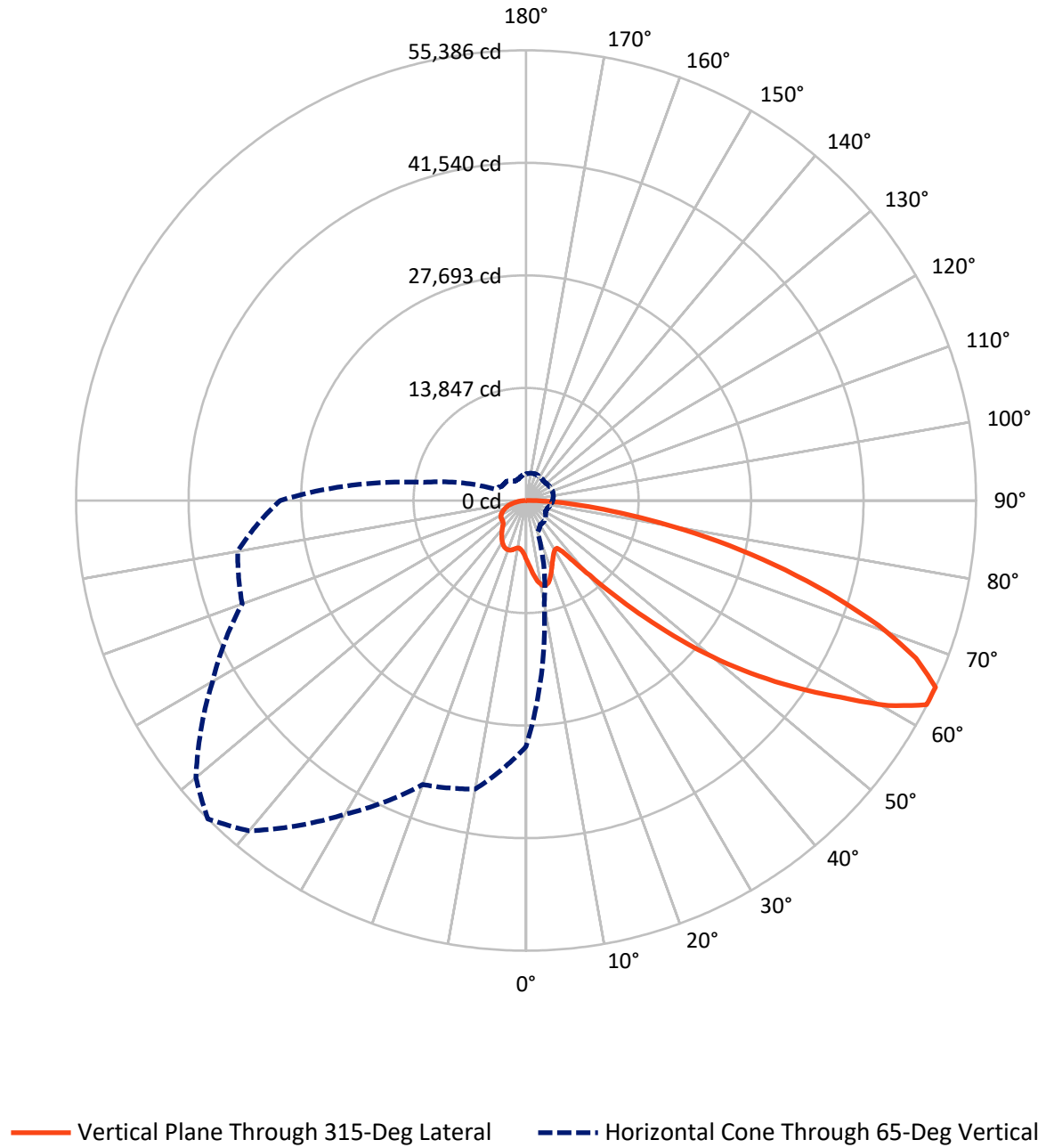
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	13487.5	0.0	13487.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	39581.5	0.0	39581.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	53069.0	0.0	53069.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.9	1.4
10°-20°	2272.5	4.3
20°-30°	3510.2	6.6
30°-40°	4448.3	8.4
40°-50°	6709.1	12.6
50°-60°	10839.6	20.4
60°-70°	13513.3	25.5
70°-80°	8861.4	16.7
80°-90°	2190.8	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°	53069.0	100.0
0°-180°	53069.0	100.0



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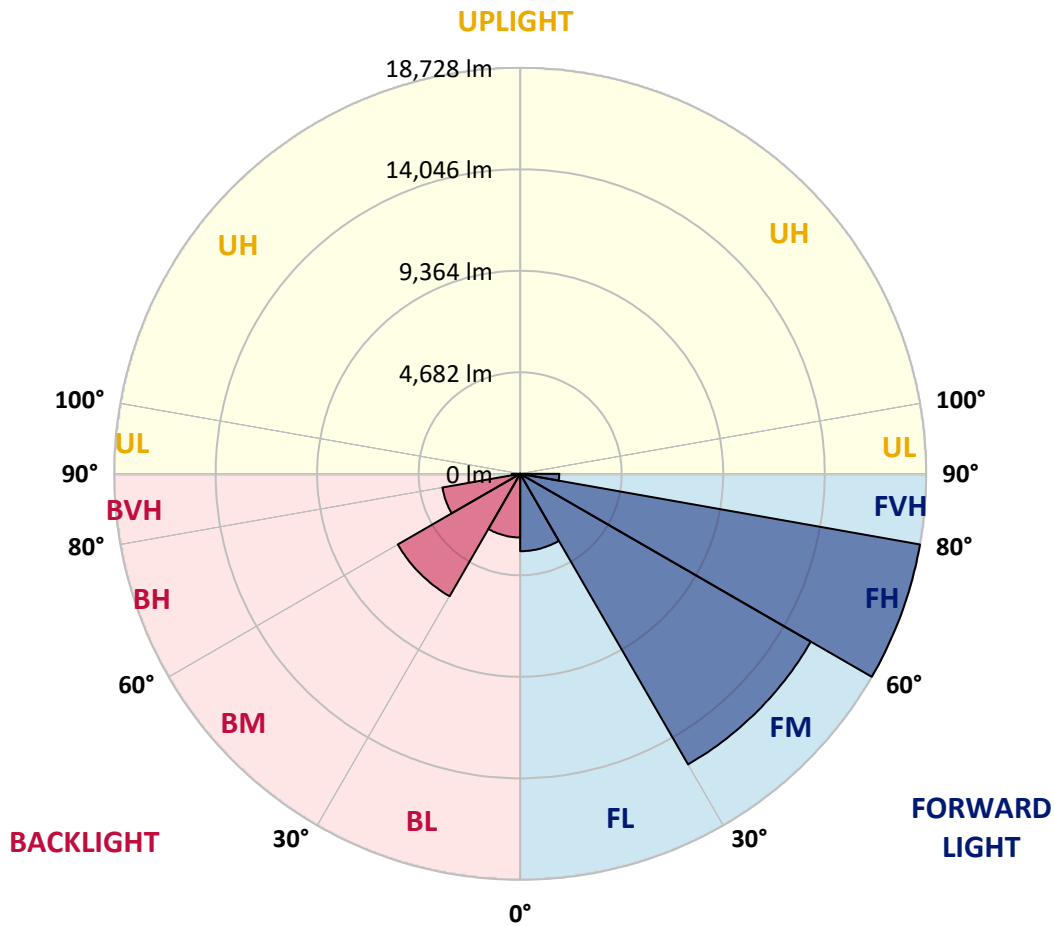
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3569.5	6.7			
FM (30°-60°)	15479.1	29.2			
FH (60°-80°)	18728.3	35.3			G5
FVH (80°-90°)	1804.7	3.4			G5
BL (0°-30°)	2937.1	5.5	B4/5000		
BM (30°-60°)	6518.0	12.3	B4/8500		
BH (60°-80°)	3646.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	386.1	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°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
2.5°	7847.7	7787.5	7727.3	7663.2	7599.3	7534.9	7470.5	7408.9	7347.3	7287.6
5°	8438.5	8305.5	8172.5	8039.8	7907.3	7773.8	7640.5	7515.9	7391.3	7273.6
7.5°	9032.2	8812.7	8593.4	8390.7	8187.9	7990.5	7793.1	7619.2	7445.3	7284.8
10°	9487.2	9209.7	8932.2	8664.2	8396.5	8156.8	7916.9	7711.3	7505.2	7307.2
12.5°	9765.9	9460.9	9156.2	8852.7	8549.2	8266.3	7983.5	7750.8	7518.1	7310.0
15°	9935.3	9617.4	9299.6	8970.3	8641.0	8315.3	7989.7	7720.3	7450.9	7220.4
17.5°	10030.5	9708.2	9385.9	9026.6	8667.3	8289.3	7911.3	7587.3	7263.3	6992.2
20°	10135.5	9800.6	9465.4	9070.6	8675.7	8217.6	7759.5	7357.9	6956.4	6640.8
22.5°	10257.3	9915.1	9572.6	9129.9	8686.9	8129.7	7572.4	7088.8	6605.2	6246.0
25°	10414.1	10078.7	9743.5	9237.5	8731.2	8042.9	7354.8	6788.4	6222.1	5853.9
27.5°	10626.9	10307.2	9987.1	9405.5	8823.6	7984.9	7146.2	6513.7	5881.1	5545.9
30°	10914.0	10604.8	10295.9	9623.0	8950.2	7957.7	6964.8	6284.0	5603.3	5321.9
32.5°	11252.8	10946.7	10640.9	9850.2	9059.4	7924.1	6788.4	6086.1	5383.5	5156.7
35°	11664.4	11371.5	11078.3	10108.9	9139.4	7860.9	6582.8	5891.4	5200.1	5011.0
37.5°	12357.5	11983.9	11610.4	10398.7	9187.1	7752.5	6317.9	5662.4	5006.8	4841.6
40°	13404.8	12860.4	12316.0	10766.7	9217.0	7603.2	5989.7	5389.1	4788.4	4638.6
42.5°	14793.7	14008.0	13222.2	11248.0	9273.9	7449.2	5625.1	5087.5	4549.8	4411.8
45°	16508.9	15449.0	14389.1	11881.4	9373.8	7306.1	5238.7	4767.1	4295.6	4155.6
47.5°	18653.8	17162.2	15670.2	12556.3	9442.4	7188.0	4933.5	4513.7	4094.0	3913.3
50°	21465.3	19216.4	16967.3	13182.4	9397.6	7059.1	4720.7	4345.4	3970.2	3732.7
52.5°	24692.6	21374.3	18056.0	13589.0	9121.8	6841.6	4561.6	4234.5	3907.7	3634.7
55°	28128.5	23287.4	18446.6	13499.4	8552.0	6480.9	4409.8	4154.2	3898.5	3644.5
57.5°	31253.6	24643.3	18033.0	12868.8	7704.9	5972.4	4239.6	4059.0	3878.3	3654.3
60°	33142.3	24982.1	16821.6	11695.2	6568.8	5312.1	4055.3	3913.3	3771.4	3623.5
62.5°	32183.2	23555.4	14927.6	10108.3	5289.1	4521.8	3754.6	3660.2	3566.1	3547.9
65°	30263.7	21536.7	12809.7	8489.2	4169.0	3810.9	3452.7	3408.2	3363.7	3365.9
67.5°	27691.6	19134.4	10577.1	6903.2	3229.2	3127.6	3025.7	3050.6	3075.2	3069.1
70°	24601.6	16513.1	8424.5	5435.3	2446.0	2475.1	2504.0	2619.4	2734.4	2734.4
72.5°	20919.2	13671.4	6423.8	4155.3	1886.8	1974.5	2062.4	2225.9	2389.2	2416.6
75°	16261.0	10413.8	4566.6	3015.9	1465.1	1544.6	1624.1	1807.3	1990.4	2117.0
77.5°	11618.2	7288.8	2959.3	2043.6	1127.9	1182.0	1236.3	1414.1	1591.9	1800.6
80°	7604.1	4696.0	1788.0	1316.7	845.7	868.1	890.5	1041.1	1191.5	1440.7
82.5°	4420.2	2717.9	1015.9	809.8	604.3	608.2	612.7	723.6	834.5	1047.3
85°	1944.8	1222.6	500.7	432.9	365.4	363.5	361.2	442.4	523.6	681.9
87.5°	602.1	400.4	198.8	179.5	160.2	158.2	156.3	189.3	222.6	288.4
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°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
7221.3	2.5°	7167.5	7114.0	7065.6	7017.4	6975.1	6932.9	6890.3	6848.0	6815.2	6782.2
7157.4	5°	7056.1	6954.4	6869.3	6784.4	6709.4	6634.3	6566.3	6498.0	6445.6	6393.0
7134.5	7.5°	6999.5	6864.8	6752.8	6640.8	6546.4	6451.8	6368.3	6285.2	6222.7	6160.5
7145.7	10°	7003.4	6861.2	6749.2	6637.1	6535.5	6433.6	6339.8	6246.0	6171.5	6096.7
7159.7	12.5°	7043.2	6927.3	6852.8	6778.8	6698.8	6619.2	6522.1	6425.2	6330.0	6234.8
7100.0	15°	7044.3	6988.9	6998.9	7009.0	6988.3	6967.6	6883.3	6799.0	6663.5	6527.9
6918.0	17.5°	6938.5	6958.6	7080.7	7202.8	7267.8	7332.4	7264.4	7196.6	7017.1	6837.6
6621.2	20°	6716.4	6811.6	7023.6	7235.8	7371.7	7507.5	7476.1	7444.5	7239.2	7034.2
6284.3	22.5°	6425.2	6566.0	6808.0	7050.5	7227.2	7403.9	7422.9	7441.7	7245.6	7049.6
5957.5	25°	6119.9	6282.4	6499.9	6717.8	6891.7	7065.6	7130.5	7195.2	7034.5	6874.0
5671.9	27.5°	5828.7	5985.5	6164.5	6343.1	6482.6	6622.0	6694.3	6766.8	6652.3	6538.0
5420.7	30°	5545.0	5669.9	5818.4	5966.8	6082.4	6198.3	6257.2	6316.0	6228.9	6141.5
5200.6	32.5°	5274.3	5347.9	5466.4	5585.1	5696.0	5807.2	5872.4	5937.9	5857.8	5777.5
4992.8	35°	5013.0	5033.4	5123.9	5214.1	5323.8	5433.9	5512.3	5590.7	5533.6	5476.7
4775.0	37.5°	4752.6	4730.2	4795.1	4859.8	4969.3	5079.1	5176.0	5272.9	5246.5	5220.2
4536.4	40°	4485.7	4435.0	4481.8	4528.6	4634.4	4740.3	4851.7	4963.4	4969.9	4976.0
4283.0	42.5°	4215.8	4148.6	4186.6	4225.0	4325.3	4425.8	4546.2	4666.6	4698.8	4731.0
4031.0	45°	3965.4	3900.2	3932.1	3964.6	4059.8	4155.0	4279.9	4404.8	4451.0	4497.2
3806.1	47.5°	3751.2	3696.3	3726.6	3756.5	3849.8	3942.7	4066.0	4189.2	4242.4	4295.6
3608.1	50°	3559.4	3511.0	3558.0	3605.3	3693.2	3780.9	3891.2	4001.6	4069.9	4138.2
3460.5	52.5°	3412.4	3364.5	3435.3	3505.9	3586.6	3666.9	3769.7	3872.7	3953.7	4034.6
3382.1	55°	3306.0	3230.1	3330.6	3430.9	3517.7	3604.5	3694.6	3784.5	3870.2	3956.2
3335.1	57.5°	3224.2	3113.3	3221.4	3329.5	3431.4	3533.4	3622.4	3711.7	3798.3	3884.5
3290.9	60°	3147.2	3003.3	3098.2	3192.8	3309.9	3426.9	3517.4	3608.1	3694.9	3781.7
3239.3	62.5°	3059.6	2880.1	2940.3	3000.5	3136.8	3273.5	3370.1	3466.7	3546.2	3625.8
3130.7	65°	2939.7	2748.4	2771.7	2794.6	2940.8	3087.3	3179.7	3272.1	3342.1	3412.1
2936.9	67.5°	2777.8	2618.8	2611.5	2604.2	2739.2	2874.5	2962.1	3049.5	3110.0	3170.4
2691.0	70°	2577.9	2464.8	2439.6	2414.4	2533.1	2651.8	2727.4	2803.0	2857.7	2912.3
2417.2	72.5°	2339.6	2262.0	2225.1	2188.4	2281.9	2375.2	2443.5	2511.8	2565.3	2618.8
2106.3	75°	2046.7	1986.8	1951.5	1915.9	1985.4	2054.8	2116.7	2178.6	2227.3	2276.0
1795.0	77.5°	1747.1	1699.2	1663.3	1627.5	1684.1	1740.4	1793.6	1846.8	1898.0	1949.0
1439.9	80°	1399.8	1359.5	1329.6	1299.3	1346.4	1393.1	1437.9	1482.7	1521.7	1560.3
1059.1	82.5°	1039.5	1019.9	998.6	977.3	973.4	969.4	953.8	938.1	1021.0	1103.9
697.3	85°	676.3	655.3	631.5	607.7	587.5	567.1	523.6	480.2	557.8	635.7
308.0	87.5°	299.6	291.2	286.7	282.3	281.4	280.6	247.5	214.2	246.7	279.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
6755.6	2.5°	6729.0	6708.3	6687.6	6668.5	6649.2	6625.4	6649.2	6668.5	6687.6	6708.3
6356.3	5°	6319.6	6293.6	6267.5	6247.6	6227.8	6208.1	6227.8	6247.6	6267.5	6293.6
6116.9	7.5°	6073.2	6043.2	6013.5	5995.6	5978.0	5964.5	5978.0	5995.6	6013.5	6043.2
6048.0	10°	5998.7	5970.4	5942.1	5927.0	5911.9	5905.7	5911.9	5927.0	5942.1	5970.4
6171.7	12.5°	6108.7	6077.1	6045.7	6032.9	6020.0	6017.7	6020.0	6032.9	6045.7	6077.1
6432.2	15°	6336.4	6292.4	6248.8	6232.0	6215.1	6213.7	6215.1	6232.0	6248.8	6292.4
6696.5	17.5°	6555.4	6490.4	6425.2	6403.9	6382.3	6379.0	6382.3	6403.9	6425.2	6490.4
6861.2	20°	6688.4	6605.2	6521.8	6495.2	6468.6	6460.2	6468.6	6495.2	6521.8	6605.2
6871.5	22.5°	6693.2	6605.5	6517.6	6488.2	6458.8	6446.2	6458.8	6488.2	6517.6	6605.5
6715.6	25°	6557.6	6481.5	6405.6	6377.8	6350.4	6334.2	6350.4	6377.8	6405.6	6481.5
6415.1	27.5°	6292.2	6241.2	6189.9	6177.3	6164.7	6160.5	6164.7	6177.3	6189.9	6241.2
6053.6	30°	5965.1	5939.0	5912.7	5912.7	5912.7	5916.9	5912.7	5912.7	5912.7	5939.0
5707.2	32.5°	5636.9	5619.8	5602.7	5605.0	5607.5	5611.7	5607.5	5605.0	5602.7	5619.8
5411.8	35°	5347.1	5321.0	5295.3	5289.7	5284.1	5281.3	5284.1	5289.7	5295.3	5321.0
5160.6	37.5°	5100.7	5053.3	5006.3	4981.4	4956.4	4942.4	4956.4	4981.4	5006.3	5053.3
4925.4	40°	4874.7	4805.8	4737.5	4691.0	4645.1	4617.6	4645.1	4691.0	4737.5	4805.8
4688.2	42.5°	4645.6	4560.2	4474.8	4407.3	4339.8	4295.6	4339.8	4407.3	4474.8	4560.2
4458.6	45°	4420.2	4322.5	4225.0	4145.8	4066.5	4015.6	4066.5	4145.8	4225.0	4322.5
4268.7	47.5°	4241.8	4155.0	4068.2	3994.8	3921.7	3872.7	3921.7	3994.8	4068.2	4155.0
4136.5	50°	4135.4	4066.0	3996.5	3928.7	3861.0	3813.9	3861.0	3928.7	3996.5	4066.0
4049.2	52.5°	4063.7	4007.2	3950.6	3889.8	3829.3	3785.9	3829.3	3889.8	3950.6	4007.2
3976.4	55°	3996.5	3947.2	3897.9	3844.7	3791.5	3752.3	3791.5	3844.7	3897.9	3947.2
3904.9	57.5°	3925.4	3875.5	3825.7	3773.1	3720.1	3679.5	3720.1	3773.1	3825.7	3875.5
3804.1	60°	3826.5	3777.8	3729.4	3675.0	3620.7	3578.7	3620.7	3675.0	3729.4	3777.8
3647.3	62.5°	3668.9	3624.9	3581.0	3523.8	3466.7	3416.3	3466.7	3523.8	3581.0	3624.9
3434.2	65°	3456.1	3413.8	3371.5	3316.1	3260.9	3217.5	3260.9	3316.1	3371.5	3413.8
3192.0	67.5°	3213.3	3174.4	3135.7	3084.2	3032.7	2993.5	3032.7	3084.2	3135.7	3174.4
2933.0	70°	2953.7	2922.1	2890.4	2841.1	2791.8	2747.0	2791.8	2841.1	2890.4	2922.1
2643.4	72.5°	2668.1	2641.8	2615.4	2568.4	2521.6	2478.2	2521.6	2568.4	2615.4	2641.8
2301.8	75°	2327.6	2314.7	2301.8	2262.3	2222.8	2181.4	2222.8	2262.3	2301.8	2314.7
1973.1	77.5°	1997.1	1979.2	1960.7	1921.0	1881.2	1848.2	1881.2	1921.0	1960.7	1979.2
1592.2	80°	1624.1	1616.3	1608.7	1555.3	1501.5	1439.3	1501.5	1555.3	1608.7	1616.3
1158.2	82.5°	1212.5	1209.1	1205.5	1160.4	1115.1	1075.3	1115.1	1160.4	1205.5	1209.1
702.9	85°	770.1	764.5	758.9	723.6	688.3	652.5	688.3	723.6	758.9	764.5
306.6	87.5°	333.8	327.1	319.8	301.9	283.4	266.0	283.4	301.9	319.8	327.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
6729.0	2.5°	6755.6	6782.2	6815.2	6848.0	6890.3	6932.9	6975.1	7017.4	7065.6	7114.0
6319.6	5°	6356.3	6393.0	6445.6	6498.0	6566.3	6634.3	6709.4	6784.4	6869.3	6954.4
6073.2	7.5°	6116.9	6160.5	6222.7	6285.2	6368.3	6451.8	6546.4	6640.8	6752.8	6864.8
5998.7	10°	6048.0	6096.7	6171.5	6246.0	6339.8	6433.6	6535.5	6637.1	6749.2	6861.2
6108.7	12.5°	6171.7	6234.8	6330.0	6425.2	6522.1	6619.2	6698.8	6778.8	6852.8	6927.3
6336.4	15°	6432.2	6527.9	6663.5	6799.0	6883.3	6967.6	6988.3	7009.0	6998.9	6988.9
6555.4	17.5°	6696.5	6837.6	7017.1	7196.6	7264.4	7332.4	7267.8	7202.8	7080.7	6958.6
6688.4	20°	6861.2	7034.2	7239.2	7444.5	7476.1	7507.5	7371.7	7235.8	7023.6	6811.6
6693.2	22.5°	6871.5	7049.6	7245.6	7441.7	7422.9	7403.9	7227.2	7050.5	6808.0	6566.0
6557.6	25°	6715.6	6874.0	7034.5	7195.2	7130.5	7065.6	6891.7	6717.8	6499.9	6282.4
6292.2	27.5°	6415.1	6538.0	6652.3	6766.8	6694.3	6622.0	6482.6	6343.1	6164.5	5985.5
5965.1	30°	6053.6	6141.5	6228.9	6316.0	6257.2	6198.3	6082.4	5966.8	5818.4	5669.9
5636.9	32.5°	5707.2	5777.5	5857.8	5937.9	5872.4	5807.2	5696.0	5585.1	5466.4	5347.9
5347.1	35°	5411.8	5476.7	5533.6	5590.7	5512.3	5433.9	5323.8	5214.1	5123.9	5033.4
5100.7	37.5°	5160.6	5220.2	5246.5	5272.9	5176.0	5079.1	4969.3	4859.8	4795.1	4730.2
4874.7	40°	4925.4	4976.0	4969.9	4963.4	4851.7	4740.3	4634.4	4528.6	4481.8	4435.0
4645.6	42.5°	4688.2	4731.0	4698.8	4666.6	4546.2	4425.8	4325.3	4225.0	4186.6	4148.6
4420.2	45°	4458.6	4497.2	4451.0	4404.8	4279.9	4155.0	4059.8	3964.6	3932.1	3900.2
4241.8	47.5°	4268.7	4295.6	4242.4	4189.2	4066.0	3942.7	3849.8	3756.5	3726.6	3696.3
4135.4	50°	4136.5	4138.2	4069.9	4001.6	3891.2	3780.9	3693.2	3605.3	3558.0	3511.0
4063.7	52.5°	4049.2	4034.6	3953.7	3872.7	3769.7	3666.9	3586.6	3505.9	3435.3	3364.5
3996.5	55°	3976.4	3956.2	3870.2	3784.5	3694.6	3604.5	3517.7	3430.9	3330.6	3230.1
3925.4	57.5°	3904.9	3884.5	3798.3	3711.7	3622.4	3533.4	3431.4	3329.5	3221.4	3113.3
3826.5	60°	3804.1	3781.7	3694.9	3608.1	3517.4	3426.9	3309.9	3192.8	3098.2	3003.3
3668.9	62.5°	3647.3	3625.8	3546.2	3466.7	3370.1	3273.5	3136.8	3000.5	2940.3	2880.1
3456.1	65°	3434.2	3412.1	3342.1	3272.1	3179.7	3087.3	2940.8	2794.6	2771.7	2748.4
3213.3	67.5°	3192.0	3170.4	3110.0	3049.5	2962.1	2874.5	2739.2	2604.2	2611.5	2618.8
2953.7	70°	2933.0	2912.3	2857.7	2803.0	2727.4	2651.8	2533.1	2414.4	2439.6	2464.8
2668.1	72.5°	2643.4	2618.8	2565.3	2511.8	2443.5	2375.2	2281.9	2188.4	2225.1	2262.0
2327.6	75°	2301.8	2276.0	2227.3	2178.6	2116.7	2054.8	1985.4	1915.9	1951.5	1986.8
1997.1	77.5°	1973.1	1949.0	1898.0	1846.8	1793.6	1740.4	1684.1	1627.5	1663.3	1699.2
1624.1	80°	1592.2	1560.3	1521.7	1482.7	1437.9	1393.1	1346.4	1299.3	1329.6	1359.5
1212.5	82.5°	1158.2	1103.9	1021.0	938.1	953.8	969.4	973.4	977.3	998.6	1019.9
770.1	85°	702.9	635.7	557.8	480.2	523.6	567.1	587.5	607.7	631.5	655.3
333.8	87.5°	306.6	279.5	246.7	214.2	247.5	280.6	281.4	282.3	286.7	291.2
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°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
7167.5	2.5°	7221.3	7287.6	7347.3	7408.9	7470.5	7534.9	7599.3	7663.2	7727.3	7787.5
7056.1	5°	7157.4	7273.6	7391.3	7515.9	7640.5	7773.8	7907.3	8039.8	8172.5	8305.5
6999.5	7.5°	7134.5	7284.8	7445.3	7619.2	7793.1	7990.5	8187.9	8390.7	8593.4	8812.7
7003.4	10°	7145.7	7307.2	7505.2	7711.3	7916.9	8156.8	8396.5	8664.2	8932.2	9209.7
7043.2	12.5°	7159.7	7310.0	7518.1	7750.8	7983.5	8266.3	8549.2	8852.7	9156.2	9460.9
7044.3	15°	7100.0	7220.4	7450.9	7720.3	7989.7	8315.3	8641.0	8970.3	9299.6	9617.4
6938.5	17.5°	6918.0	6992.2	7263.3	7587.3	7911.3	8289.3	8667.3	9026.6	9385.9	9708.2
6716.4	20°	6621.2	6640.8	6956.4	7357.9	7759.5	8217.6	8675.7	9070.6	9465.4	9800.6
6425.2	22.5°	6284.3	6246.0	6605.2	7088.8	7572.4	8129.7	8686.9	9129.9	9572.6	9915.1
6119.9	25°	5957.5	5853.9	6222.1	6788.4	7354.8	8042.9	8731.2	9237.5	9743.5	10078.7
5828.7	27.5°	5671.9	5545.9	5881.1	6513.7	7146.2	7984.9	8823.6	9405.5	9987.1	10307.2
5545.0	30°	5420.7	5321.9	5603.3	6284.0	6964.8	7957.7	8950.2	9623.0	10295.9	10604.8
5274.3	32.5°	5200.6	5156.7	5383.5	6086.1	6788.4	7924.1	9059.4	9850.2	10640.9	10946.7
5013.0	35°	4992.8	5011.0	5200.1	5891.4	6582.8	7860.9	9139.4	10108.9	11078.3	11371.5
4752.6	37.5°	4775.0	4841.6	5006.8	5662.4	6317.9	7752.5	9187.1	10398.7	11610.4	11983.9
4485.7	40°	4536.4	4638.6	4788.4	5389.1	5989.7	7603.2	9217.0	10766.7	12316.0	12860.4
4215.8	42.5°	4283.0	4411.8	4549.8	5087.5	5625.1	7449.2	9273.9	11248.0	13222.2	14008.0
3965.4	45°	4031.0	4155.6	4295.6	4767.1	5238.7	7306.1	9373.8	11881.4	14389.1	15449.0
3751.2	47.5°	3806.1	3913.3	4094.0	4513.7	4933.5	7188.0	9442.4	12556.3	15670.2	17162.2
3559.4	50°	3608.1	3732.7	3970.2	4345.4	4720.7	7059.1	9397.6	13182.4	16967.3	19216.4
3412.4	52.5°	3460.5	3634.7	3907.7	4234.5	4561.6	6841.6	9121.8	13589.0	18056.0	21374.3
3306.0	55°	3382.1	3644.5	3898.5	4154.2	4409.8	6480.9	8552.0	13499.4	18446.6	23287.4
3224.2	57.5°	3335.1	3654.3	3878.3	4059.0	4239.6	5972.4	7704.9	12868.8	18033.0	24643.3
3147.2	60°	3290.9	3623.5	3771.4	3913.3	4055.3	5312.1	6568.8	11695.2	16821.6	24982.1
3059.6	62.5°	3239.3	3547.9	3566.1	3660.2	3754.6	4521.8	5289.1	10108.3	14927.6	23555.4
2939.7	65°	3130.7	3365.9	3363.7	3408.2	3452.7	3810.9	4169.0	8489.2	12809.7	21536.7
2777.8	67.5°	2936.9	3069.1	3075.2	3050.6	3025.7	3127.6	3229.2	6903.2	10577.1	19134.4
2577.9	70°	2691.0	2734.4	2734.4	2619.4	2504.0	2475.1	2446.0	5435.3	8424.5	16513.1
2339.6	72.5°	2417.2	2416.6	2389.2	2225.9	2062.4	1974.5	1886.8	4155.3	6423.8	13671.4
2046.7	75°	2106.3	2117.0	1990.4	1807.3	1624.1	1544.6	1465.1	3015.9	4566.6	10413.8
1747.1	77.5°	1795.0	1800.6	1591.9	1414.1	1236.3	1182.0	1127.9	2043.6	2959.3	7288.8
1399.8	80°	1439.9	1440.7	1191.5	1041.1	890.5	868.1	845.7	1316.7	1788.0	4696.0
1039.5	82.5°	1059.1	1047.3	834.5	723.6	612.7	608.2	604.3	809.8	1015.9	2717.9
676.3	85°	697.3	681.9	523.6	442.4	361.2	363.5	365.4	432.9	500.7	1222.6
299.6	87.5°	308.0	288.4	222.6	189.3	156.3	158.2	160.2	179.5	198.8	400.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
7847.7	2.5°	7877.4	7907.3	7949.6	7991.9	8017.1	8042.3	8054.9	8067.5	8061.9	8067.5
8438.5	5°	8542.4	8646.6	8749.7	8853.0	8909.0	8965.0	8998.9	9033.0	9058.8	9033.0
9032.2	7.5°	9201.3	9370.2	9522.2	9674.3	9765.9	9857.4	9907.0	9956.3	9980.1	9956.3
9487.2	10°	9687.2	9887.1	10065.5	10243.9	10352.0	10459.5	10507.6	10555.5	10573.7	10555.5
9765.9	12.5°	9982.6	10199.1	10360.4	10521.1	10599.5	10677.9	10704.2	10730.5	10733.3	10730.5
9935.3	15°	10122.3	10309.1	10410.2	10511.6	10514.4	10517.2	10489.2	10461.2	10428.1	10461.2
10030.5	17.5°	10156.8	10283.1	10285.0	10286.7	10173.3	10059.9	9956.0	9851.8	9778.5	9851.8
10135.5	20°	10179.5	10223.7	10090.7	9957.7	9707.3	9457.0	9274.7	9092.4	8980.4	9092.4
10257.3	22.5°	10199.6	10141.9	9866.4	9590.8	9222.6	8854.4	8626.4	8398.5	8274.7	8398.5
10414.1	25°	10232.1	10050.1	9631.7	9213.4	8766.2	8319.0	8079.3	7840.1	7723.1	7840.1
10626.9	27.5°	10301.5	9975.9	9421.7	8867.8	8372.2	7876.5	7640.8	7405.3	7294.6	7405.3
10914.0	30°	10428.7	9943.7	9261.5	8579.4	8063.0	7546.7	7328.0	7109.3	7006.2	7109.3
11252.8	32.5°	10588.3	9924.1	9152.3	8380.6	7895.3	7410.0	7238.4	7066.4	6992.2	7066.4
11664.4	35°	10851.2	10038.3	9234.1	8430.1	8093.0	7756.1	7716.1	7676.0	7669.9	7676.0
12357.5	37.5°	11400.9	10444.4	9713.5	8982.6	8960.8	8938.9	9122.1	9305.2	9400.4	9305.2
13404.8	40°	12364.5	11324.2	10780.7	10237.1	10620.8	11004.4	11449.7	11894.9	12116.7	11894.9
14793.7	42.5°	13761.5	12729.4	12416.3	12103.2	12939.9	13776.7	14586.5	15396.3	15871.8	15396.3
16508.9	45°	15581.7	14654.3	14516.2	14377.9	15718.3	17059.1	18389.8	19720.7	20528.6	19720.7
18653.8	47.5°	17751.9	16849.6	16821.6	16793.6	18727.5	20660.8	22608.9	24556.8	25700.7	24556.8
21465.3	50°	20351.1	19237.1	19241.9	19246.7	21738.9	24231.1	26802.6	29374.0	30928.7	29374.0
24692.6	52.5°	23343.4	21994.5	21858.2	21721.5	24698.5	27675.4	30857.0	34038.4	35902.0	34038.4
28128.5	55°	26795.6	25462.6	24930.9	24399.1	27712.4	31025.3	34818.3	38611.2	40827.6	38611.2
31253.6	57.5°	30527.7	29801.6	28735.0	27668.7	31014.1	34359.6	38655.7	42951.6	45700.0	42951.6
33142.3	60°	34269.7	35397.4	34072.8	32748.3	35914.3	39080.3	43679.9	48279.6	51250.1	48279.6
32183.2	62.5°	35263.8	38344.3	38195.1	38045.6	40945.8	43846.3	48222.5	52598.4	55344.1	52598.4
30263.7	65°	33154.9	36046.2	36618.3	37190.1	40875.8	44561.7	48805.2	53048.4	55386.1	53048.4
27691.6	67.5°	30441.5	33191.3	33459.6	33727.6	37567.8	41407.8	45669.5	49931.2	51762.6	49931.2
24601.6	70°	27592.5	30583.7	30703.6	30823.7	34257.9	37691.9	41359.4	45026.6	46044.5	45026.6
20919.2	72.5°	24351.5	27784.1	27870.3	27956.3	30643.1	33329.9	36076.7	38823.2	38926.2	38823.2
16261.0	75°	19813.4	23365.8	23684.8	24003.7	26094.1	28184.5	30118.1	32051.6	31533.6	32051.6
11618.2	77.5°	14934.3	18250.6	18707.1	19163.5	20752.6	22341.8	23713.1	25084.6	24194.1	25084.6
7604.1	80°	10394.0	13183.6	13750.9	14318.2	15518.4	16718.0	17438.3	18158.2	16725.9	18158.2
4420.2	82.5°	6327.4	8235.0	8868.7	9502.6	10328.7	11154.8	11455.3	11755.4	10629.7	11755.4
1944.8	85°	2957.1	3969.4	4508.4	5047.4	5726.2	6404.7	6575.3	6745.8	5844.1	6745.8
602.1	87.5°	942.3	1282.5	1583.3	1884.0	2223.4	2562.8	2577.3	2591.6	2175.8	2591.6
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°
7297.4	0°	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4	7297.4
8054.9	2.5°	8042.3	8017.1	7991.9	7949.6	7907.3	7877.4	7847.7
8998.9	5°	8965.0	8909.0	8853.0	8749.7	8646.6	8542.4	8438.5
9907.0	7.5°	9857.4	9765.9	9674.3	9522.2	9370.2	9201.3	9032.2
10507.6	10°	10459.5	10352.0	10243.9	10065.5	9887.1	9687.2	9487.2
10704.2	12.5°	10677.9	10599.5	10521.1	10360.4	10199.1	9982.6	9765.9
10489.2	15°	10517.2	10514.4	10511.6	10410.2	10309.1	10122.3	9935.3
9956.0	17.5°	10059.9	10173.3	10286.7	10285.0	10283.1	10156.8	10030.5
9274.7	20°	9457.0	9707.3	9957.7	10090.7	10223.7	10179.5	10135.5
8626.4	22.5°	8854.4	9222.6	9590.8	9866.4	10141.9	10199.6	10257.3
8079.3	25°	8319.0	8766.2	9213.4	9631.7	10050.1	10232.1	10414.1
7640.8	27.5°	7876.5	8372.2	8867.8	9421.7	9975.9	10301.5	10626.9
7328.0	30°	7546.7	8063.0	8579.4	9261.5	9943.7	10428.7	10914.0
7238.4	32.5°	7410.0	7895.3	8380.6	9152.3	9924.1	10588.3	11252.8
7716.1	35°	7756.1	8093.0	8430.1	9234.1	10038.3	10851.2	11664.4
9122.1	37.5°	8938.9	8960.8	8982.6	9713.5	10444.4	11400.9	12357.5
11449.7	40°	11004.4	10620.8	10237.1	10780.7	11324.2	12364.5	13404.8
14586.5	42.5°	13776.7	12939.9	12103.2	12416.3	12729.4	13761.5	14793.7
18389.8	45°	17059.1	15718.3	14377.9	14516.2	14654.3	15581.7	16508.9
22608.9	47.5°	20660.8	18727.5	16793.6	16821.6	16849.6	17751.9	18653.8
26802.6	50°	24231.1	21738.9	19246.7	19241.9	19237.1	20351.1	21465.3
30857.0	52.5°	27675.4	24698.5	21721.5	21858.2	21994.5	23343.4	24692.6
34818.3	55°	31025.3	27712.4	24399.1	24930.9	25462.6	26795.6	28128.5
38655.7	57.5°	34359.6	31014.1	27668.7	28735.0	29801.6	30527.7	31253.6
43679.9	60°	39080.3	35914.3	32748.3	34072.8	35397.4	34269.7	33142.3
48222.5	62.5°	43846.3	40945.8	38045.6	38195.1	38344.3	35263.8	32183.2
48805.2	65°	44561.7	40875.8	37190.1	36618.3	36046.2	33154.9	30263.7
45669.5	67.5°	41407.8	37567.8	33727.6	33459.6	33191.3	30441.5	27691.6
41359.4	70°	37691.9	34257.9	30823.7	30703.6	30583.7	27592.5	24601.6
36076.7	72.5°	33329.9	30643.1	27956.3	27870.3	27784.1	24351.5	20919.2
30118.1	75°	28184.5	26094.1	24003.7	23684.8	23365.8	19813.4	16261.0
23713.1	77.5°	22341.8	20752.6	19163.5	18707.1	18250.6	14934.3	11618.2
17438.3	80°	16718.0	15518.4	14318.2	13750.9	13183.6	10394.0	7604.1
11455.3	82.5°	11154.8	10328.7	9502.6	8868.7	8235.0	6327.4	4420.2
6575.3	85°	6404.7	5726.2	5047.4	4508.4	3969.4	2957.1	1944.8
2577.3	87.5°	2562.8	2223.4	1884.0	1583.3	1282.5	942.3	602.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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