

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: P955762

Luminaire Tested: **GALN-SB8C-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955762
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-SB8C-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57718 lumens
Efficiency: N/A
Efficacy: 144.4 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

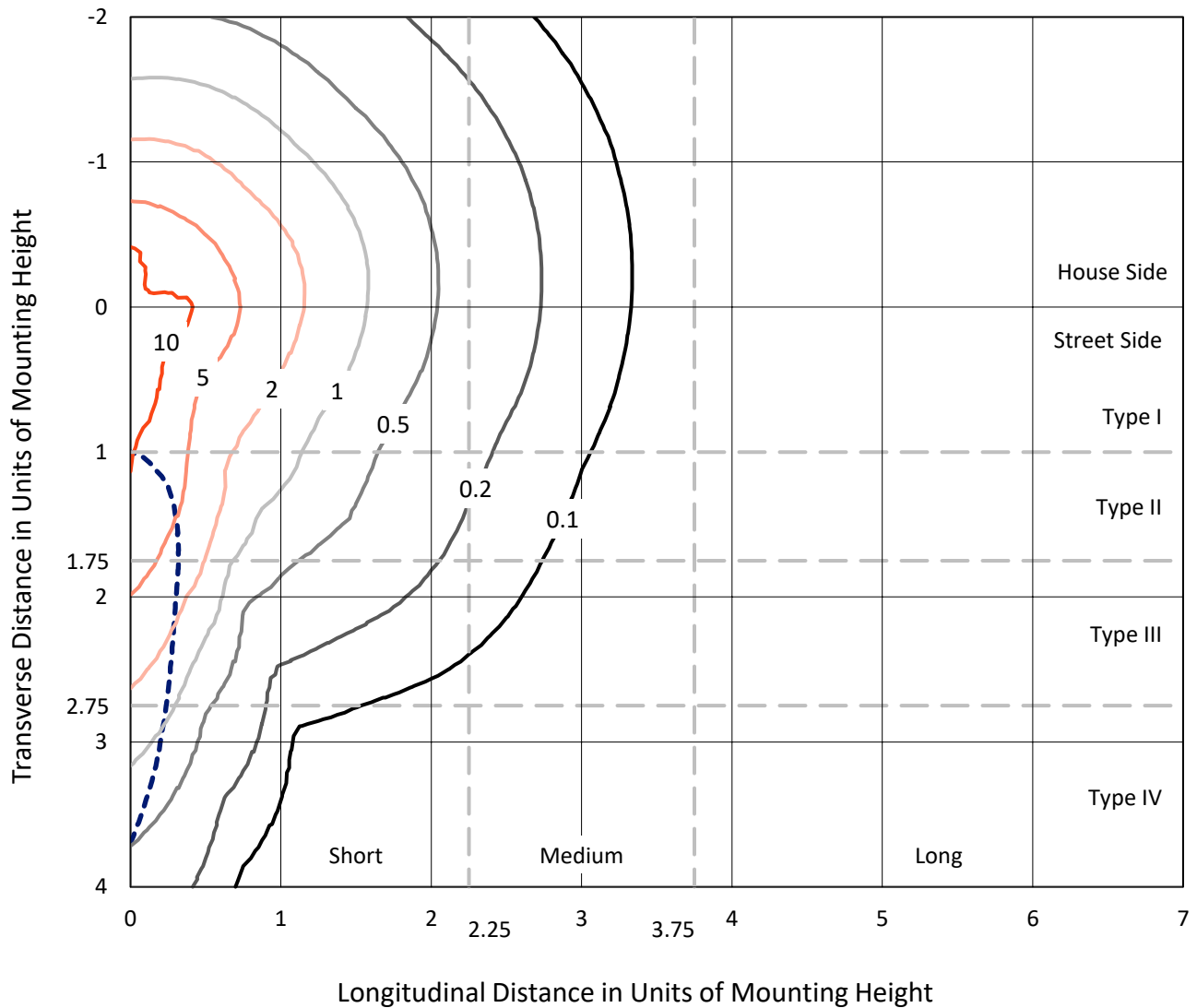
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

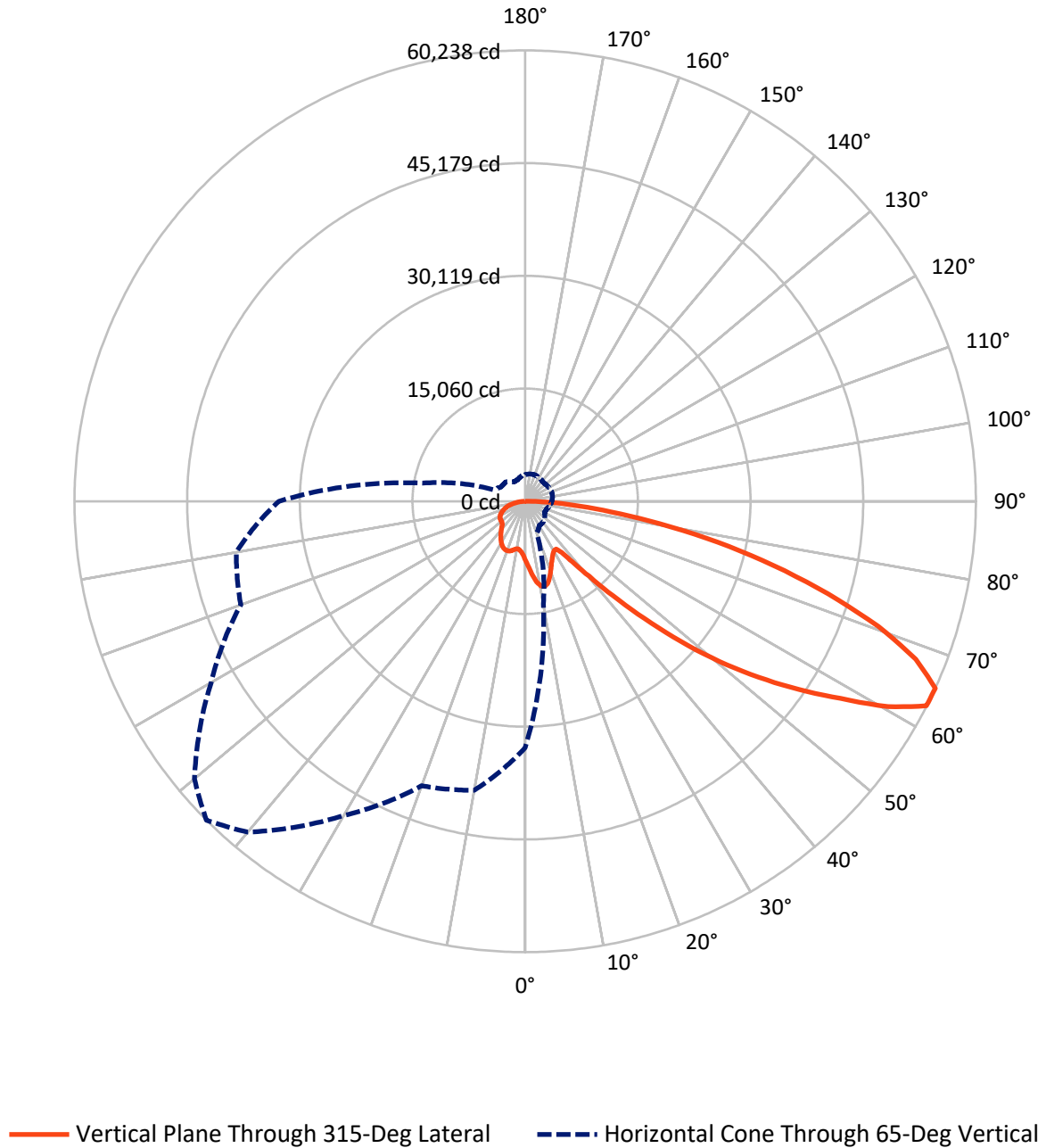
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 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	14669.0	0.0	14669.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	43049.0	0.0	43049.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	57718.0	0.0	57718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.3	1.4
10°-20°	2471.6	4.3
20°-30°	3817.7	6.6
30°-40°	4838.0	8.4
40°-50°	7296.9	12.6
50°-60°	11789.2	20.4
60°-70°	14697.1	25.5
70°-80°	9637.6	16.7
80°-90°	2382.7	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°	57718.0	100.0
0°-180°	57718.0	100.0

Coefficient of Utilization



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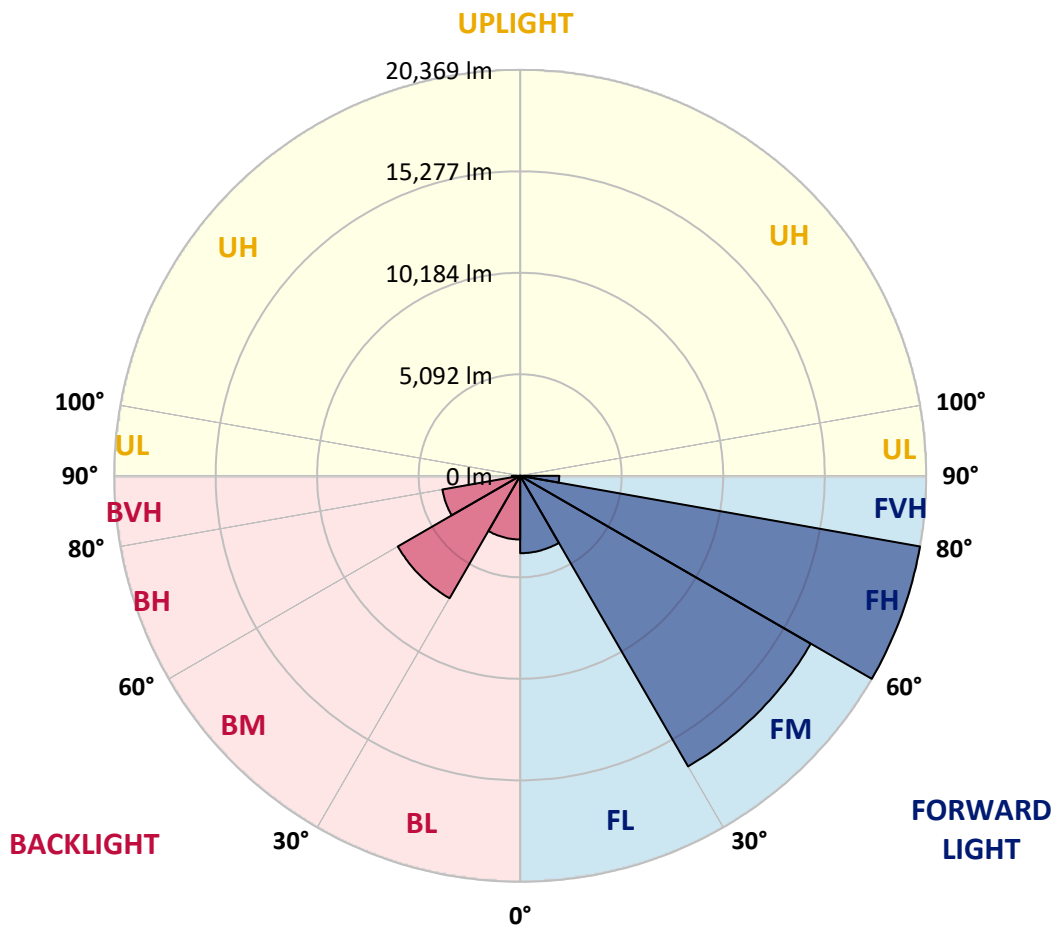
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3882.2	6.7			
FM (30°-60°)	16835.1	29.2			
FH (60°-80°)	20368.9	35.3			G5
FVH (80°-90°)	1962.8	3.4			G5
BL (0°-30°)	3194.4	5.5	B4/5000		
BM (30°-60°)	7089.0	12.3	B4/8500		
BH (60°-80°)	3965.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	419.9	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°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
2.5°	8535.2	8469.7	8404.2	8334.5	8265.0	8195.0	8124.9	8057.9	7990.9	7926.1
5°	9177.8	9033.1	8888.5	8744.1	8600.0	8454.8	8309.8	8174.3	8038.7	7910.8
7.5°	9823.4	9584.7	9346.2	9125.7	8905.2	8690.5	8475.8	8286.7	8097.5	7923.0
10°	10318.3	10016.5	9714.7	9423.3	9132.1	8871.4	8610.4	8386.9	8162.7	7947.4
12.5°	10621.4	10289.7	9958.4	9628.2	9298.1	8990.5	8682.9	8429.8	8176.7	7950.4
15°	10805.6	10460.0	10114.3	9756.1	9398.0	9043.8	8689.6	8396.6	8103.6	7853.0
17.5°	10909.2	10558.6	10208.1	9817.4	9426.6	9015.5	8604.3	8251.9	7899.6	7604.8
20°	11023.4	10659.1	10294.6	9865.2	9435.7	8937.5	8439.2	8002.5	7565.8	7222.5
22.5°	11155.9	10783.7	10411.2	9929.7	9447.9	8841.9	8235.8	7709.8	7183.9	6793.1
25°	11326.4	10961.6	10597.0	10046.7	9496.0	8747.4	7999.2	7383.0	6767.2	6366.7
27.5°	11557.9	11210.1	10862.0	10229.4	9596.6	8684.4	7772.3	7084.3	6396.3	6031.7
30°	11870.1	11533.8	11197.9	10466.1	9734.2	8654.9	7574.9	6834.5	6094.2	5788.1
32.5°	12238.6	11905.7	11573.1	10713.1	9853.0	8618.3	7383.0	6619.2	5855.1	5608.4
35°	12686.3	12367.7	12048.8	10994.5	9940.1	8549.5	7159.5	6407.5	5655.6	5450.0
37.5°	13440.0	13033.8	12627.5	11309.7	9991.9	8431.6	6871.4	6158.4	5445.5	5265.8
40°	14579.1	13987.0	13395.0	11709.9	10024.5	8269.3	6514.4	5861.2	5207.9	5045.0
42.5°	16089.7	15235.1	14380.5	12233.4	10086.3	8101.8	6117.9	5533.2	4948.4	4798.3
45°	17955.1	16802.3	15649.6	12922.3	10195.0	7946.2	5697.6	5184.8	4671.9	4519.6
47.5°	20288.0	18665.6	17042.9	13656.3	10269.6	7817.6	5365.7	4909.1	4452.6	4256.2
50°	23345.7	20899.8	18453.6	14337.3	10220.9	7677.5	5134.2	4726.1	4318.0	4059.7
52.5°	26855.7	23246.7	19637.8	14779.5	9920.9	7440.9	4961.2	4605.5	4250.1	3953.1
55°	30592.6	25327.5	20062.6	14682.0	9301.1	7048.6	4796.1	4518.1	4240.0	3963.8
57.5°	33991.5	26802.1	19612.8	13996.2	8379.9	6495.6	4611.0	4414.5	4218.1	3974.5
60°	36045.7	27170.6	18295.3	12719.8	7144.3	5777.4	4410.6	4256.2	4101.8	3941.0
62.5°	35002.6	25618.9	16235.3	10993.9	5752.4	4918.0	4083.5	3980.8	3878.5	3858.7
65°	32914.9	23423.4	13931.9	9232.9	4534.2	4144.7	3755.2	3706.7	3658.3	3660.8
67.5°	30117.5	20810.6	11503.7	7507.9	3512.1	3401.6	3290.7	3317.8	3344.6	3337.9
70°	26756.7	17959.7	9162.6	5911.4	2660.3	2692.0	2723.3	2848.8	2974.0	2974.0
72.5°	22751.8	14869.0	6986.5	4519.3	2052.1	2147.4	2243.1	2420.9	2598.5	2628.3
75°	17685.6	11326.1	4966.7	3280.1	1593.4	1679.9	1766.4	1965.6	2164.8	2302.4
77.5°	12636.0	7927.3	3218.5	2222.6	1226.8	1285.5	1344.6	1538.0	1731.4	1958.3
80°	8270.2	5107.4	1944.6	1432.0	919.8	944.1	968.5	1132.3	1295.9	1566.9
82.5°	4807.4	2956.0	1104.9	880.8	657.2	661.5	666.4	787.0	907.6	1139.0
85°	2115.1	1329.7	544.5	470.8	397.4	395.3	392.9	481.2	569.5	741.6
87.5°	654.8	435.5	216.2	195.2	174.2	172.1	169.9	205.9	242.1	313.7
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7853.9	2.5°	7795.4	7737.2	7684.5	7632.2	7586.2	7540.2	7493.9	7447.9	7412.3	7376.3
7784.4	5°	7674.2	7563.6	7471.1	7378.8	7297.2	7215.5	7141.5	7067.2	7010.3	6953.0
7759.5	7.5°	7612.7	7466.2	7344.4	7222.5	7119.9	7017.0	6926.2	6835.8	6767.8	6700.2
7771.7	10°	7616.9	7462.2	7340.4	7218.6	7108.0	6997.2	6895.1	6793.1	6712.1	6630.8
7786.9	12.5°	7660.2	7534.1	7453.1	7372.7	7285.6	7199.1	7093.4	6988.0	6884.5	6780.9
7722.0	15°	7661.4	7601.1	7612.1	7623.0	7600.5	7578.0	7486.3	7394.6	7247.2	7099.8
7524.0	17.5°	7546.3	7568.2	7701.0	7833.8	7904.4	7974.8	7900.8	7827.1	7631.9	7436.6
7201.2	20°	7304.8	7408.3	7638.9	7869.7	8017.4	8165.1	8131.0	8096.6	7873.4	7650.4
6834.8	22.5°	6988.0	7141.2	7404.4	7668.1	7860.3	8052.5	8073.2	8093.6	7880.4	7667.2
6479.4	25°	6656.1	6832.7	7069.3	7306.3	7495.4	7684.5	7755.2	7825.6	7650.7	7476.2
6168.8	27.5°	6339.3	6509.9	6704.5	6898.8	7050.5	7202.1	7280.7	7359.6	7235.0	7110.8
5895.6	30°	6030.8	6166.6	6328.1	6489.5	6615.3	6741.3	6805.3	6869.3	6774.5	6679.5
5656.2	32.5°	5736.3	5816.4	5945.2	6074.4	6195.0	6315.9	6386.8	6458.1	6371.0	6283.6
5430.2	35°	5452.2	5474.4	5572.8	5670.8	5790.2	5909.9	5995.2	6080.5	6018.3	5956.5
5193.3	37.5°	5168.9	5144.6	5215.2	5285.6	5404.6	5524.0	5629.4	5734.8	5706.2	5677.5
4933.8	40°	4878.7	4823.6	4874.4	4925.3	5040.4	5155.5	5276.7	5398.3	5405.3	5412.0
4658.2	42.5°	4585.1	4512.0	4553.4	4595.1	4704.2	4813.5	4944.5	5075.4	5110.4	5145.5
4384.1	45°	4312.8	4241.9	4276.6	4311.9	4415.4	4519.0	4654.8	4790.7	4840.9	4891.2
4139.5	47.5°	4079.8	4020.1	4053.0	4085.6	4187.0	4288.1	4422.1	4556.2	4614.0	4671.9
3924.2	50°	3871.2	3818.5	3869.7	3921.2	4016.8	4112.1	4232.1	4352.1	4426.4	4500.7
3763.7	52.5°	3711.3	3659.2	3736.3	3813.0	3900.7	3988.2	4099.9	4212.0	4300.0	4388.0
3678.4	55°	3595.6	3513.1	3622.4	3731.4	3825.8	3920.2	4018.3	4116.1	4209.3	4302.8
3627.3	57.5°	3506.7	3386.1	3503.6	3621.2	3732.0	3842.9	3939.7	4036.9	4131.0	4224.8
3579.1	60°	3422.9	3266.4	3369.6	3472.5	3599.8	3727.2	3825.5	3924.2	4018.6	4113.0
3523.1	62.5°	3327.6	3132.4	3197.8	3263.3	3411.6	3560.3	3665.3	3770.4	3856.9	3943.4
3404.9	65°	3197.2	2989.2	3014.5	3039.5	3198.4	3357.7	3458.2	3558.7	3634.9	3711.0
3194.2	67.5°	3021.2	2848.2	2840.3	2832.4	2979.2	3126.3	3221.6	3316.6	3382.4	3448.2
2926.8	70°	2803.7	2680.7	2653.3	2625.9	2755.0	2884.1	2966.4	3048.6	3108.0	3167.4
2628.9	72.5°	2544.6	2460.2	2420.0	2380.1	2481.8	2583.2	2657.6	2731.9	2790.0	2848.2
2290.9	75°	2226.0	2160.8	2122.4	2083.8	2159.3	2234.8	2302.1	2369.4	2422.4	2475.4
1952.2	77.5°	1900.1	1848.0	1809.1	1770.1	1831.6	1892.8	1950.7	2008.5	2064.3	2119.7
1566.0	80°	1522.5	1478.6	1446.0	1413.1	1464.3	1515.2	1563.9	1612.6	1655.0	1697.0
1151.8	82.5°	1130.5	1109.2	1086.0	1062.9	1058.6	1054.4	1037.3	1020.3	1110.4	1200.6
758.3	85°	735.5	712.7	686.8	660.9	639.0	616.7	569.5	522.3	606.7	691.3
335.0	87.5°	325.9	316.7	311.9	307.0	306.1	305.2	269.2	233.0	268.3	303.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7347.4	2.5°	7318.5	7295.9	7273.4	7252.7	7231.7	7205.8	7231.7	7252.7	7273.4	7295.9
6913.1	5°	6873.2	6844.9	6816.6	6794.9	6773.3	6752.0	6773.3	6794.9	6816.6	6844.9
6652.7	7.5°	6605.2	6572.6	6540.3	6520.8	6501.7	6487.0	6501.7	6520.8	6540.3	6572.6
6577.8	10°	6524.2	6493.4	6462.7	6446.2	6429.8	6423.1	6429.8	6446.2	6462.7	6493.4
6712.4	12.5°	6643.9	6609.5	6575.4	6561.3	6547.3	6544.9	6547.3	6561.3	6575.4	6609.5
6995.6	15°	6891.5	6843.7	6796.2	6777.9	6759.6	6758.1	6759.6	6777.9	6796.2	6843.7
7283.1	17.5°	7129.6	7059.0	6988.0	6964.9	6941.4	6937.8	6941.4	6964.9	6988.0	7059.0
7462.2	20°	7274.3	7183.9	7093.1	7064.2	7035.2	7026.1	7035.2	7064.2	7093.1	7183.9
7473.5	22.5°	7279.5	7184.2	7088.5	7056.6	7024.6	7010.9	7024.6	7056.6	7088.5	7184.2
7303.9	25°	7132.1	7049.2	6966.7	6936.6	6906.7	6889.1	6906.7	6936.6	6966.7	7049.2
6977.1	27.5°	6843.4	6787.9	6732.2	6718.5	6704.8	6700.2	6704.8	6718.5	6732.2	6787.9
6583.9	30°	6487.6	6459.3	6430.7	6430.7	6430.7	6435.3	6430.7	6430.7	6430.7	6459.3
6207.2	32.5°	6130.7	6112.1	6093.6	6096.0	6098.7	6103.3	6098.7	6096.0	6093.6	6112.1
5885.8	35°	5815.5	5787.2	5759.1	5753.1	5747.0	5743.9	5747.0	5753.1	5759.1	5787.2
5612.7	37.5°	5547.5	5496.0	5444.8	5417.7	5390.6	5375.4	5390.6	5417.7	5444.8	5496.0
5356.8	40°	5301.7	5226.8	5152.5	5101.9	5052.0	5022.1	5052.0	5101.9	5152.5	5226.8
5098.9	42.5°	5052.6	4959.7	4866.8	4793.4	4720.0	4671.9	4720.0	4793.4	4866.8	4959.7
4849.1	45°	4807.4	4701.1	4595.1	4508.9	4422.8	4367.3	4422.8	4508.9	4595.1	4701.1
4642.6	47.5°	4613.4	4519.0	4424.6	4344.8	4265.3	4212.0	4265.3	4344.8	4424.6	4519.0
4498.9	50°	4497.7	4422.1	4346.6	4272.9	4199.2	4148.0	4199.2	4272.9	4346.6	4422.1
4403.9	52.5°	4419.7	4358.2	4296.7	4230.6	4164.8	4117.6	4164.8	4230.6	4296.7	4358.2
4324.7	55°	4346.6	4293.0	4239.4	4181.6	4123.7	4081.0	4123.7	4181.6	4239.4	4293.0
4247.0	57.5°	4269.3	4215.1	4160.8	4103.6	4046.0	4001.9	4046.0	4103.6	4160.8	4215.1
4137.4	60°	4161.8	4108.8	4056.1	3997.0	3937.9	3892.2	3937.9	3997.0	4056.1	4108.8
3966.8	62.5°	3990.3	3942.5	3894.7	3832.5	3770.4	3715.6	3770.4	3832.5	3894.7	3942.5
3735.1	65°	3758.8	3712.8	3666.9	3606.5	3546.6	3499.3	3546.6	3606.5	3666.9	3712.8
3471.6	67.5°	3494.8	3452.4	3410.4	3354.4	3298.3	3255.7	3298.3	3354.4	3410.4	3452.4
3189.9	70°	3212.5	3178.0	3143.6	3090.0	3036.4	2987.7	3036.4	3090.0	3143.6	3178.0
2875.0	72.5°	2901.8	2873.2	2844.6	2793.4	2742.5	2695.3	2742.5	2793.4	2844.6	2873.2
2503.4	75°	2531.5	2517.5	2503.4	2460.5	2417.6	2372.5	2417.6	2460.5	2503.4	2517.5
2145.9	77.5°	2172.1	2152.6	2132.5	2089.3	2046.0	2010.1	2046.0	2089.3	2132.5	2152.6
1731.7	80°	1766.4	1757.9	1749.7	1691.5	1633.0	1565.4	1633.0	1691.5	1749.7	1757.9
1259.6	82.5°	1318.7	1315.1	1311.1	1262.1	1212.7	1169.5	1212.7	1262.1	1311.1	1315.1
764.4	85°	837.5	831.4	825.3	787.0	748.6	709.6	748.6	787.0	825.3	831.4
333.5	87.5°	363.0	355.7	347.8	328.3	308.2	289.3	308.2	328.3	347.8	355.7
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7318.5	2.5°	7347.4	7376.3	7412.3	7447.9	7493.9	7540.2	7586.2	7632.2	7684.5	7737.2
6873.2	5°	6913.1	6953.0	7010.3	7067.2	7141.5	7215.5	7297.2	7378.8	7471.1	7563.6
6605.2	7.5°	6652.7	6700.2	6767.8	6835.8	6926.2	7017.0	7119.9	7222.5	7344.4	7466.2
6524.2	10°	6577.8	6630.8	6712.1	6793.1	6895.1	6997.2	7108.0	7218.6	7340.4	7462.2
6643.9	12.5°	6712.4	6780.9	6884.5	6988.0	7093.4	7199.1	7285.6	7372.7	7453.1	7534.1
6891.5	15°	6995.6	7099.8	7247.2	7394.6	7486.3	7578.0	7600.5	7623.0	7612.1	7601.1
7129.6	17.5°	7283.1	7436.6	7631.9	7827.1	7900.8	7974.8	7904.4	7833.8	7701.0	7568.2
7274.3	20°	7462.2	7650.4	7873.4	8096.6	8131.0	8165.1	8017.4	7869.7	7638.9	7408.3
7279.5	22.5°	7473.5	7667.2	7880.4	8093.6	8073.2	8052.5	7860.3	7668.1	7404.4	7141.2
7132.1	25°	7303.9	7476.2	7650.7	7825.6	7755.2	7684.5	7495.4	7306.3	7069.3	6832.7
6843.4	27.5°	6977.1	7110.8	7235.0	7359.6	7280.7	7202.1	7050.5	6898.8	6704.5	6509.9
6487.6	30°	6583.9	6679.5	6774.5	6869.3	6805.3	6741.3	6615.3	6489.5	6328.1	6166.6
6130.7	32.5°	6207.2	6283.6	6371.0	6458.1	6386.8	6315.9	6195.0	6074.4	5945.2	5816.4
5815.5	35°	5885.8	5956.5	6018.3	6080.5	5995.2	5909.9	5790.2	5670.8	5572.8	5474.4
5547.5	37.5°	5612.7	5677.5	5706.2	5734.8	5629.4	5524.0	5404.6	5285.6	5215.2	5144.6
5301.7	40°	5356.8	5412.0	5405.3	5398.3	5276.7	5155.5	5040.4	4925.3	4874.4	4823.6
5052.6	42.5°	5098.9	5145.5	5110.4	5075.4	4944.5	4813.5	4704.2	4595.1	4553.4	4512.0
4807.4	45°	4849.1	4891.2	4840.9	4790.7	4654.8	4519.0	4415.4	4311.9	4276.6	4241.9
4613.4	47.5°	4642.6	4671.9	4614.0	4556.2	4422.1	4288.1	4187.0	4085.6	4053.0	4020.1
4497.7	50°	4498.9	4500.7	4426.4	4352.1	4232.1	4112.1	4016.8	3921.2	3869.7	3818.5
4419.7	52.5°	4403.9	4388.0	4300.0	4212.0	4099.9	3988.2	3900.7	3813.0	3736.3	3659.2
4346.6	55°	4324.7	4302.8	4209.3	4116.1	4018.3	3920.2	3825.8	3731.4	3622.4	3513.1
4269.3	57.5°	4247.0	4224.8	4131.0	4036.9	3939.7	3842.9	3732.0	3621.2	3503.6	3386.1
4161.8	60°	4137.4	4113.0	4018.6	3924.2	3825.5	3727.2	3599.8	3472.5	3369.6	3266.4
3990.3	62.5°	3966.8	3943.4	3856.9	3770.4	3665.3	3560.3	3411.6	3263.3	3197.8	3132.4
3758.8	65°	3735.1	3711.0	3634.9	3558.7	3458.2	3357.7	3198.4	3039.5	3014.5	2989.2
3494.8	67.5°	3471.6	3448.2	3382.4	3316.6	3221.6	3126.3	2979.2	2832.4	2840.3	2848.2
3212.5	70°	3189.9	3167.4	3108.0	3048.6	2966.4	2884.1	2755.0	2625.9	2653.3	2680.7
2901.8	72.5°	2875.0	2848.2	2790.0	2731.9	2657.6	2583.2	2481.8	2380.1	2420.0	2460.2
2531.5	75°	2503.4	2475.4	2422.4	2369.4	2302.1	2234.8	2159.3	2083.8	2122.4	2160.8
2172.1	77.5°	2145.9	2119.7	2064.3	2008.5	1950.7	1892.8	1831.6	1770.1	1809.1	1848.0
1766.4	80°	1731.7	1697.0	1655.0	1612.6	1563.9	1515.2	1464.3	1413.1	1446.0	1478.6
1318.7	82.5°	1259.6	1200.6	1110.4	1020.3	1037.3	1054.4	1058.6	1062.9	1086.0	1109.2
837.5	85°	764.4	691.3	606.7	522.3	569.5	616.7	639.0	660.9	686.8	712.7
363.0	87.5°	333.5	303.9	268.3	233.0	269.2	305.2	306.1	307.0	311.9	316.7
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
7795.4	2.5°	7853.9	7926.1	7990.9	8057.9	8124.9	8195.0	8265.0	8334.5	8404.2	8469.7
7674.2	5°	7784.4	7910.8	8038.7	8174.3	8309.8	8454.8	8600.0	8744.1	8888.5	9033.1
7612.7	7.5°	7759.5	7923.0	8097.5	8286.7	8475.8	8690.5	8905.2	9125.7	9346.2	9584.7
7616.9	10°	7771.7	7947.4	8162.7	8386.9	8610.4	8871.4	9132.1	9423.3	9714.7	10016.5
7660.2	12.5°	7786.9	7950.4	8176.7	8429.8	8682.9	8990.5	9298.1	9628.2	9958.4	10289.7
7661.4	15°	7722.0	7853.0	8103.6	8396.6	8689.6	9043.8	9398.0	9756.1	10114.3	10460.0
7546.3	17.5°	7524.0	7604.8	7899.6	8251.9	8604.3	9015.5	9426.6	9817.4	10208.1	10558.6
7304.8	20°	7201.2	7222.5	7565.8	8002.5	8439.2	8937.5	9435.7	9865.2	10294.6	10659.1
6988.0	22.5°	6834.8	6793.1	7183.9	7709.8	8235.8	8841.9	9447.9	9929.7	10411.2	10783.7
6656.1	25°	6479.4	6366.7	6767.2	7383.0	7999.2	8747.4	9496.0	10046.7	10597.0	10961.6
6339.3	27.5°	6168.8	6031.7	6396.3	7084.3	7772.3	8684.4	9596.6	10229.4	10862.0	11210.1
6030.8	30°	5895.6	5788.1	6094.2	6834.5	7574.9	8654.9	9734.2	10466.1	11197.9	11533.8
5736.3	32.5°	5656.2	5608.4	5855.1	6619.2	7383.0	8618.3	9853.0	10713.1	11573.1	11905.7
5452.2	35°	5430.2	5450.0	5655.6	6407.5	7159.5	8549.5	9940.1	10994.5	12048.8	12367.7
5168.9	37.5°	5193.3	5265.8	5445.5	6158.4	6871.4	8431.6	9991.9	11309.7	12627.5	13033.8
4878.7	40°	4933.8	5045.0	5207.9	5861.2	6514.4	8269.3	10024.5	11709.9	13395.0	13987.0
4585.1	42.5°	4658.2	4798.3	4948.4	5533.2	6117.9	8101.8	10086.3	12233.4	14380.5	15235.1
4312.8	45°	4384.1	4519.6	4671.9	5184.8	5697.6	7946.2	10195.0	12922.3	15649.6	16802.3
4079.8	47.5°	4139.5	4256.2	4452.6	4909.1	5365.7	7817.6	10269.6	13656.3	17042.9	18665.6
3871.2	50°	3924.2	4059.7	4318.0	4726.1	5134.2	7677.5	10220.9	14337.3	18453.6	20899.8
3711.3	52.5°	3763.7	3953.1	4250.1	4605.5	4961.2	7440.9	9920.9	14779.5	19637.8	23246.7
3595.6	55°	3678.4	3963.8	4240.0	4518.1	4796.1	7048.6	9301.1	14682.0	20062.6	25327.5
3506.7	57.5°	3627.3	3974.5	4218.1	4414.5	4611.0	6495.6	8379.9	13996.2	19612.8	26802.1
3422.9	60°	3579.1	3941.0	4101.8	4256.2	4410.6	5777.4	7144.3	12719.8	18295.3	27170.6
3327.6	62.5°	3523.1	3858.7	3878.5	3980.8	4083.5	4918.0	5752.4	10993.9	16235.3	25618.9
3197.2	65°	3404.9	3660.8	3658.3	3706.7	3755.2	4144.7	4534.2	9232.9	13931.9	23423.4
3021.2	67.5°	3194.2	3337.9	3344.6	3317.8	3290.7	3401.6	3512.1	7507.9	11503.7	20810.6
2803.7	70°	2926.8	2974.0	2974.0	2848.8	2723.3	2692.0	2660.3	5911.4	9162.6	17959.7
2544.6	72.5°	2628.9	2628.3	2598.5	2420.9	2243.1	2147.4	2052.1	4519.3	6986.5	14869.0
2226.0	75°	2290.9	2302.4	2164.8	1965.6	1766.4	1679.9	1593.4	3280.1	4966.7	11326.1
1900.1	77.5°	1952.2	1958.3	1731.4	1538.0	1344.6	1285.5	1226.8	2222.6	3218.5	7927.3
1522.5	80°	1566.0	1566.9	1295.9	1132.3	968.5	944.1	919.8	1432.0	1944.6	5107.4
1130.5	82.5°	1151.8	1139.0	907.6	787.0	666.4	661.5	657.2	880.8	1104.9	2956.0
735.5	85°	758.3	741.6	569.5	481.2	392.9	395.3	397.4	470.8	544.5	1329.7
325.9	87.5°	335.0	313.7	242.1	205.9	169.9	172.1	174.2	195.2	216.2	435.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
8535.2	2.5°	8567.5	8600.0	8646.0	8692.0	8719.4	8746.8	8760.5	8774.3	8768.2	8774.3
9177.8	5°	9290.8	9404.1	9516.1	9628.5	9689.4	9750.4	9787.2	9824.4	9852.4	9824.4
9823.4	7.5°	10007.4	10191.0	10356.4	10521.8	10621.4	10721.0	10774.9	10828.5	10854.4	10828.5
10318.3	10°	10535.8	10753.3	10947.3	11141.3	11258.8	11375.8	11428.1	11480.2	11500.0	11480.2
10621.4	12.5°	10857.1	11092.5	11268.0	11442.8	11528.0	11613.3	11641.9	11670.6	11673.6	11670.6
10805.6	15°	11009.1	11212.2	11322.2	11432.4	11435.5	11438.5	11408.0	11377.6	11341.7	11377.6
10909.2	17.5°	11046.5	11183.9	11186.0	11187.9	11064.5	10941.2	10828.2	10714.9	10635.1	10714.9
11023.4	20°	11071.2	11119.3	10974.7	10830.0	10557.7	10285.5	10087.2	9888.9	9767.1	9888.9
11155.9	22.5°	11093.1	11030.4	10730.7	10431.0	10030.5	9630.1	9382.1	9134.2	8999.6	9134.2
11326.4	25°	11128.5	10930.5	10475.5	10020.5	9534.1	9047.7	8787.0	8527.0	8399.6	8527.0
11557.9	27.5°	11204.0	10849.8	10247.1	9644.7	9105.6	8566.5	8310.1	8054.0	7933.7	8054.0
11870.1	30°	11342.3	10814.8	10072.9	9331.0	8769.4	8207.8	7969.9	7732.1	7620.0	7732.1
12238.6	32.5°	11515.9	10793.5	9954.1	9114.7	8586.9	8059.2	7872.5	7685.5	7604.8	7685.5
12686.3	35°	11801.8	10917.7	10043.0	9168.6	8802.0	8435.6	8392.0	8348.5	8341.8	8348.5
13440.0	37.5°	12399.7	11359.3	10564.4	9769.5	9745.8	9722.0	9921.2	10120.4	10223.9	10120.4
14579.1	40°	13447.7	12316.2	11725.1	11133.9	11551.2	11968.4	12452.7	12936.9	13178.1	12936.9
16089.7	42.5°	14967.1	13844.5	13504.0	13163.5	14073.5	14983.5	15864.3	16745.1	17262.2	16745.1
17955.1	45°	16946.7	15938.0	15787.9	15637.4	17095.3	18553.5	20000.8	21448.3	22327.0	21448.3
20288.0	47.5°	19307.0	18325.7	18295.3	18264.8	20368.1	22470.7	24589.5	26708.0	27952.1	26708.0
23345.7	50°	22133.9	20922.4	20927.5	20932.7	23643.3	26353.8	29150.6	31947.3	33638.2	31947.3
26855.7	52.5°	25388.4	23921.3	23773.0	23624.4	26862.1	30099.9	33560.2	37020.3	39047.1	37020.3
30592.6	55°	29142.9	27693.3	27114.9	26536.5	30140.1	33743.3	37868.5	41993.7	44404.2	41993.7
33991.5	57.5°	33202.1	32412.3	31252.3	30092.5	33731.1	37369.6	42042.1	46714.3	49703.5	46714.3
36045.7	60°	37271.8	38498.3	37057.7	35617.2	39060.5	42503.8	47506.4	52509.1	55739.8	52509.1
35002.6	62.5°	38353.0	41703.4	41541.1	41378.5	44532.7	47687.3	52446.9	57206.2	60192.4	57206.2
32914.9	65°	36059.4	39203.9	39826.1	40448.0	44456.6	48465.5	53080.7	57695.6	60238.1	57695.6
30117.5	67.5°	33108.3	36099.0	36390.8	36682.2	40858.9	45035.3	49670.3	54305.3	56297.1	54305.3
26756.7	70°	30009.7	33263.0	33393.3	33524.0	37259.0	40993.8	44982.6	48971.0	50078.1	48971.0
22751.8	72.5°	26484.8	30218.0	30311.8	30405.3	33327.5	36249.7	39237.1	42224.2	42336.3	42224.2
17685.6	75°	21549.1	25412.7	25759.6	26106.5	28380.0	30653.5	32756.5	34859.4	34296.0	34859.4
12636.0	77.5°	16242.6	19849.4	20345.8	20842.3	22570.6	24299.0	25790.4	27282.1	26313.6	27282.1
8270.2	80°	11304.5	14338.5	14955.5	15572.5	16877.9	18182.6	18965.9	19748.9	18191.1	19748.9
4807.4	82.5°	6881.7	8956.4	9645.6	10335.1	11233.5	12132.0	12458.8	12785.2	11560.9	12785.2
2115.1	85°	3216.1	4317.1	4903.3	5489.6	6227.9	6965.8	7151.3	7336.7	6356.1	7336.7
654.8	87.5°	1024.8	1394.9	1722.0	2049.1	2418.2	2787.3	2803.1	2818.7	2366.4	2818.7
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°
7936.7	0°	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7	7936.7
8760.5	2.5°	8746.8	8719.4	8692.0	8646.0	8600.0	8567.5	8535.2
9787.2	5°	9750.4	9689.4	9628.5	9516.1	9404.1	9290.8	9177.8
10774.9	7.5°	10721.0	10621.4	10521.8	10356.4	10191.0	10007.4	9823.4
11428.1	10°	11375.8	11258.8	11141.3	10947.3	10753.3	10535.8	10318.3
11641.9	12.5°	11613.3	11528.0	11442.8	11268.0	11092.5	10857.1	10621.4
11408.0	15°	11438.5	11435.5	11432.4	11322.2	11212.2	11009.1	10805.6
10828.2	17.5°	10941.2	11064.5	11187.9	11186.0	11183.9	11046.5	10909.2
10087.2	20°	10285.5	10557.7	10830.0	10974.7	11119.3	11071.2	11023.4
9382.1	22.5°	9630.1	10030.5	10431.0	10730.7	11030.4	11093.1	11155.9
8787.0	25°	9047.7	9534.1	10020.5	10475.5	10930.5	11128.5	11326.4
8310.1	27.5°	8566.5	9105.6	9644.7	10247.1	10849.8	11204.0	11557.9
7969.9	30°	8207.8	8769.4	9331.0	10072.9	10814.8	11342.3	11870.1
7872.5	32.5°	8059.2	8586.9	9114.7	9954.1	10793.5	11515.9	12238.6
8392.0	35°	8435.6	8802.0	9168.6	10043.0	10917.7	11801.8	12686.3
9921.2	37.5°	9722.0	9745.8	9769.5	10564.4	11359.3	12399.7	13440.0
12452.7	40°	11968.4	11551.2	11133.9	11725.1	12316.2	13447.7	14579.1
15864.3	42.5°	14983.5	14073.5	13163.5	13504.0	13844.5	14967.1	16089.7
20000.8	45°	18553.5	17095.3	15637.4	15787.9	15938.0	16946.7	17955.1
24589.5	47.5°	22470.7	20368.1	18264.8	18295.3	18325.7	19307.0	20288.0
29150.6	50°	26353.8	23643.3	20932.7	20927.5	20922.4	22133.9	23345.7
33560.2	52.5°	30099.9	26862.1	23624.4	23773.0	23921.3	25388.4	26855.7
37868.5	55°	33743.3	30140.1	26536.5	27114.9	27693.3	29142.9	30592.6
42042.1	57.5°	37369.6	33731.1	30092.5	31252.3	32412.3	33202.1	33991.5
47506.4	60°	42503.8	39060.5	35617.2	37057.7	38498.3	37271.8	36045.7
52446.9	62.5°	47687.3	44532.7	41378.5	41541.1	41703.4	38353.0	35002.6
53080.7	65°	48465.5	44456.6	40448.0	39826.1	39203.9	36059.4	32914.9
49670.3	67.5°	45035.3	40858.9	36682.2	36390.8	36099.0	33108.3	30117.5
44982.6	70°	40993.8	37259.0	33524.0	33393.3	33263.0	30009.7	26756.7
39237.1	72.5°	36249.7	33327.5	30405.3	30311.8	30218.0	26484.8	22751.8
32756.5	75°	30653.5	28380.0	26106.5	25759.6	25412.7	21549.1	17685.6
25790.4	77.5°	24299.0	22570.6	20842.3	20345.8	19849.4	16242.6	12636.0
18965.9	80°	18182.6	16877.9	15572.5	14955.5	14338.5	11304.5	8270.2
12458.8	82.5°	12132.0	11233.5	10335.1	9645.6	8956.4	6881.7	4807.4
7151.3	85°	6965.8	6227.9	5489.6	4903.3	4317.1	3216.1	2115.1
2803.1	87.5°	2787.3	2418.2	2049.1	1722.0	1394.9	1024.8	654.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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