

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: P955615

Luminaire Tested: **GALN-SB8C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955615
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-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 60341 lumens
Efficiency: N/A
Efficacy: 150.9 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

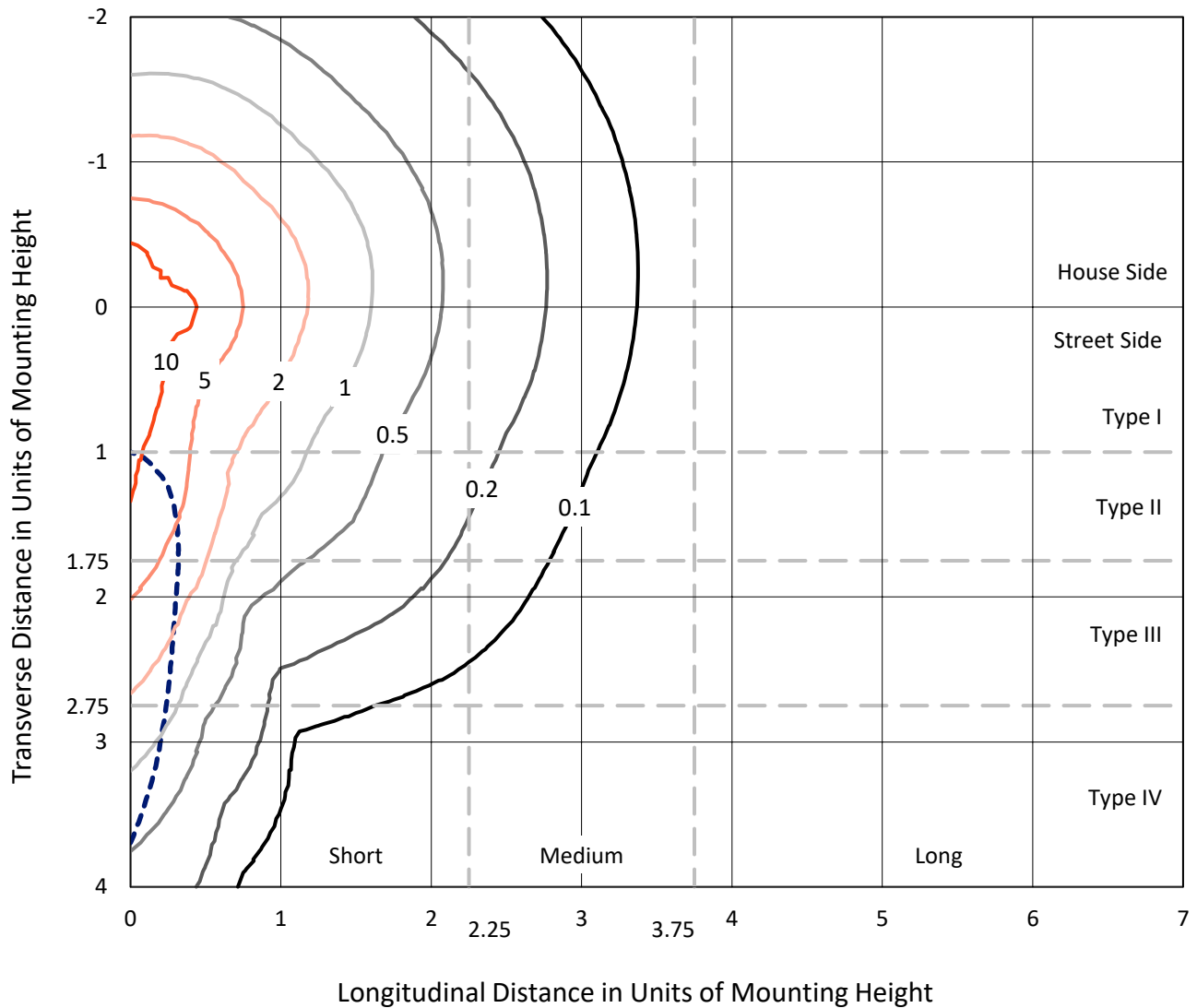
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

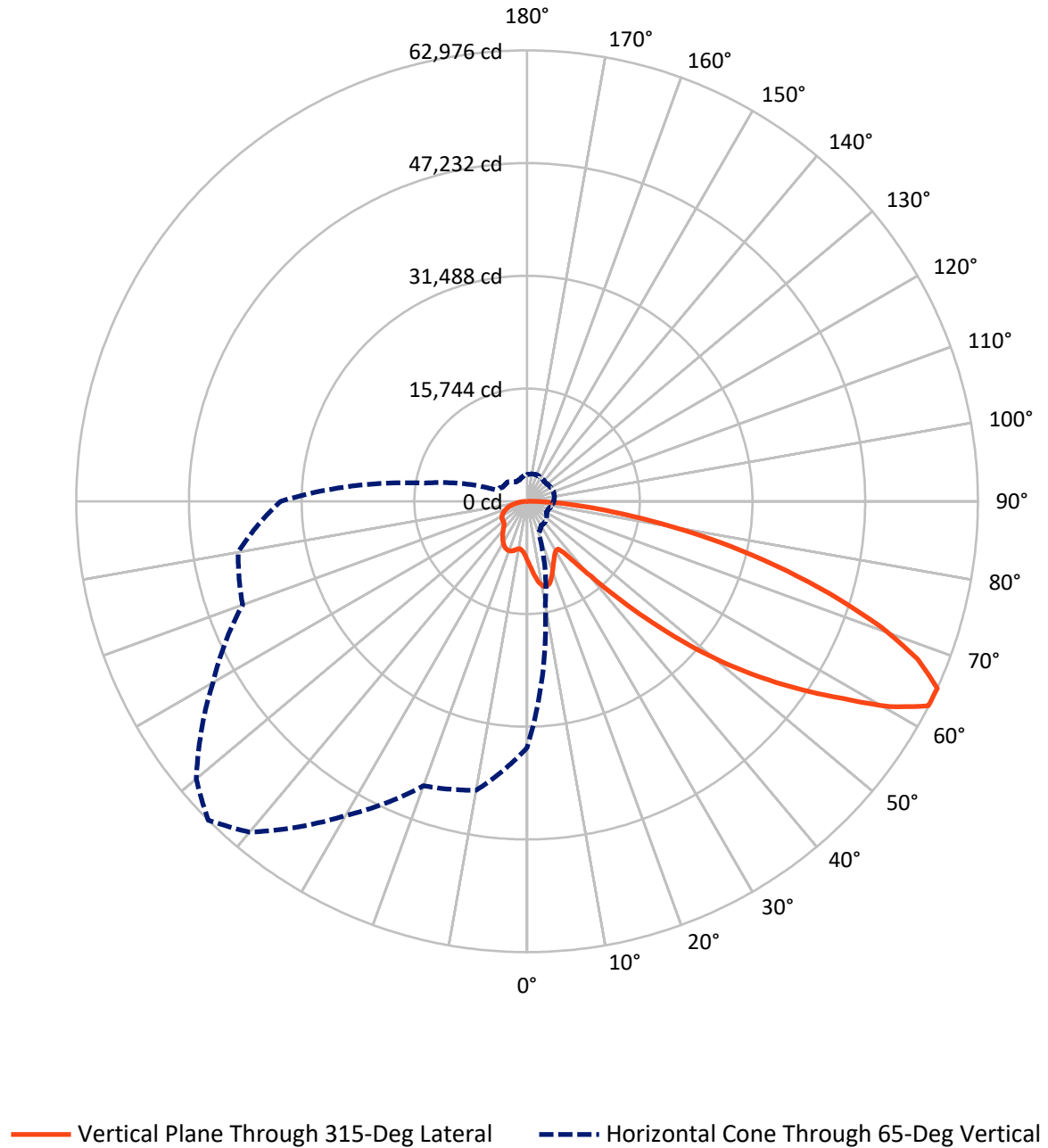
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	15335.6	0.0	15335.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	45005.4	0.0	45005.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	60341.0	0.0	60341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.1	1.4
10°-20°	2583.9	4.3
20°-30°	3991.2	6.6
30°-40°	5057.8	8.4
40°-50°	7628.5	12.6
50°-60°	12325.0	20.4
60°-70°	15365.0	25.5
70°-80°	10075.6	16.7
80°-90°	2490.9	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°	60341.0	100.0
0°-180°	60341.0	100.0

Coefficient of Utilization

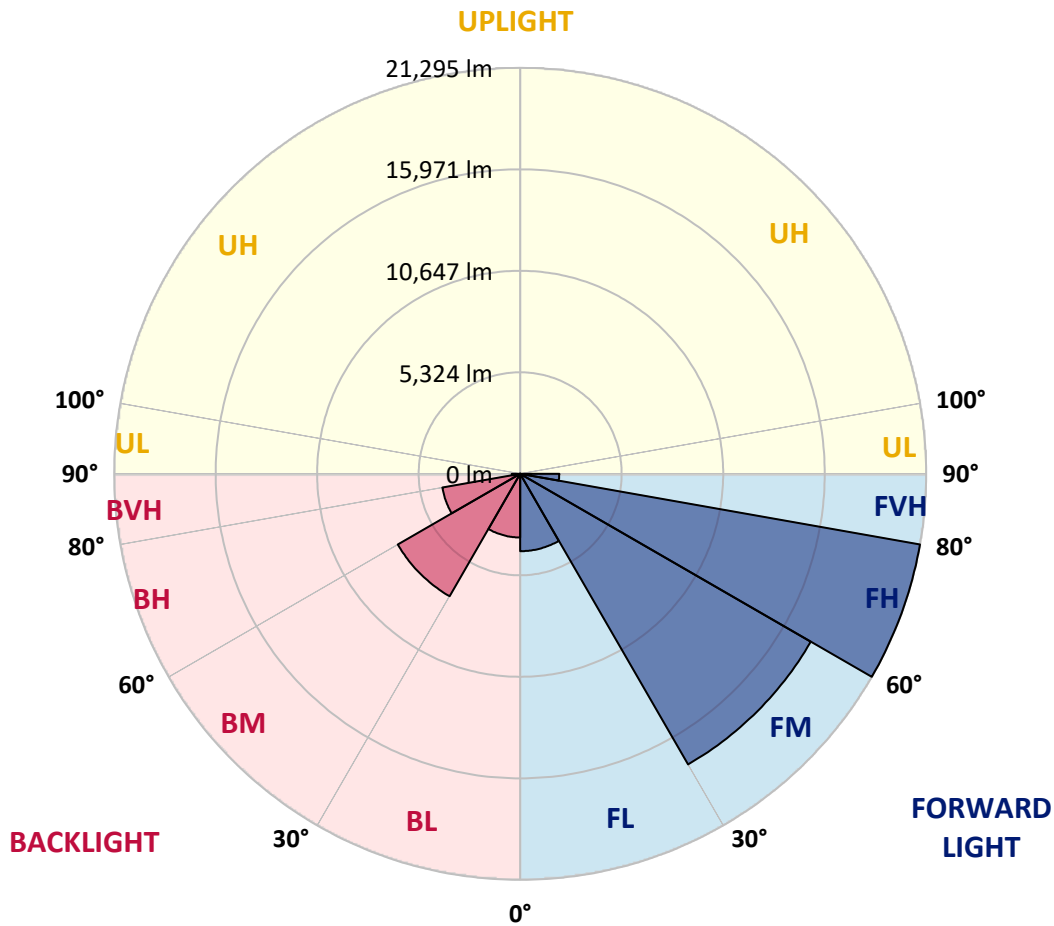


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4058.6	6.7			
FM (30°-60°)	17600.2	29.2			
FH (60°-80°)	21294.6	35.3			G5
FVH (80°-90°)	2052.0	3.4			G5
BL (0°-30°)	3339.5	5.5	B4/5000		
BM (30°-60°)	7411.1	12.3	B4/8500		
BH (60°-80°)	4146.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	439.0	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°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
2.5°	8923.1	8854.6	8786.1	8713.2	8640.6	8567.4	8494.2	8424.1	8354.1	8286.3
5°	9594.9	9443.6	9292.4	9141.5	8990.9	8839.0	8687.4	8545.8	8404.1	8270.3
7.5°	10269.9	10020.2	9770.9	9540.4	9309.9	9085.4	8861.0	8663.2	8465.5	8283.1
10°	10787.3	10471.7	10156.2	9851.5	9547.1	9274.6	9001.7	8768.0	8533.7	8308.6
12.5°	11104.1	10757.3	10410.9	10065.8	9720.6	9399.1	9077.5	8812.9	8548.3	8311.7
15°	11296.7	10935.3	10573.9	10199.5	9825.1	9454.8	9084.5	8778.2	8471.9	8209.8
17.5°	11405.0	11038.5	10672.0	10263.5	9855.0	9425.2	8995.3	8626.9	8258.6	7950.4
20°	11524.4	11143.6	10762.4	10313.5	9864.6	9343.7	8822.8	8366.2	7909.6	7550.8
22.5°	11662.9	11273.8	10884.4	10381.0	9877.3	9243.7	8610.1	8060.2	7510.3	7101.8
25°	11841.2	11459.7	11078.6	10503.3	9927.6	9145.0	8362.7	7718.6	7074.8	6656.1
27.5°	12083.1	11719.5	11355.6	10694.3	10032.7	9079.1	8125.5	7406.2	6687.0	6305.8
30°	12409.5	12058.0	11706.8	10941.7	10176.6	9048.2	7919.2	7145.1	6371.1	6051.1
32.5°	12794.8	12446.7	12099.1	11199.9	10300.8	9010.0	7718.6	6920.0	6121.2	5863.3
35°	13262.8	12929.8	12596.4	11494.1	10391.8	8938.0	7484.9	6698.7	5912.6	5697.7
37.5°	14050.8	13626.1	13201.3	11823.6	10445.9	8814.8	7183.7	6438.3	5692.9	5505.1
40°	15241.6	14622.7	14003.7	12242.0	10480.0	8645.1	6810.5	6127.5	5444.6	5274.2
42.5°	16820.9	15927.5	15034.0	12789.3	10544.6	8470.0	6395.9	5784.6	5173.3	5016.3
45°	18771.1	17565.9	16360.8	13509.6	10658.3	8307.3	5956.6	5420.4	4884.2	4725.0
47.5°	21210.0	19513.9	17817.5	14276.9	10736.3	8172.9	5609.5	5132.2	4655.0	4449.6
50°	24406.7	21849.6	19292.3	14988.8	10685.4	8026.5	5367.5	4940.9	4514.2	4244.2
52.5°	28076.2	24303.2	20530.2	15451.1	10371.8	7779.1	5186.7	4814.8	4443.2	4132.8
55°	31982.9	26478.5	20974.4	15349.2	9723.8	7369.0	5014.1	4723.4	4432.7	4143.9
57.5°	35536.2	28020.1	20504.1	14632.2	8760.7	6790.8	4820.5	4615.2	4409.8	4155.1
60°	37683.8	28405.4	19126.7	13297.8	7468.9	6040.0	4611.0	4449.6	4288.2	4120.0
62.5°	36593.3	26783.2	16973.1	11493.5	6013.9	5141.5	4269.1	4161.8	4054.8	4034.1
65°	34410.7	24487.9	14565.0	9652.5	4740.3	4333.1	3925.8	3875.2	3824.6	3827.1
67.5°	31486.2	21756.3	12026.5	7849.1	3671.7	3556.2	3440.3	3468.6	3496.6	3489.6
70°	27972.7	18775.8	9579.0	6180.1	2781.2	2814.3	2847.1	2978.3	3109.1	3109.1
72.5°	23785.8	15544.7	7304.0	4724.7	2145.4	2245.0	2345.0	2530.9	2716.6	2747.8
75°	18489.3	11840.8	5192.4	3429.1	1665.8	1756.3	1846.7	2054.9	2263.2	2407.1
77.5°	13210.3	8287.5	3364.8	2323.7	1282.5	1344.0	1405.7	1607.9	1810.1	2047.3
80°	8646.1	5339.5	2033.0	1497.1	961.6	987.0	1012.5	1183.8	1354.8	1638.1
82.5°	5025.9	3090.4	1155.1	920.8	687.1	691.6	696.7	822.7	948.8	1190.8
85°	2211.3	1390.1	569.3	492.2	415.5	413.3	410.7	503.1	595.4	775.3
87.5°	684.6	455.3	226.1	204.1	182.1	179.9	177.7	215.2	253.1	327.9
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°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
8210.8	2.5°	8149.7	8088.9	8033.8	7979.0	7930.9	7882.9	7834.5	7786.4	7749.1	7711.6
8138.2	5°	8022.9	7907.4	7810.6	7714.1	7628.8	7543.4	7466.1	7388.4	7328.8	7269.0
8112.1	7.5°	7958.6	7805.5	7678.1	7550.8	7443.5	7335.9	7241.0	7146.4	7075.4	7004.7
8124.8	10°	7963.1	7801.3	7674.0	7546.6	7431.1	7315.2	7208.5	7101.8	7017.1	6932.1
8140.8	12.5°	8008.3	7876.5	7791.8	7707.7	7616.7	7526.3	7415.8	7305.6	7197.3	7089.1
8072.9	15°	8009.6	7946.5	7958.0	7969.5	7945.9	7922.3	7826.5	7730.7	7576.6	7422.5
7866.0	17.5°	7889.2	7912.1	8051.0	8189.8	8263.7	8337.2	8259.8	8182.8	7978.7	7774.6
7528.5	20°	7636.7	7745.0	7986.0	8227.4	8381.8	8536.2	8500.5	8464.6	8231.2	7998.1
7145.4	22.5°	7305.6	7465.8	7740.9	8016.6	8217.5	8418.4	8440.0	8461.4	8238.5	8015.6
6773.9	25°	6958.6	7143.2	7390.6	7638.3	7836.1	8033.8	8107.6	8181.2	7998.4	7816.0
6449.1	27.5°	6627.4	6805.7	7009.2	7212.3	7370.9	7529.4	7611.6	7694.0	7563.8	7433.9
6163.5	30°	6304.9	6446.9	6615.6	6784.4	6915.9	7047.7	7114.6	7181.4	7082.4	6983.1
5913.3	32.5°	5997.0	6080.7	6215.4	6350.4	6476.5	6602.9	6677.1	6751.6	6660.5	6569.2
5677.0	35°	5699.9	5723.2	5826.0	5928.5	6053.4	6178.5	6267.6	6356.8	6291.8	6227.2
5429.3	37.5°	5403.8	5378.4	5452.2	5525.8	5650.3	5775.1	5885.2	5995.4	5965.5	5935.5
5158.0	40°	5100.4	5042.8	5095.9	5149.1	5269.5	5389.8	5516.5	5643.6	5650.9	5657.9
4869.9	42.5°	4793.5	4717.0	4760.3	4804.0	4917.9	5032.3	5169.2	5306.1	5342.7	5379.3
4583.3	45°	4508.8	4434.6	4470.9	4507.9	4616.1	4724.4	4866.4	5008.4	5060.9	5113.4
4327.6	47.5°	4265.2	4202.8	4237.2	4271.3	4377.3	4483.0	4623.1	4763.2	4823.7	4884.2
4102.5	50°	4047.1	3992.1	4045.5	4099.4	4199.3	4299.0	4424.4	4549.9	4627.6	4705.3
3934.7	52.5°	3880.0	3825.5	3906.1	3986.3	4078.0	4169.4	4286.3	4403.4	4495.4	4587.5
3845.6	55°	3759.0	3672.7	3787.0	3901.0	3999.7	4098.4	4200.9	4303.1	4400.6	4498.3
3792.1	57.5°	3666.0	3539.9	3662.8	3785.7	3901.6	4017.5	4118.8	4220.3	4318.7	4416.8
3741.8	60°	3578.5	3414.8	3522.7	3630.4	3763.4	3896.5	3999.4	4102.5	4201.2	4299.9
3683.2	62.5°	3478.8	3274.7	3343.2	3411.6	3566.7	3722.1	3831.9	3941.7	4032.2	4122.6
3559.7	65°	3342.5	3125.1	3151.5	3177.6	3343.8	3510.3	3615.4	3720.5	3800.1	3879.7
3339.3	67.5°	3158.5	2977.6	2969.4	2961.1	3114.6	3268.3	3368.0	3467.3	3536.1	3604.9
3059.8	70°	2931.2	2802.5	2773.9	2745.2	2880.2	3015.2	3101.2	3187.1	3249.2	3311.3
2748.4	72.5°	2660.2	2572.0	2530.0	2488.3	2594.6	2700.6	2778.3	2856.0	2916.8	2977.6
2395.0	75°	2327.2	2259.0	2218.9	2178.5	2257.4	2336.4	2406.8	2477.1	2532.5	2587.9
2040.9	77.5°	1986.5	1932.0	1891.3	1850.5	1914.8	1978.8	2039.3	2099.8	2158.1	2216.0
1637.2	80°	1591.7	1545.8	1511.7	1477.4	1530.8	1584.0	1635.0	1685.9	1730.2	1774.1
1204.2	82.5°	1181.9	1159.6	1135.4	1111.2	1106.7	1102.3	1084.5	1066.6	1160.9	1255.1
792.8	85°	768.9	745.0	718.0	690.9	668.0	644.8	595.4	546.0	634.2	722.8
350.2	87.5°	340.7	331.1	326.0	320.9	320.0	319.0	281.5	243.6	280.5	317.8
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°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
7681.3	2.5°	7651.1	7627.5	7603.9	7582.3	7560.3	7533.3	7560.3	7582.3	7603.9	7627.5
7227.3	5°	7185.6	7156.0	7126.3	7103.7	7081.1	7058.8	7081.1	7103.7	7126.3	7156.0
6955.0	7.5°	6905.4	6871.3	6837.6	6817.2	6797.1	6781.8	6797.1	6817.2	6837.6	6871.3
6876.7	10°	6820.7	6788.5	6756.4	6739.2	6722.0	6715.0	6722.0	6739.2	6756.4	6788.5
7017.5	12.5°	6945.8	6909.8	6874.2	6859.5	6844.9	6842.3	6844.9	6859.5	6874.2	6909.8
7313.6	15°	7204.7	7154.7	7105.0	7085.9	7066.8	7065.2	7066.8	7085.9	7105.0	7154.7
7614.1	17.5°	7453.7	7379.8	7305.6	7281.4	7256.9	7253.1	7256.9	7281.4	7305.6	7379.8
7801.3	20°	7604.9	7510.3	7415.4	7385.2	7355.0	7345.4	7355.0	7385.2	7415.4	7510.3
7813.1	22.5°	7610.3	7510.6	7410.7	7377.2	7343.8	7329.5	7343.8	7377.2	7410.7	7510.6
7635.8	25°	7456.2	7369.6	7283.3	7251.8	7220.6	7202.1	7220.6	7251.8	7283.3	7369.6
7294.1	27.5°	7154.4	7096.4	7038.1	7023.8	7009.5	7004.7	7009.5	7023.8	7038.1	7096.4
6883.1	30°	6782.5	6752.9	6722.9	6722.9	6722.9	6727.7	6722.9	6722.9	6722.9	6752.9
6489.2	32.5°	6409.3	6389.9	6370.5	6373.0	6375.9	6380.7	6375.9	6373.0	6370.5	6389.9
6153.3	35°	6079.8	6050.2	6020.9	6014.5	6008.1	6005.0	6008.1	6014.5	6020.9	6050.2
5867.7	37.5°	5799.6	5745.8	5692.3	5664.0	5635.6	5619.7	5635.6	5664.0	5692.3	5745.8
5600.3	40°	5542.6	5464.3	5386.6	5333.8	5281.6	5250.4	5281.6	5333.8	5386.6	5464.3
5330.6	42.5°	5282.2	5185.1	5088.0	5011.2	4934.5	4884.2	4934.5	5011.2	5088.0	5185.1
5069.5	45°	5025.9	4914.8	4804.0	4713.9	4623.8	4565.8	4623.8	4713.9	4804.0	4914.8
4853.6	47.5°	4823.1	4724.4	4625.7	4542.2	4459.1	4403.4	4459.1	4542.2	4625.7	4724.4
4703.3	50°	4702.1	4623.1	4544.2	4467.1	4390.0	4336.6	4390.0	4467.1	4544.2	4623.1
4604.0	52.5°	4620.6	4556.3	4491.9	4422.8	4354.1	4304.7	4354.1	4422.8	4491.9	4556.3
4521.2	55°	4544.2	4488.1	4432.1	4371.6	4311.1	4266.5	4311.1	4371.6	4432.1	4488.1
4440.0	57.5°	4463.3	4406.6	4349.9	4290.1	4229.9	4183.7	4229.9	4290.1	4349.9	4406.6
4325.4	60°	4350.9	4295.5	4240.4	4178.6	4116.9	4069.1	4116.9	4178.6	4240.4	4295.5
4147.1	62.5°	4171.6	4121.6	4071.7	4006.7	3941.7	3884.4	3941.7	4006.7	4071.7	4121.6
3904.8	65°	3929.6	3881.6	3833.5	3770.4	3707.7	3658.4	3707.7	3770.4	3833.5	3881.6
3629.4	67.5°	3653.6	3609.3	3565.4	3506.8	3448.2	3403.7	3448.2	3506.8	3565.4	3609.3
3334.9	70°	3358.4	3322.5	3286.5	3230.4	3174.4	3123.5	3174.4	3230.4	3286.5	3322.5
3005.7	72.5°	3033.7	3003.8	2973.8	2920.3	2867.2	2817.8	2867.2	2920.3	2973.8	3003.8
2617.2	75°	2646.5	2631.9	2617.2	2572.3	2527.4	2480.3	2527.4	2572.3	2617.2	2631.9
2243.4	77.5°	2270.8	2250.4	2229.4	2184.2	2139.0	2101.4	2139.0	2184.2	2229.4	2250.4
1810.4	80°	1846.7	1837.8	1829.2	1768.4	1707.2	1636.6	1707.2	1768.4	1829.2	1837.8
1316.9	82.5°	1378.7	1374.8	1370.7	1319.4	1267.9	1222.6	1267.9	1319.4	1370.7	1374.8
799.2	85°	875.6	869.2	862.9	822.7	782.6	741.9	782.6	822.7	862.9	869.2
348.6	87.5°	379.5	371.9	363.6	343.2	322.2	302.5	322.2	343.2	363.6	371.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
7651.1	2.5°	7681.3	7711.6	7749.1	7786.4	7834.5	7882.9	7930.9	7979.0	8033.8	8088.9
7185.6	5°	7227.3	7269.0	7328.8	7388.4	7466.1	7543.4	7628.8	7714.1	7810.6	7907.4
6905.4	7.5°	6955.0	7004.7	7075.4	7146.4	7241.0	7335.9	7443.5	7550.8	7678.1	7805.5
6820.7	10°	6876.7	6932.1	7017.1	7101.8	7208.5	7315.2	7431.1	7546.6	7674.0	7801.3
6945.8	12.5°	7017.5	7089.1	7197.3	7305.6	7415.8	7526.3	7616.7	7707.7	7791.8	7876.5
7204.7	15°	7313.6	7422.5	7576.6	7730.7	7826.5	7922.3	7945.9	7969.5	7958.0	7946.5
7453.7	17.5°	7614.1	7774.6	7978.7	8182.8	8259.8	8337.2	8263.7	8189.8	8051.0	7912.1
7604.9	20°	7801.3	7998.1	8231.2	8464.6	8500.5	8536.2	8381.8	8227.4	7986.0	7745.0
7610.3	22.5°	7813.1	8015.6	8238.5	8461.4	8440.0	8418.4	8217.5	8016.6	7740.9	7465.8
7456.2	25°	7635.8	7816.0	7998.4	8181.2	8107.6	8033.8	7836.1	7638.3	7390.6	7143.2
7154.4	27.5°	7294.1	7433.9	7563.8	7694.0	7611.6	7529.4	7370.9	7212.3	7009.2	6805.7
6782.5	30°	6883.1	6983.1	7082.4	7181.4	7114.6	7047.7	6915.9	6784.4	6615.6	6446.9
6409.3	32.5°	6489.2	6569.2	6660.5	6751.6	6677.1	6602.9	6476.5	6350.4	6215.4	6080.7
6079.8	35°	6153.3	6227.2	6291.8	6356.8	6267.6	6178.5	6053.4	5928.5	5826.0	5723.2
5799.6	37.5°	5867.7	5935.5	5965.5	5995.4	5885.2	5775.1	5650.3	5525.8	5452.2	5378.4
5542.6	40°	5600.3	5657.9	5650.9	5643.6	5516.5	5389.8	5269.5	5149.1	5095.9	5042.8
5282.2	42.5°	5330.6	5379.3	5342.7	5306.1	5169.2	5032.3	4917.9	4804.0	4760.3	4717.0
5025.9	45°	5069.5	5113.4	5060.9	5008.4	4866.4	4724.4	4616.1	4507.9	4470.9	4434.6
4823.1	47.5°	4853.6	4884.2	4823.7	4763.2	4623.1	4483.0	4377.3	4271.3	4237.2	4202.8
4702.1	50°	4703.3	4705.3	4627.6	4549.9	4424.4	4299.0	4199.3	4099.4	4045.5	3992.1
4620.6	52.5°	4604.0	4587.5	4495.4	4403.4	4286.3	4169.4	4078.0	3986.3	3906.1	3825.5
4544.2	55°	4521.2	4498.3	4400.6	4303.1	4200.9	4098.4	3999.7	3901.0	3787.0	3672.7
4463.3	57.5°	4440.0	4416.8	4318.7	4220.3	4118.8	4017.5	3901.6	3785.7	3662.8	3539.9
4350.9	60°	4325.4	4299.9	4201.2	4102.5	3999.4	3896.5	3763.4	3630.4	3522.7	3414.8
4171.6	62.5°	4147.1	4122.6	4032.2	3941.7	3831.9	3722.1	3566.7	3411.6	3343.2	3274.7
3929.6	65°	3904.8	3879.7	3800.1	3720.5	3615.4	3510.3	3343.8	3177.6	3151.5	3125.1
3653.6	67.5°	3629.4	3604.9	3536.1	3467.3	3368.0	3268.3	3114.6	2961.1	2969.4	2977.6
3358.4	70°	3334.9	3311.3	3249.2	3187.1	3101.2	3015.2	2880.2	2745.2	2773.9	2802.5
3033.7	72.5°	3005.7	2977.6	2916.8	2856.0	2778.3	2700.6	2594.6	2488.3	2530.0	2572.0
2646.5	75°	2617.2	2587.9	2532.5	2477.1	2406.8	2336.4	2257.4	2178.5	2218.9	2259.0
2270.8	77.5°	2243.4	2216.0	2158.1	2099.8	2039.3	1978.8	1914.8	1850.5	1891.3	1932.0
1846.7	80°	1810.4	1774.1	1730.2	1685.9	1635.0	1584.0	1530.8	1477.4	1511.7	1545.8
1378.7	82.5°	1316.9	1255.1	1160.9	1066.6	1084.5	1102.3	1106.7	1111.2	1135.4	1159.6
875.6	85°	799.2	722.8	634.2	546.0	595.4	644.8	668.0	690.9	718.0	745.0
379.5	87.5°	348.6	317.8	280.5	243.6	281.5	319.0	320.0	320.9	326.0	331.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
8149.7	2.5°	8210.8	8286.3	8354.1	8424.1	8494.2	8567.4	8640.6	8713.2	8786.1	8854.6
8022.9	5°	8138.2	8270.3	8404.1	8545.8	8687.4	8839.0	8990.9	9141.5	9292.4	9443.6
7958.6	7.5°	8112.1	8283.1	8465.5	8663.2	8861.0	9085.4	9309.9	9540.4	9770.9	10020.2
7963.1	10°	8124.8	8308.6	8533.7	8768.0	9001.7	9274.6	9547.1	9851.5	10156.2	10471.7
8008.3	12.5°	8140.8	8311.7	8548.3	8812.9	9077.5	9399.1	9720.6	10065.8	10410.9	10757.3
8009.6	15°	8072.9	8209.8	8471.9	8778.2	9084.5	9454.8	9825.1	10199.5	10573.9	10935.3
7889.2	17.5°	7866.0	7950.4	8258.6	8626.9	8995.3	9425.2	9855.0	10263.5	10672.0	11038.5
7636.7	20°	7528.5	7550.8	7909.6	8366.2	8822.8	9343.7	9864.6	10313.5	10762.4	11143.6
7305.6	22.5°	7145.4	7101.8	7510.3	8060.2	8610.1	9243.7	9877.3	10381.0	10884.4	11273.8
6958.6	25°	6773.9	6656.1	7074.8	7718.6	8362.7	9145.0	9927.6	10503.3	11078.6	11459.7
6627.4	27.5°	6449.1	6305.8	6687.0	7406.2	8125.5	9079.1	10032.7	10694.3	11355.6	11719.5
6304.9	30°	6163.5	6051.1	6371.1	7145.1	7919.2	9048.2	10176.6	10941.7	11706.8	12058.0
5997.0	32.5°	5913.3	5863.3	6121.2	6920.0	7718.6	9010.0	10300.8	11199.9	12099.1	12446.7
5699.9	35°	5677.0	5697.7	5912.6	6698.7	7484.9	8938.0	10391.8	11494.1	12596.4	12929.8
5403.8	37.5°	5429.3	5505.1	5692.9	6438.3	7183.7	8814.8	10445.9	11823.6	13201.3	13626.1
5100.4	40°	5158.0	5274.2	5444.6	6127.5	6810.5	8645.1	10480.0	12242.0	14003.7	14622.7
4793.5	42.5°	4869.9	5016.3	5173.3	5784.6	6395.9	8470.0	10544.6	12789.3	15034.0	15927.5
4508.8	45°	4583.3	4725.0	4884.2	5420.4	5956.6	8307.3	10658.3	13509.6	16360.8	17565.9
4265.2	47.5°	4327.6	4449.6	4655.0	5132.2	5609.5	8172.9	10736.3	14276.9	17817.5	19513.9
4047.1	50°	4102.5	4244.2	4514.2	4940.9	5367.5	8026.5	10685.4	14988.8	19292.3	21849.6
3880.0	52.5°	3934.7	4132.8	4443.2	4814.8	5186.7	7779.1	10371.8	15451.1	20530.2	24303.2
3759.0	55°	3845.6	4143.9	4432.7	4723.4	5014.1	7369.0	9723.8	15349.2	20974.4	26478.5
3666.0	57.5°	3792.1	4155.1	4409.8	4615.2	4820.5	6790.8	8760.7	14632.2	20504.1	28020.1
3578.5	60°	3741.8	4120.0	4288.2	4449.6	4611.0	6040.0	7468.9	13297.8	19126.7	28405.4
3478.8	62.5°	3683.2	4034.1	4054.8	4161.8	4269.1	5141.5	6013.9	11493.5	16973.1	26783.2
3342.5	65°	3559.7	3827.1	3824.6	3875.2	3925.8	4333.1	4740.3	9652.5	14565.0	24487.9
3158.5	67.5°	3339.3	3489.6	3496.6	3468.6	3440.3	3556.2	3671.7	7849.1	12026.5	21756.3
2931.2	70°	3059.8	3109.1	3109.1	2978.3	2847.1	2814.3	2781.2	6180.1	9579.0	18775.8
2660.2	72.5°	2748.4	2747.8	2716.6	2530.9	2345.0	2245.0	2145.4	4724.7	7304.0	15544.7
2327.2	75°	2395.0	2407.1	2263.2	2054.9	1846.7	1756.3	1665.8	3429.1	5192.4	11840.8
1986.5	77.5°	2040.9	2047.3	1810.1	1607.9	1405.7	1344.0	1282.5	2323.7	3364.8	8287.5
1591.7	80°	1637.2	1638.1	1354.8	1183.8	1012.5	987.0	961.6	1497.1	2033.0	5339.5
1181.9	82.5°	1204.2	1190.8	948.8	822.7	696.7	691.6	687.1	920.8	1155.1	3090.4
768.9	85°	792.8	775.3	595.4	503.1	410.7	413.3	415.5	492.2	569.3	1390.1
340.7	87.5°	350.2	327.9	253.1	215.2	177.7	179.9	182.1	204.1	226.1	455.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
8923.1	2.5°	8956.8	8990.9	9039.0	9087.0	9115.7	9144.3	9158.7	9173.0	9166.6	9173.0
9594.9	5°	9713.0	9831.4	9948.6	10066.1	10129.8	10193.5	10232.0	10270.8	10300.1	10270.8
10269.9	7.5°	10462.2	10654.2	10827.1	11000.0	11104.1	11208.2	11264.5	11320.6	11347.6	11320.6
10787.3	10°	11014.6	11241.9	11444.8	11647.6	11770.5	11892.7	11947.5	12001.9	12022.6	12001.9
11104.1	12.5°	11350.5	11596.6	11780.0	11962.8	12051.9	12141.1	12171.0	12200.9	12204.1	12200.9
11296.7	15°	11509.4	11721.8	11836.7	11952.0	11955.1	11958.3	11926.5	11894.6	11857.1	11894.6
11405.0	17.5°	11548.6	11692.1	11694.4	11696.3	11567.3	11438.4	11320.3	11201.8	11118.4	11201.8
11524.4	20°	11574.3	11624.6	11473.4	11322.2	11037.5	10752.9	10545.6	10338.3	10211.0	10338.3
11662.9	22.5°	11597.3	11531.7	11218.4	10905.1	10486.4	10067.7	9808.5	9549.3	9408.6	9549.3
11841.2	25°	11634.2	11427.2	10951.6	10475.9	9967.4	9458.9	9186.4	8914.5	8781.4	8914.5
12083.1	27.5°	11713.2	11342.9	10712.8	10083.0	9519.4	8955.9	8687.8	8420.0	8294.2	8420.0
12409.5	30°	11857.7	11306.3	10530.6	9755.0	9167.9	8580.8	8332.1	8083.4	7966.3	8083.4
12794.8	32.5°	12039.2	11284.0	10406.5	9529.0	8977.2	8425.4	8230.2	8034.7	7950.4	8034.7
13262.8	35°	12338.2	11413.9	10499.4	9585.3	9202.0	8818.9	8773.4	8727.9	8720.9	8727.9
14050.8	37.5°	12963.2	11875.5	11044.5	10213.5	10188.7	10163.8	10372.1	10580.3	10688.6	10580.3
15241.6	40°	14058.8	12875.9	12257.9	11639.9	12076.1	12512.3	13018.6	13524.8	13777.0	13524.8
16820.9	42.5°	15647.3	14473.7	14117.7	13761.7	14713.1	15664.5	16585.3	17506.1	18046.7	17506.1
18771.1	45°	17716.8	16662.3	16505.3	16348.1	17872.2	19396.7	20909.7	22423.1	23341.6	22423.1
21210.0	47.5°	20184.4	19158.5	19126.7	19094.9	21293.7	23491.9	25707.0	27921.8	29222.4	27921.8
24406.7	50°	23139.8	21873.2	21878.6	21884.0	24717.7	27551.5	30475.3	33399.1	35166.9	33399.1
28076.2	52.5°	26542.2	25008.4	24853.4	24698.0	28082.9	31467.7	35085.4	38702.7	40821.6	38702.7
31982.9	55°	30467.3	28951.8	28347.1	27742.5	31509.8	35276.7	39589.4	43902.1	46422.2	43902.1
35536.2	57.5°	34710.9	33885.3	32672.6	31460.1	35264.0	39067.9	43952.7	48837.2	51962.3	48837.2
37683.8	60°	38965.7	40247.8	38741.8	37235.8	40835.6	44435.4	49665.4	54895.3	58272.9	54895.3
36593.3	62.5°	40096.0	43598.6	43428.9	43258.9	46556.5	49854.5	54830.4	59806.0	62927.8	59806.0
34410.7	65°	37698.1	40985.6	41636.0	42286.2	46476.9	50668.0	55493.0	60317.6	62975.6	60317.6
31486.2	67.5°	34612.9	37739.5	38044.5	38349.2	42715.7	47081.9	51927.6	56773.2	58855.6	56773.2
27972.7	70°	31373.5	34774.6	34910.9	35047.5	38952.3	42856.8	47026.8	51196.5	52353.9	51196.5
23785.8	72.5°	27688.4	31591.3	31689.3	31787.1	34842.1	37897.1	41020.3	44143.1	44260.3	44143.1
18489.3	75°	22528.4	26567.6	26930.3	27292.9	29669.8	32046.6	34245.1	36443.6	35854.6	36443.6
13210.3	77.5°	16980.7	20751.5	21270.5	21789.4	23596.3	25403.2	26962.4	28521.9	27509.4	28521.9
8646.1	80°	11818.2	14990.1	15635.2	16280.2	17644.9	19008.9	19827.8	20646.4	19017.8	20646.4
5025.9	82.5°	7194.5	9363.4	10083.9	10804.8	11744.0	12683.3	13025.0	13366.3	12086.3	13366.3
2211.3	85°	3362.3	4513.3	5126.2	5739.1	6510.9	7282.4	7476.3	7670.2	6644.9	7670.2
684.6	87.5°	1071.4	1458.3	1800.2	2142.2	2528.1	2914.0	2930.5	2946.8	2473.9	2946.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
8297.4	0°	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4	8297.4
9158.7	2.5°	9144.3	9115.7	9087.0	9039.0	8990.9	8956.8	8923.1
10232.0	5°	10193.5	10129.8	10066.1	9948.6	9831.4	9713.0	9594.9
11264.5	7.5°	11208.2	11104.1	11000.0	10827.1	10654.2	10462.2	10269.9
11947.5	10°	11892.7	11770.5	11647.6	11444.8	11241.9	11014.6	10787.3
12171.0	12.5°	12141.1	12051.9	11962.8	11780.0	11596.6	11350.5	11104.1
11926.5	15°	11958.3	11955.1	11952.0	11836.7	11721.8	11509.4	11296.7
11320.3	17.5°	11438.4	11567.3	11696.3	11694.4	11692.1	11548.6	11405.0
10545.6	20°	10752.9	11037.5	11322.2	11473.4	11624.6	11574.3	11524.4
9808.5	22.5°	10067.7	10486.4	10905.1	11218.4	11531.7	11597.3	11662.9
9186.4	25°	9458.9	9967.4	10475.9	10951.6	11427.2	11634.2	11841.2
8687.8	27.5°	8955.9	9519.4	10083.0	10712.8	11342.9	11713.2	12083.1
8332.1	30°	8580.8	9167.9	9755.0	10530.6	11306.3	11857.7	12409.5
8230.2	32.5°	8425.4	8977.2	9529.0	10406.5	11284.0	12039.2	12794.8
8773.4	35°	8818.9	9202.0	9585.3	10499.4	11413.9	12338.2	13262.8
10372.1	37.5°	10163.8	10188.7	10213.5	11044.5	11875.5	12963.2	14050.8
13018.6	40°	12512.3	12076.1	11639.9	12257.9	12875.9	14058.8	15241.6
16585.3	42.5°	15664.5	14713.1	13761.7	14117.7	14473.7	15647.3	16820.9
20909.7	45°	19396.7	17872.2	16348.1	16505.3	16662.3	17716.8	18771.1
25707.0	47.5°	23491.9	21293.7	19094.9	19126.7	19158.5	20184.4	21210.0
30475.3	50°	27551.5	24717.7	21884.0	21878.6	21873.2	23139.8	24406.7
35085.4	52.5°	31467.7	28082.9	24698.0	24853.4	25008.4	26542.2	28076.2
39589.4	55°	35276.7	31509.8	27742.5	28347.1	28951.8	30467.3	31982.9
43952.7	57.5°	39067.9	35264.0	31460.1	32672.6	33885.3	34710.9	35536.2
49665.4	60°	44435.4	40835.6	37235.8	38741.8	40247.8	38965.7	37683.8
54830.4	62.5°	49854.5	46556.5	43258.9	43428.9	43598.6	40096.0	36593.3
55493.0	65°	50668.0	46476.9	42286.2	41636.0	40985.6	37698.1	34410.7
51927.6	67.5°	47081.9	42715.7	38349.2	38044.5	37739.5	34612.9	31486.2
47026.8	70°	42856.8	38952.3	35047.5	34910.9	34774.6	31373.5	27972.7
41020.3	72.5°	37897.1	34842.1	31787.1	31689.3	31591.3	27688.4	23785.8
34245.1	75°	32046.6	29669.8	27292.9	26930.3	26567.6	22528.4	18489.3
26962.4	77.5°	25403.2	23596.3	21789.4	21270.5	20751.5	16980.7	13210.3
19827.8	80°	19008.9	17644.9	16280.2	15635.2	14990.1	11818.2	8646.1
13025.0	82.5°	12683.3	11744.0	10804.8	10083.9	9363.4	7194.5	5025.9
7476.3	85°	7282.4	6510.9	5739.1	5126.2	4513.3	3362.3	2211.3
2930.5	87.5°	2914.0	2528.1	2142.2	1800.2	1458.3	1071.4	684.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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