

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: P956098

Luminaire Tested: **GALN-SB8D-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8D-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76049 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

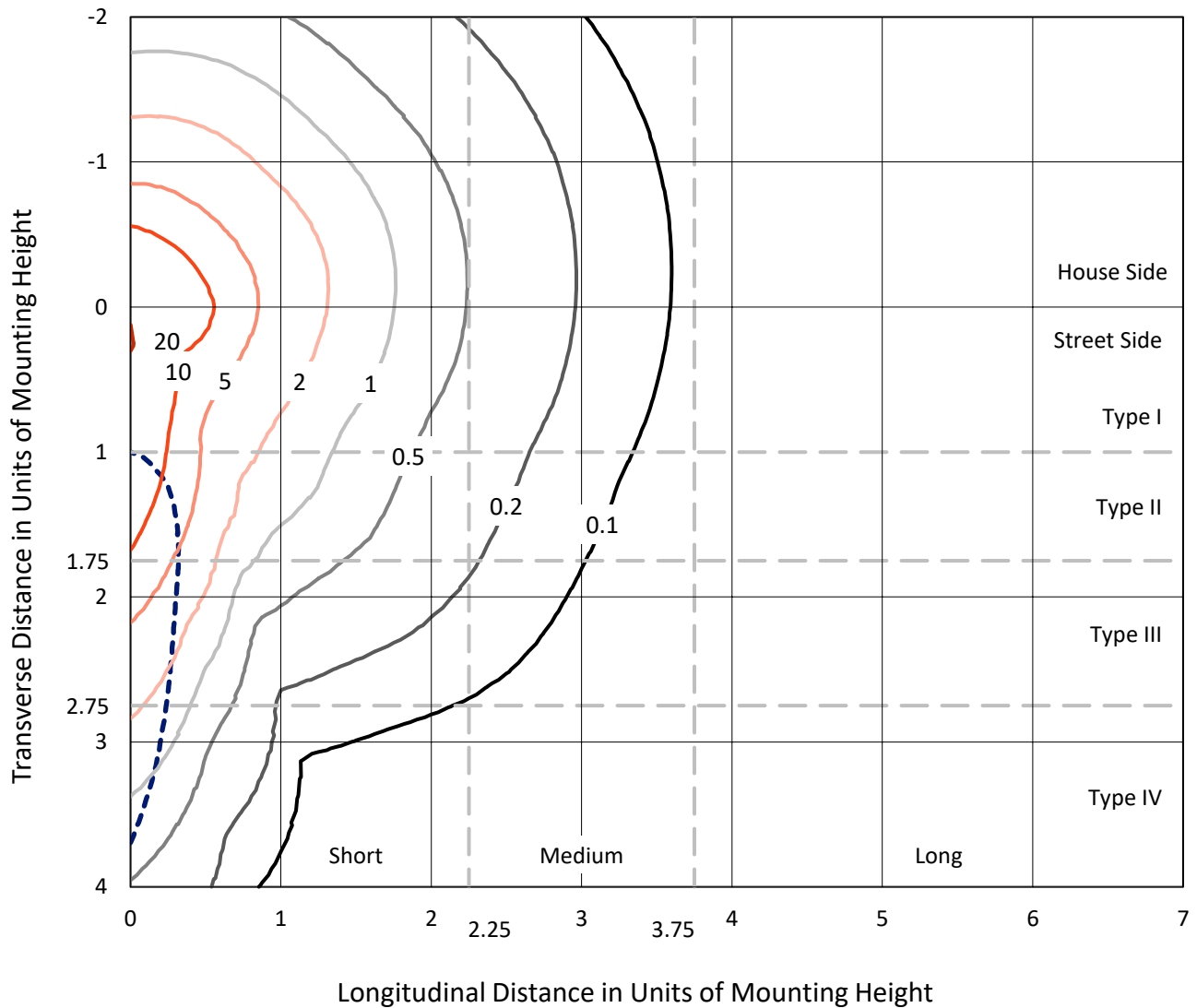
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

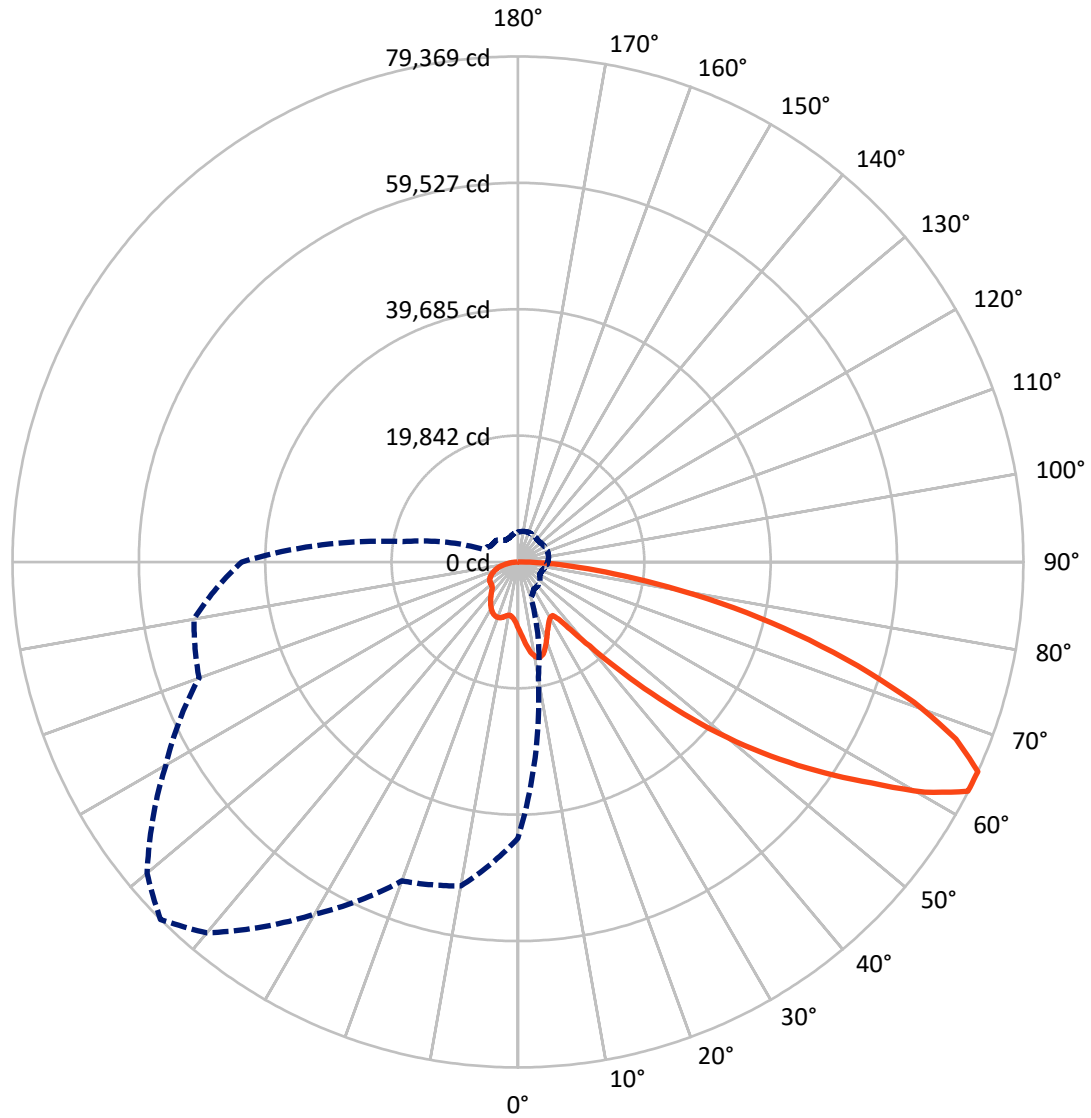
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19327.8	0.0	19327.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	56721.2	0.0	56721.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	76049.0	0.0	76049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1037.4	1.4
10°-20°	3256.5	4.3
20°-30°	5030.2	6.6
30°-40°	6374.5	8.4
40°-50°	9614.3	12.6
50°-60°	15533.4	20.4
60°-70°	19364.8	25.5
70°-80°	12698.5	16.7
80°-90°	3139.4	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°	76049.0	100.0
0°-180°	76049.0	100.0

Coefficient of Utilization



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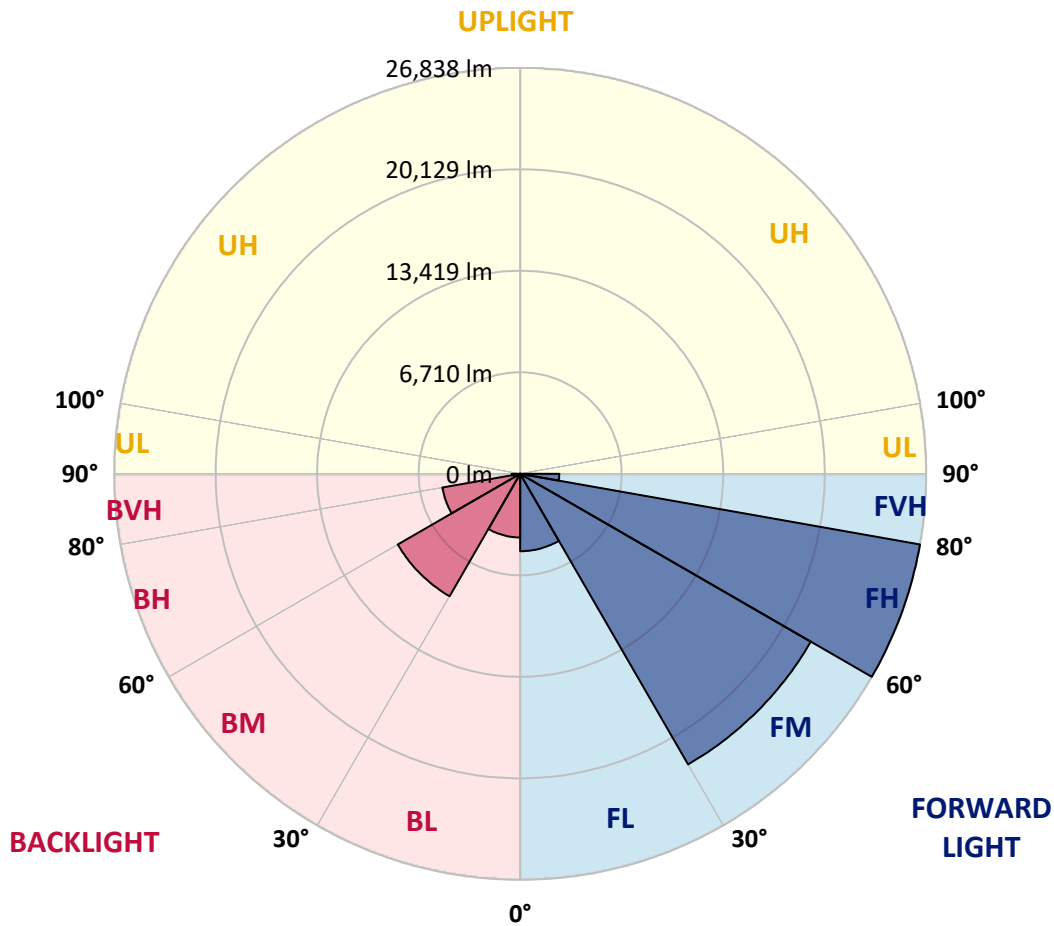
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5115.2	6.7			
FM (30°-60°)	22181.8	29.2			
FH (60°-80°)	26838.0	35.3			G5
FVH (80°-90°)	2586.2	3.4			G5
BL (0°-30°)	4208.9	5.5	B4/5000		
BM (30°-60°)	9340.4	12.3	B5		
BH (60°-80°)	5225.3	6.9	B5		G5
BVH (80°-90°)	553.2	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
2.5°	11245.9	11159.6	11073.4	10981.5	10890.0	10797.7	10705.4	10617.1	10528.8	10443.3
5°	12092.6	11902.0	11711.4	11521.2	11331.4	11140.0	10949.0	10770.4	10591.8	10423.3
7.5°	12943.3	12628.7	12314.5	12024.0	11733.5	11450.6	11167.7	10918.5	10669.3	10439.3
10°	13595.4	13197.7	12800.1	12416.0	12032.4	11688.9	11345.0	11050.5	10755.1	10471.4
12.5°	13994.7	13557.7	13121.1	12686.1	12251.1	11845.8	11440.5	11107.1	10773.6	10475.5
15°	14237.5	13782.0	13326.6	12854.6	12382.7	11916.1	11449.4	11063.3	10677.3	10347.0
17.5°	14373.9	13912.0	13450.1	12935.3	12420.5	11878.7	11337.0	10872.7	10408.4	10020.0
20°	14524.4	14044.4	13564.1	12998.3	12432.5	11776.0	11119.5	10544.1	9968.6	9516.4
22.5°	14698.9	14208.6	13717.8	13083.4	12448.6	11650.0	10851.5	10158.4	9465.4	8950.6
25°	14923.7	14442.9	13962.6	13237.5	12512.0	11525.6	10539.7	9727.9	8916.5	8388.8
27.5°	15228.6	14770.4	14311.7	13478.2	12644.4	11442.5	10240.7	9334.2	8427.7	7947.4
30°	15639.9	15196.9	14754.3	13790.0	12825.8	11403.6	9980.7	9005.2	8029.6	7626.4
32.5°	16125.5	15686.9	15248.7	14115.5	12982.3	11355.5	9727.9	8721.4	7714.6	7389.6
35°	16715.4	16295.6	15875.5	14486.3	13097.0	11264.8	9433.3	8442.6	7451.8	7180.9
37.5°	17708.5	17173.2	16637.9	14901.6	13165.2	11109.5	9053.7	8114.3	7174.9	6938.2
40°	19209.3	18429.2	17649.2	15428.9	13208.2	10895.6	8583.4	7722.7	6861.9	6647.2
42.5°	21199.7	20073.7	18947.7	16118.7	13289.6	10674.9	8060.9	7290.5	6520.0	6322.2
45°	23657.5	22138.7	20619.8	17026.4	13432.9	10469.8	7507.2	6831.4	6155.7	5955.0
47.5°	26731.4	24593.7	22455.7	17993.5	13531.2	10300.5	7069.8	6468.3	5866.7	5607.9
50°	30760.2	27537.5	24314.4	18890.7	13467.0	10115.9	6764.8	6227.1	5689.4	5349.1
52.5°	35385.0	30629.8	25874.6	19473.4	13071.7	9804.1	6536.9	6068.2	5599.9	5208.6
55°	40308.7	33371.4	26434.4	19345.0	12255.1	9287.3	6319.4	5953.0	5586.6	5222.7
57.5°	44787.0	35314.4	25841.7	18441.3	11041.3	8558.5	6075.4	5816.6	5557.7	5236.7
60°	47493.7	35799.9	24105.8	16759.5	9413.3	7612.3	5811.4	5607.9	5404.5	5192.6
62.5°	46119.3	33755.4	21391.5	14485.5	7579.4	6479.9	5380.4	5245.1	5110.3	5084.2
65°	43368.5	30862.6	18356.6	12165.2	5974.3	5461.0	4947.8	4884.0	4820.2	4823.4
67.5°	39682.7	27420.0	15157.2	9892.4	4627.6	4481.9	4335.8	4371.6	4406.9	4398.0
70°	35254.6	23663.6	12072.5	7788.9	3505.2	3546.9	3588.3	3753.6	3918.5	3918.5
72.5°	29977.7	19591.4	9205.4	5954.6	2703.8	2829.4	2955.4	3189.8	3423.7	3463.1
75°	23302.4	14923.3	6544.1	4321.8	2099.5	2213.5	2327.4	2589.9	2852.3	3033.7
77.5°	16649.2	10445.0	4240.7	2928.6	1616.4	1693.8	1771.7	2026.5	2281.3	2580.2
80°	10896.8	6729.5	2562.2	1886.8	1211.9	1244.0	1276.1	1492.0	1707.5	2064.6
82.5°	6334.2	3894.8	1455.8	1160.5	866.0	871.6	878.0	1036.9	1195.8	1500.8
85°	2786.9	1752.0	717.5	620.4	523.7	520.9	517.7	634.0	750.4	977.1
87.5°	862.8	573.8	284.9	257.2	229.5	226.7	223.9	271.3	319.0	413.3
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°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
10348.2	2.5°	10271.2	10194.6	10125.1	10056.1	9995.5	9934.9	9873.9	9813.3	9766.4	9719.0
10256.8	5°	10111.5	9965.8	9843.8	9722.2	9614.7	9507.2	9409.6	9311.7	9236.7	9161.3
10223.8	7.5°	10030.4	9837.4	9676.9	9516.4	9381.2	9245.5	9125.9	9006.8	8917.3	8828.2
10239.9	10°	10036.0	9832.2	9671.7	9511.2	9365.5	9219.4	9085.0	8950.6	8843.8	8736.7
10260.0	12.5°	10093.0	9926.9	9820.2	9714.2	9599.5	9485.5	9346.2	9207.4	9071.0	8934.5
10174.5	15°	10094.6	10015.2	10029.6	10044.1	10014.4	9984.7	9863.9	9743.1	9548.9	9354.7
9913.7	17.5°	9942.9	9971.8	10146.8	10321.8	10414.9	10507.6	10410.0	10312.9	10055.7	9798.5
9488.3	20°	9624.7	9761.2	10064.9	10369.1	10563.7	10758.4	10713.4	10668.1	10373.9	10080.2
9005.6	22.5°	9207.4	9409.2	9756.0	10103.5	10356.7	10609.9	10637.2	10664.1	10383.2	10102.3
8537.3	25°	8770.0	9002.7	9314.5	9626.7	9875.9	10125.1	10218.2	10310.9	10080.6	9850.7
8128.0	27.5°	8352.7	8577.4	8833.8	9089.8	9289.7	9489.5	9593.0	9697.0	9532.8	9369.1
7768.0	30°	7946.2	8125.1	8337.8	8550.5	8716.2	8882.4	8966.6	9050.9	8926.1	8800.9
7452.6	32.5°	7558.1	7663.7	7833.4	8003.6	8162.5	8321.8	8415.3	8509.2	8394.4	8279.2
7154.8	35°	7183.7	7213.0	7342.6	7471.9	7629.2	7786.9	7899.2	8011.6	7929.7	7848.3
6842.6	37.5°	6810.5	6778.4	6871.5	6964.2	7121.1	7278.4	7417.3	7556.1	7518.4	7480.7
6500.8	40°	6428.1	6355.5	6422.5	6489.5	6641.2	6792.9	6952.6	7112.7	7121.9	7130.8
6137.6	42.5°	6041.3	5945.0	5999.6	6054.5	6198.2	6342.3	6514.8	6687.4	6733.5	6779.6
5776.4	45°	5682.5	5589.0	5634.8	5681.3	5817.8	5954.2	6133.2	6312.2	6378.4	6444.6
5454.2	47.5°	5375.6	5296.9	5340.3	5383.2	5516.8	5650.0	5826.6	6003.2	6079.4	6155.7
5170.5	50°	5100.7	5031.3	5098.7	5166.5	5292.5	5418.1	5576.2	5734.3	5832.2	5930.1
4959.0	52.5°	4890.0	4821.4	4922.9	5024.0	5139.6	5254.8	5402.0	5549.7	5665.7	5781.7
4846.7	55°	4737.5	4628.8	4772.8	4916.5	5040.9	5165.3	5294.5	5423.3	5546.1	5669.3
4779.3	57.5°	4620.4	4461.4	4616.3	4771.2	4917.3	5063.4	5191.0	5319.0	5443.0	5566.6
4715.9	60°	4510.0	4303.7	4439.8	4575.4	4743.1	4910.9	5040.5	5170.5	5294.9	5419.3
4642.0	62.5°	4384.4	4127.2	4213.5	4299.7	4495.2	4691.0	4829.4	4967.9	5081.8	5195.8
4486.3	65°	4212.7	3938.6	3971.9	4004.8	4214.3	4424.1	4556.5	4689.0	4789.3	4889.6
4208.6	67.5°	3980.7	3752.8	3742.4	3731.9	3925.3	4119.2	4244.8	4370.0	4456.6	4543.3
3856.3	70°	3694.2	3532.1	3496.0	3459.8	3630.0	3800.1	3908.5	4016.8	4095.1	4173.3
3463.9	72.5°	3352.7	3241.6	3188.6	3136.0	3270.0	3403.7	3501.6	3599.5	3676.1	3752.8
3018.4	75°	2933.0	2847.1	2796.5	2745.6	2845.1	2944.6	3033.3	3122.0	3191.8	3261.6
2572.2	77.5°	2503.6	2435.0	2383.6	2332.2	2413.3	2494.0	2570.2	2646.5	2719.9	2792.9
2063.4	80°	2006.0	1948.2	1905.3	1861.9	1929.4	1996.4	2060.6	2124.8	2180.6	2235.9
1517.6	82.5°	1489.6	1461.5	1431.0	1400.5	1394.9	1389.2	1366.8	1344.3	1463.1	1581.9
999.2	85°	969.1	939.0	904.9	870.8	841.9	812.6	750.4	688.2	799.4	910.9
441.4	87.5°	429.4	417.3	410.9	404.5	403.3	402.1	354.7	307.0	353.5	400.5
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°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
9680.9	2.5°	9642.8	9613.1	9583.4	9556.1	9528.4	9494.3	9528.4	9556.1	9583.4	9613.1
9108.7	5°	9056.1	9018.8	8981.5	8953.0	8924.5	8896.4	8924.5	8953.0	8981.5	9018.8
8765.6	7.5°	8703.0	8660.1	8617.5	8591.8	8566.6	8547.3	8566.6	8591.8	8617.5	8660.1
8666.9	10°	8596.2	8555.7	8515.2	8493.5	8471.9	8463.0	8471.9	8493.5	8515.2	8555.7
8844.2	12.5°	8754.0	8708.6	8663.7	8645.2	8626.7	8623.5	8626.7	8645.2	8663.7	8708.6
9217.4	15°	9080.2	9017.2	8954.6	8930.5	8906.4	8904.4	8906.4	8930.5	8954.6	9017.2
9596.2	17.5°	9394.0	9300.9	9207.4	9176.9	9146.0	9141.2	9146.0	9176.9	9207.4	9300.9
9832.2	20°	9584.6	9465.4	9345.8	9307.7	9269.6	9257.6	9269.6	9307.7	9345.8	9465.4
9847.0	22.5°	9591.4	9465.8	9339.8	9297.7	9255.6	9237.5	9255.6	9297.7	9339.8	9465.8
9623.5	25°	9397.2	9288.1	9179.3	9139.6	9100.3	9077.0	9100.3	9139.6	9179.3	9288.1
9193.0	27.5°	9016.8	8943.8	8870.3	8852.3	8834.2	8828.2	8834.2	8852.3	8870.3	8943.8
8674.9	30°	8548.1	8510.8	8473.1	8473.1	8473.1	8479.1	8473.1	8473.1	8473.1	8510.8
8178.5	32.5°	8077.8	8053.3	8028.8	8032.0	8035.7	8041.7	8035.7	8032.0	8028.8	8053.3
7755.2	35°	7662.5	7625.1	7588.2	7580.2	7572.2	7568.2	7572.2	7580.2	7588.2	7625.1
7395.2	37.5°	7309.3	7241.5	7174.1	7138.4	7102.7	7082.6	7102.7	7138.4	7174.1	7241.5
7058.1	40°	6985.5	6886.8	6788.9	6722.3	6656.5	6617.1	6656.5	6722.3	6788.9	6886.8
6718.3	42.5°	6657.3	6534.9	6412.5	6315.8	6219.1	6155.7	6219.1	6315.8	6412.5	6534.9
6389.2	45°	6334.2	6194.2	6054.5	5941.0	5827.4	5754.4	5827.4	5941.0	6054.5	6194.2
6117.1	47.5°	6078.6	5954.2	5829.8	5724.7	5619.9	5549.7	5619.9	5724.7	5829.8	5954.2
5927.7	50°	5926.1	5826.6	5727.1	5630.0	5532.9	5465.5	5532.9	5630.0	5727.1	5826.6
5802.5	52.5°	5823.4	5742.3	5661.3	5574.2	5487.5	5425.3	5487.5	5574.2	5661.3	5742.3
5698.2	55°	5727.1	5656.5	5585.8	5509.6	5433.3	5377.2	5433.3	5509.6	5585.8	5656.5
5595.9	57.5°	5625.2	5553.7	5482.3	5406.9	5331.0	5272.8	5331.0	5406.9	5482.3	5553.7
5451.4	60°	5483.5	5413.7	5344.3	5266.4	5188.6	5128.4	5188.6	5266.4	5344.3	5413.7
5226.7	62.5°	5257.6	5194.6	5131.6	5049.7	4967.9	4895.6	4967.9	5049.7	5131.6	5194.6
4921.3	65°	4952.6	4892.0	4831.4	4752.0	4672.9	4610.7	4672.9	4752.0	4831.4	4892.0
4574.2	67.5°	4604.7	4548.9	4493.5	4419.7	4345.9	4289.7	4345.9	4419.7	4493.5	4548.9
4203.0	70°	4232.7	4187.4	4142.0	4071.4	4000.8	3936.6	4000.8	4071.4	4142.0	4187.4
3788.1	72.5°	3823.4	3785.7	3748.0	3680.6	3613.5	3551.3	3613.5	3680.6	3748.0	3785.7
3298.5	75°	3335.5	3317.0	3298.5	3242.0	3185.4	3126.0	3185.4	3242.0	3298.5	3317.0
2827.4	77.5°	2861.9	2836.3	2809.8	2752.8	2695.8	2648.5	2695.8	2752.8	2809.8	2836.3
2281.7	80°	2327.4	2316.2	2305.4	2228.7	2151.7	2062.6	2151.7	2228.7	2305.4	2316.2
1659.7	82.5°	1737.5	1732.7	1727.5	1662.9	1597.9	1540.9	1597.9	1662.9	1727.5	1732.7
1007.2	85°	1103.5	1095.5	1087.5	1036.9	986.3	935.0	986.3	1036.9	1087.5	1095.5
439.4	87.5°	478.3	468.7	458.3	432.6	406.1	381.2	406.1	432.6	458.3	468.7
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°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
9642.8	2.5°	9680.9	9719.0	9766.4	9813.3	9873.9	9934.9	9995.5	10056.1	10125.1	10194.6
9056.1	5°	9108.7	9161.3	9236.7	9311.7	9409.6	9507.2	9614.7	9722.2	9843.8	9965.8
8703.0	7.5°	8765.6	8828.2	8917.3	9006.8	9125.9	9245.5	9381.2	9516.4	9676.9	9837.4
8596.2	10°	8666.9	8736.7	8843.8	8950.6	9085.0	9219.4	9365.5	9511.2	9671.7	9832.2
8754.0	12.5°	8844.2	8934.5	9071.0	9207.4	9346.2	9485.5	9599.5	9714.2	9820.2	9926.9
9080.2	15°	9217.4	9354.7	9548.9	9743.1	9863.9	9984.7	10014.4	10044.1	10029.6	10015.2
9394.0	17.5°	9596.2	9798.5	10055.7	10312.9	10410.0	10507.6	10414.9	10321.8	10146.8	9971.8
9584.6	20°	9832.2	10080.2	10373.9	10668.1	10713.4	10758.4	10563.7	10369.1	10064.9	9761.2
9591.4	22.5°	9847.0	10102.3	10383.2	10664.1	10637.2	10609.9	10356.7	10103.5	9756.0	9409.2
9397.2	25°	9623.5	9850.7	10080.6	10310.9	10218.2	10125.1	9875.9	9626.7	9314.5	9002.7
9016.8	27.5°	9193.0	9369.1	9532.8	9697.0	9593.0	9489.5	9289.7	9089.8	8833.8	8577.4
8548.1	30°	8674.9	8800.9	8926.1	9050.9	8966.6	8882.4	8716.2	8550.5	8337.8	8125.1
8077.8	32.5°	8178.5	8279.2	8394.4	8509.2	8415.3	8321.8	8162.5	8003.6	7833.4	7663.7
7662.5	35°	7755.2	7848.3	7929.7	8011.6	7899.2	7786.9	7629.2	7471.9	7342.6	7213.0
7309.3	37.5°	7395.2	7480.7	7518.4	7556.1	7417.3	7278.4	7121.1	6964.2	6871.5	6778.4
6985.5	40°	7058.1	7130.8	7121.9	7112.7	6952.6	6792.9	6641.2	6489.5	6422.5	6355.5
6657.3	42.5°	6718.3	6779.6	6733.5	6687.4	6514.8	6342.3	6198.2	6054.5	5999.6	5945.0
6334.2	45°	6389.2	6444.6	6378.4	6312.2	6133.2	5954.2	5817.8	5681.3	5634.8	5589.0
6078.6	47.5°	6117.1	6155.7	6079.4	6003.2	5826.6	5650.0	5516.8	5383.2	5340.3	5296.9
5926.1	50°	5927.7	5930.1	5832.2	5734.3	5576.2	5418.1	5292.5	5166.5	5098.7	5031.3
5823.4	52.5°	5802.5	5781.7	5665.7	5549.7	5402.0	5254.8	5139.6	5024.0	4922.9	4821.4
5727.1	55°	5698.2	5669.3	5546.1	5423.3	5294.5	5165.3	5040.9	4916.5	4772.8	4628.8
5625.2	57.5°	5595.9	5566.6	5443.0	5319.0	5191.0	5063.4	4917.3	4771.2	4616.3	4461.4
5483.5	60°	5451.4	5419.3	5294.9	5170.5	5040.5	4910.9	4743.1	4575.4	4439.8	4303.7
5257.6	62.5°	5226.7	5195.8	5081.8	4967.9	4829.4	4691.0	4495.2	4299.7	4213.5	4127.2
4952.6	65°	4921.3	4889.6	4789.3	4689.0	4556.5	4424.1	4214.3	4004.8	3971.9	3938.6
4604.7	67.5°	4574.2	4543.3	4456.6	4370.0	4244.8	4119.2	3925.3	3731.9	3742.4	3752.8
4232.7	70°	4203.0	4173.3	4095.1	4016.8	3908.5	3800.1	3630.0	3459.8	3496.0	3532.1
3823.4	72.5°	3788.1	3752.8	3676.1	3599.5	3501.6	3403.7	3270.0	3136.0	3188.6	3241.6
3335.5	75°	3298.5	3261.6	3191.8	3122.0	3033.3	2944.6	2845.1	2745.6	2796.5	2847.1
2861.9	77.5°	2827.4	2792.9	2719.9	2646.5	2570.2	2494.0	2413.3	2332.2	2383.6	2435.0
2327.4	80°	2281.7	2235.9	2180.6	2124.8	2060.6	1996.4	1929.4	1861.9	1905.3	1948.2
1737.5	82.5°	1659.7	1581.9	1463.1	1344.3	1366.8	1389.2	1394.9	1400.5	1431.0	1461.5
1103.5	85°	1007.2	910.9	799.4	688.2	750.4	812.6	841.9	870.8	904.9	939.0
478.3	87.5°	439.4	400.5	353.5	307.0	354.7	402.1	403.3	404.5	410.9	417.3
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°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
10271.2	2.5°	10348.2	10443.3	10528.8	10617.1	10705.4	10797.7	10890.0	10981.5	11073.4	11159.6
10111.5	5°	10256.8	10423.3	10591.8	10770.4	10949.0	11140.0	11331.4	11521.2	11711.4	11902.0
10030.4	7.5°	10223.8	10439.3	10669.3	10918.5	11167.7	11450.6	11733.5	12024.0	12314.5	12628.7
10036.0	10°	10239.9	10471.4	10755.1	11050.5	11345.0	11688.9	12032.4	12416.0	12800.1	13197.7
10093.0	12.5°	10260.0	10475.5	10773.6	11107.1	11440.5	11845.8	12251.1	12686.1	13121.1	13557.7
10094.6	15°	10174.5	10347.0	10677.3	11063.3	11449.4	11916.1	12382.7	12854.6	13326.6	13782.0
9942.9	17.5°	9913.7	10020.0	10408.4	10872.7	11337.0	11878.7	12420.5	12935.3	13450.1	13912.0
9624.7	20°	9488.3	9516.4	9968.6	10544.1	11119.5	11776.0	12432.5	12998.3	13564.1	14044.4
9207.4	22.5°	9005.6	8950.6	9465.4	10158.4	10851.5	11650.0	12448.6	13083.4	13717.8	14208.6
8770.0	25°	8537.3	8388.8	8916.5	9727.9	10539.7	11525.6	12512.0	13237.5	13962.6	14442.9
8352.7	27.5°	8128.0	7947.4	8427.7	9334.2	10240.7	11442.5	12644.4	13478.2	14311.7	14770.4
7946.2	30°	7768.0	7626.4	8029.6	9005.2	9980.7	11403.6	12825.8	13790.0	14754.3	15196.9
7558.1	32.5°	7452.6	7389.6	7714.6	8721.4	9727.9	11355.5	12982.3	14115.5	15248.7	15686.9
7183.7	35°	7154.8	7180.9	7451.8	8442.6	9433.3	11264.8	13097.0	14486.3	15875.5	16295.6
6810.5	37.5°	6842.6	6938.2	7174.9	8114.3	9053.7	11109.5	13165.2	14901.6	16637.9	17173.2
6428.1	40°	6500.8	6647.2	6861.9	7722.7	8583.4	10895.6	13208.2	15428.9	17649.2	18429.2
6041.3	42.5°	6137.6	6322.2	6520.0	7290.5	8060.9	10674.9	13289.6	16118.7	18947.7	20073.7
5682.5	45°	5776.4	5955.0	6155.7	6831.4	7507.2	10469.8	13432.9	17026.4	20619.8	22138.7
5375.6	47.5°	5454.2	5607.9	5866.7	6468.3	7069.8	10300.5	13531.2	17993.5	22455.7	24593.7
5100.7	50°	5170.5	5349.1	5689.4	6227.1	6764.8	10115.9	13467.0	18890.7	24314.4	27537.5
4890.0	52.5°	4959.0	5208.6	5599.9	6068.2	6536.9	9804.1	13071.7	19473.4	25874.6	30629.8
4737.5	55°	4846.7	5222.7	5586.6	5953.0	6319.4	9287.3	12255.1	19345.0	26434.4	33371.4
4620.4	57.5°	4779.3	5236.7	5557.7	5816.6	6075.4	8558.5	11041.3	18441.3	25841.7	35314.4
4510.0	60°	4715.9	5192.6	5404.5	5607.9	5811.4	7612.3	9413.3	16759.5	24105.8	35799.9
4384.4	62.5°	4642.0	5084.2	5110.3	5245.1	5380.4	6479.9	7579.4	14485.5	21391.5	33755.4
4212.7	65°	4486.3	4823.4	4820.2	4884.0	4947.8	5461.0	5974.3	12165.2	18356.6	30862.6
3980.7	67.5°	4208.6	4398.0	4406.9	4371.6	4335.8	4481.9	4627.6	9892.4	15157.2	27420.0
3694.2	70°	3856.3	3918.5	3918.5	3753.6	3588.3	3546.9	3505.2	7788.9	12072.5	23663.6
3352.7	72.5°	3463.9	3463.1	3423.7	3189.8	2955.4	2829.4	2703.8	5954.6	9205.4	19591.4
2933.0	75°	3018.4	3033.7	2852.3	2589.9	2327.4	2213.5	2099.5	4321.8	6544.1	14923.3
2503.6	77.5°	2572.2	2580.2	2281.3	2026.5	1771.7	1693.8	1616.4	2928.6	4240.7	10445.0
2006.0	80°	2063.4	2064.6	1707.5	1492.0	1276.1	1244.0	1211.9	1886.8	2562.2	6729.5
1489.6	82.5°	1517.6	1500.8	1195.8	1036.9	878.0	871.6	866.0	1160.5	1455.8	3894.8
969.1	85°	999.2	977.1	750.4	634.0	517.7	520.9	523.7	620.4	717.5	1752.0
429.4	87.5°	441.4	413.3	319.0	271.3	223.9	226.7	229.5	257.2	284.9	573.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
11245.9	2.5°	11288.4	11331.4	11392.0	11452.6	11488.7	11524.8	11542.9	11560.9	11552.9	11560.9
12092.6	5°	12241.5	12390.8	12538.4	12686.5	12766.8	12847.0	12895.6	12944.5	12981.5	12944.5
12943.3	7.5°	13185.7	13427.7	13645.6	13863.5	13994.7	14125.9	14196.9	14267.6	14301.7	14267.6
13595.4	10°	13881.9	14168.4	14424.1	14679.7	14834.6	14988.7	15057.7	15126.3	15152.4	15126.3
13994.7	12.5°	14305.3	14615.5	14846.6	15076.9	15189.3	15301.7	15339.4	15377.1	15381.1	15377.1
14237.5	15°	14505.5	14773.2	14918.0	15063.3	15067.3	15071.3	15031.2	14991.1	14943.7	14991.1
14373.9	17.5°	14554.9	14735.9	14738.7	14741.1	14578.6	14416.0	14267.2	14117.9	14012.7	14117.9
14524.4	20°	14587.4	14650.8	14460.2	14269.6	13910.8	13552.1	13290.8	13029.6	12869.1	13029.6
14698.9	22.5°	14616.3	14533.6	14138.7	13743.9	13216.2	12688.5	12361.9	12035.2	11857.9	12035.2
14923.7	25°	14662.8	14402.0	13802.5	13203.0	12562.1	11921.3	11577.8	11235.1	11067.3	11235.1
15228.6	27.5°	14762.3	14295.6	13501.5	12707.8	11997.5	11287.2	10949.4	10611.9	10453.4	10611.9
15639.9	30°	14944.5	14249.5	13272.0	12294.5	11554.5	10814.5	10501.1	10187.7	10040.1	10187.7
16125.5	32.5°	15173.3	14221.4	13115.5	12009.5	11314.1	10618.7	10372.7	10126.3	10020.0	10126.3
16715.4	35°	15550.1	14385.1	13232.7	12080.6	11597.4	11114.7	11057.3	10999.9	10991.1	10999.9
17708.5	37.5°	16337.8	14967.0	13919.6	12872.3	12841.0	12809.7	13072.1	13334.6	13471.0	13334.6
19209.3	40°	17718.6	16227.8	15448.9	14670.0	15219.8	15769.6	16407.6	17045.6	17363.4	17045.6
21199.7	42.5°	19720.6	18241.4	17792.8	17344.2	18543.2	19742.2	20902.7	22063.3	22744.6	22063.3
23657.5	45°	22328.9	20999.9	20802.0	20603.8	22524.7	24446.1	26353.0	28260.2	29417.9	28260.2
26731.4	47.5°	25438.8	24145.9	24105.8	24065.6	26836.9	29607.3	32399.1	35190.4	36829.6	35190.4
30760.2	50°	29163.5	27567.2	27574.0	27580.9	31152.3	34723.7	38408.6	42093.6	44321.5	42093.6
35385.0	52.5°	33451.6	31518.6	31323.2	31127.4	35393.4	39659.4	44218.8	48777.8	51448.3	48777.8
40308.7	55°	38398.6	36488.5	35726.5	34964.4	39712.4	44460.0	49895.3	55330.7	58506.8	55330.7
44787.0	57.5°	43746.9	42706.4	41177.9	39649.8	44443.9	49238.0	55394.5	61550.5	65489.1	61550.5
47493.7	60°	49109.2	50725.2	48827.1	46929.1	51465.9	56002.8	62594.3	69185.7	73442.5	69185.7
46119.3	62.5°	50533.8	54948.3	54734.4	54520.1	58676.2	62832.6	69103.9	75374.7	79309.2	75374.7
43368.5	65°	47511.7	51654.9	52474.8	53294.2	58575.8	63857.9	69938.9	76019.5	79369.4	76019.5
39682.7	67.5°	43623.3	47563.9	47948.3	48332.3	53835.5	59338.3	65445.4	71552.5	74176.9	71552.5
35254.6	70°	39540.7	43827.1	43998.9	44171.0	49092.4	54013.3	59268.9	64524.0	65982.7	64524.0
29977.7	72.5°	34896.2	39815.1	39938.7	40061.9	43912.2	47762.5	51698.7	55634.5	55782.1	55634.5
23302.4	75°	28393.1	33483.7	33940.8	34397.8	37393.4	40389.0	43159.8	45930.7	45188.3	45930.7
16649.2	77.5°	21401.1	26153.5	26807.6	27461.7	29739.0	32016.2	33981.3	35946.8	34670.7	35946.8
10896.8	80°	14894.8	18892.3	19705.3	20518.3	22238.2	23957.3	24989.4	26021.1	23968.5	26021.1
6334.2	82.5°	9067.4	11800.9	12709.0	13617.5	14801.3	15985.0	16415.6	16845.8	15232.6	16845.8
2786.9	85°	4237.5	5688.2	6460.6	7233.1	8205.8	9178.1	9422.5	9666.9	8374.7	9666.9
862.8	87.5°	1350.3	1837.9	2268.8	2699.8	3186.2	3672.5	3693.4	3713.9	3118.0	3713.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
10457.4	0°	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4	10457.4
11542.9	2.5°	11524.8	11488.7	11452.6	11392.0	11331.4	11288.4	11245.9
12895.6	5°	12847.0	12766.8	12686.5	12538.4	12390.8	12241.5	12092.6
14196.9	7.5°	14125.9	13994.7	13863.5	13645.6	13427.7	13185.7	12943.3
15057.7	10°	14988.7	14834.6	14679.7	14424.1	14168.4	13881.9	13595.4
15339.4	12.5°	15301.7	15189.3	15076.9	14846.6	14615.5	14305.3	13994.7
15031.2	15°	15071.3	15067.3	15063.3	14918.0	14773.2	14505.5	14237.5
14267.2	17.5°	14416.0	14578.6	14741.1	14738.7	14735.9	14554.9	14373.9
13290.8	20°	13552.1	13910.8	14269.6	14460.2	14650.8	14587.4	14524.4
12361.9	22.5°	12688.5	13216.2	13743.9	14138.7	14533.6	14616.3	14698.9
11577.8	25°	11921.3	12562.1	13203.0	13802.5	14402.0	14662.8	14923.7
10949.4	27.5°	11287.2	11997.5	12707.8	13501.5	14295.6	14762.3	15228.6
10501.1	30°	10814.5	11554.5	12294.5	13272.0	14249.5	14944.5	15639.9
10372.7	32.5°	10618.7	11314.1	12009.5	13115.5	14221.4	15173.3	16125.5
11057.3	35°	11114.7	11597.4	12080.6	13232.7	14385.1	15550.1	16715.4
13072.1	37.5°	12809.7	12841.0	12872.3	13919.6	14967.0	16337.8	17708.5
16407.6	40°	15769.6	15219.8	14670.0	15448.9	16227.8	17718.6	19209.3
20902.7	42.5°	19742.2	18543.2	17344.2	17792.8	18241.4	19720.6	21199.7
26353.0	45°	24446.1	22524.7	20603.8	20802.0	20999.9	22328.9	23657.5
32399.1	47.5°	29607.3	26836.9	24065.6	24105.8	24145.9	25438.8	26731.4
38408.6	50°	34723.7	31152.3	27580.9	27574.0	27567.2	29163.5	30760.2
44218.8	52.5°	39659.4	35393.4	31127.4	31323.2	31518.6	33451.6	35385.0
49895.3	55°	44460.0	39712.4	34964.4	35726.5	36488.5	38398.6	40308.7
55394.5	57.5°	49238.0	44443.9	39649.8	41177.9	42706.4	43746.9	44787.0
62594.3	60°	56002.8	51465.9	46929.1	48827.1	50725.2	49109.2	47493.7
69103.9	62.5°	62832.6	58676.2	54520.1	54734.4	54948.3	50533.8	46119.3
69938.9	65°	63857.9	58575.8	53294.2	52474.8	51654.9	47511.7	43368.5
65445.4	67.5°	59338.3	53835.5	48332.3	47948.3	47563.9	43623.3	39682.7
59268.9	70°	54013.3	49092.4	44171.0	43998.9	43827.1	39540.7	35254.6
51698.7	72.5°	47762.5	43912.2	40061.9	39938.7	39815.1	34896.2	29977.7
43159.8	75°	40389.0	37393.4	34397.8	33940.8	33483.7	28393.1	23302.4
33981.3	77.5°	32016.2	29739.0	27461.7	26807.6	26153.5	21401.1	16649.2
24989.4	80°	23957.3	22238.2	20518.3	19705.3	18892.3	14894.8	10896.8
16415.6	82.5°	15985.0	14801.3	13617.5	12709.0	11800.9	9067.4	6334.2
9422.5	85°	9178.1	8205.8	7233.1	6460.6	5688.2	4237.5	2786.9
3693.4	87.5°	3672.5	3186.2	2699.8	2268.8	1837.9	1350.3	862.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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