

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: P957484

Luminaire Tested: **GALN-SB9D-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957484
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-SB9D-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80309 lumens
Efficiency: N/A
Efficacy: 122.1 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

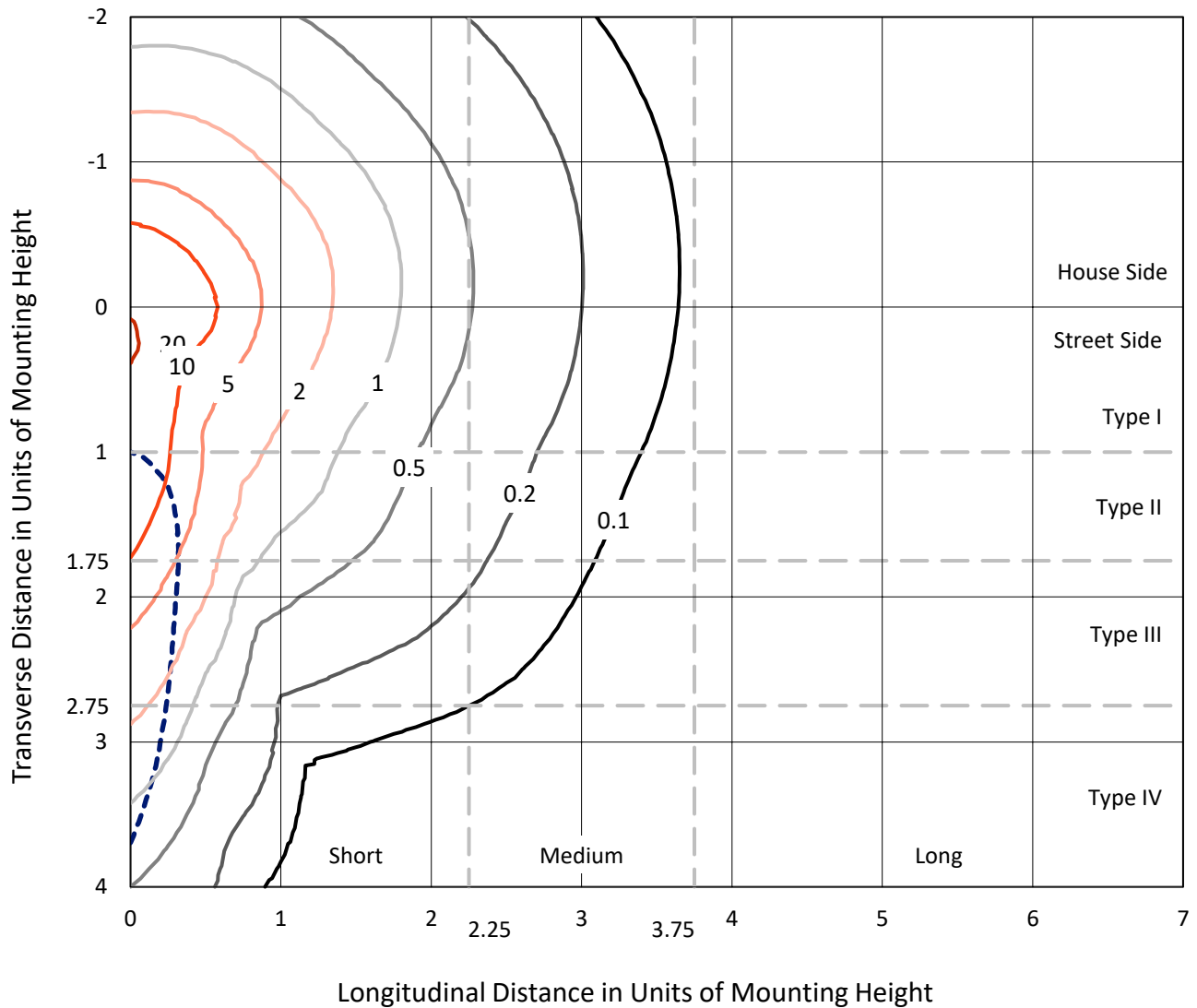
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

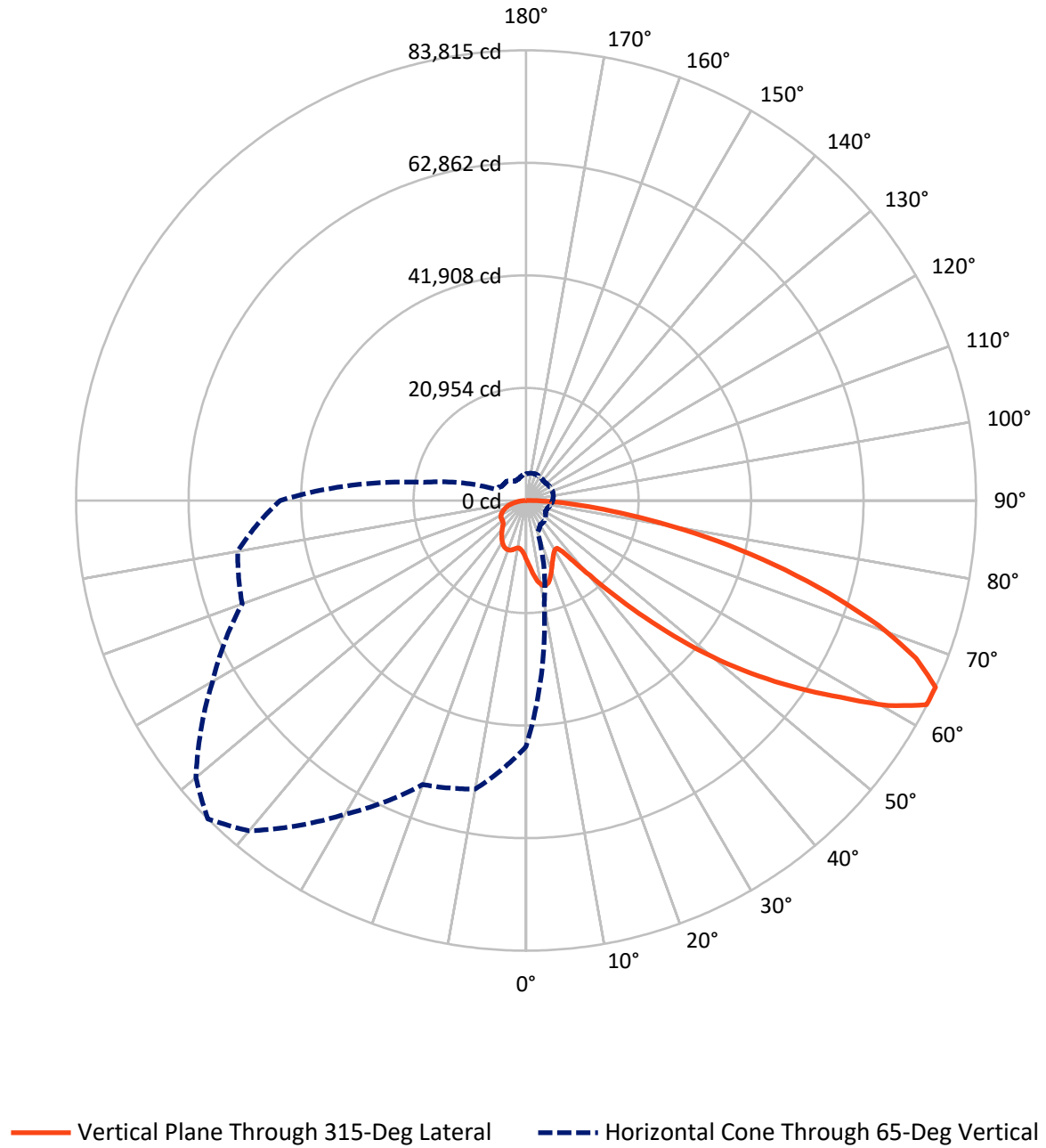
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 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	20410.5	0.0	20410.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	59898.5	0.0	59898.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	80309.0	0.0	80309.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.5	1.4
10°-20°	3438.9	4.3
20°-30°	5311.9	6.6
30°-40°	6731.6	8.4
40°-50°	10152.9	12.6
50°-60°	16403.5	20.4
60°-70°	20449.6	25.5
70°-80°	13409.8	16.7
80°-90°	3315.2	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°	80309.0	100.0
0°-180°	80309.0	100.0



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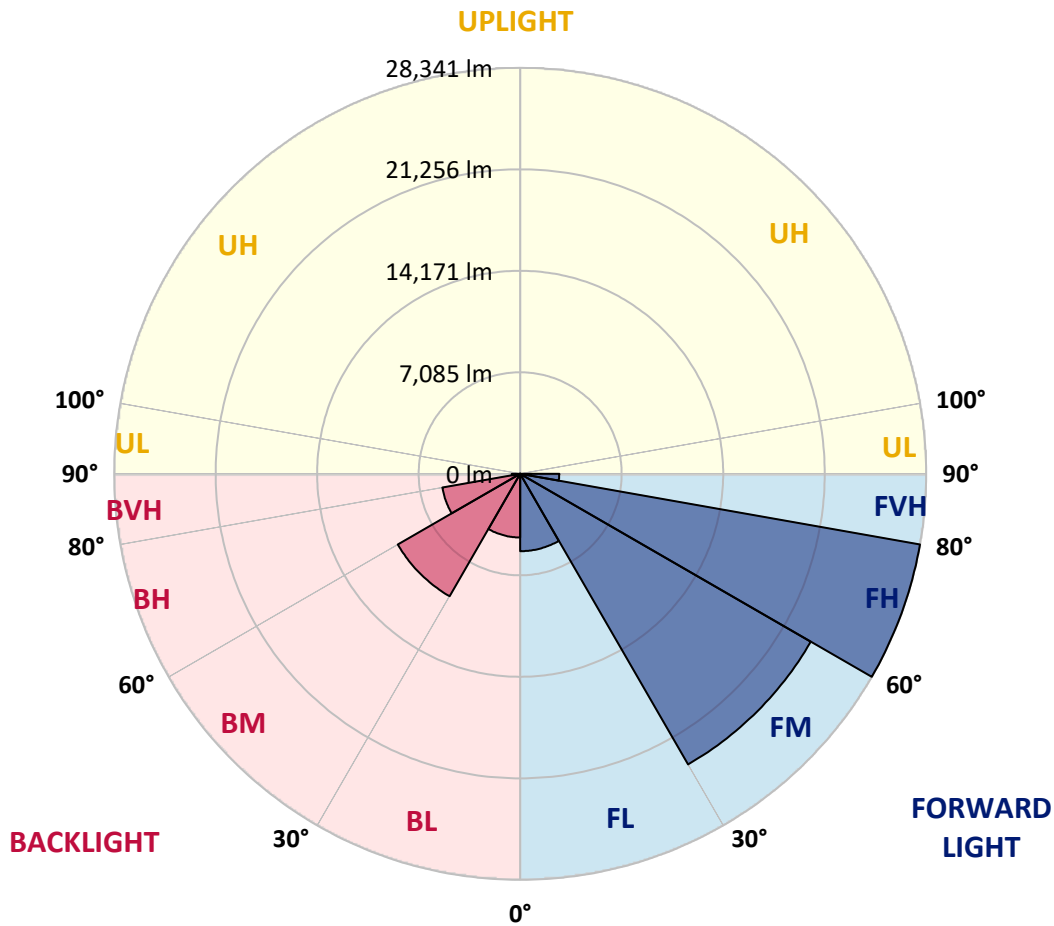
CATALOG NUMBER: GALN-SB9D-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5401.7	6.7			
FM (30°-60°)	23424.4	29.2			
FH (60°-80°)	28341.4	35.3			G5
FVH (80°-90°)	2731.0	3.4			G5
BL (0°-30°)	4444.6	5.5	B4/5000		
BM (30°-60°)	9863.6	12.3	B5		
BH (60°-80°)	5518.1	6.9	B5		G5
BVH (80°-90°)	584.2	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°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
2.5°	11875.9	11784.8	11693.7	11596.6	11500.0	11402.5	11305.1	11211.8	11118.6	11028.3
5°	12770.0	12568.7	12367.4	12166.6	11966.1	11764.0	11562.3	11373.7	11185.1	11007.2
7.5°	13668.4	13336.1	13004.3	12697.5	12390.7	12092.0	11793.2	11530.1	11266.9	11024.1
10°	14357.0	13937.0	13517.1	13111.6	12706.4	12343.7	11980.5	11669.5	11357.6	11058.0
12.5°	14778.6	14317.1	13856.1	13396.7	12937.4	12509.4	12081.4	11729.2	11377.1	11062.2
15°	15035.0	14554.0	14073.1	13574.7	13076.4	12583.5	12090.7	11683.1	11275.4	10926.6
17.5°	15179.1	14691.3	14203.6	13659.9	13116.2	12544.1	11972.1	11481.8	10991.5	10581.3
20°	15338.0	14831.2	14323.9	13726.4	13128.9	12435.7	11742.4	11134.7	10527.0	10049.5
22.5°	15522.3	15004.5	14486.2	13816.3	13145.9	12302.6	11459.3	10727.5	9995.6	9452.0
25°	15759.6	15252.0	14744.7	13979.0	13212.8	12171.2	11130.0	10272.8	9415.9	8858.7
27.5°	16081.7	15597.7	15113.4	14233.2	13352.7	12083.5	10814.3	9857.1	8899.8	8392.6
30°	16516.0	16048.2	15580.8	14562.5	13544.2	12042.4	10539.8	9509.6	8479.4	8053.6
32.5°	17028.8	16565.6	16102.9	14906.2	13709.5	11991.6	10272.8	9210.0	8146.8	7803.5
35°	17651.7	17208.5	16764.8	15297.7	13830.7	11895.8	9961.7	8915.5	7869.2	7583.2
37.5°	18700.5	18135.2	17569.9	15736.3	13902.7	11731.8	9560.9	8568.8	7576.8	7326.8
40°	20285.4	19461.6	18637.8	16293.1	13948.1	11505.9	9064.2	8155.3	7246.3	7019.6
42.5°	22387.2	21198.2	20009.1	17021.6	14034.1	11272.9	8512.5	7698.9	6885.2	6676.3
45°	24982.8	23378.8	21774.9	17980.1	14185.4	11056.3	7927.7	7214.1	6500.5	6288.6
47.5°	28228.8	25971.4	23713.6	19001.4	14289.2	10877.5	7465.8	6830.6	6195.4	5922.0
50°	32483.3	29080.1	25676.5	19948.9	14221.4	10682.6	7143.7	6575.9	6008.1	5648.7
52.5°	37367.1	32345.6	27324.0	20564.2	13804.0	10353.3	6903.0	6408.1	5913.6	5500.4
55°	42566.7	35240.7	27915.2	20428.6	12941.6	9807.5	6673.4	6286.5	5899.6	5515.2
57.5°	47295.8	37292.6	27289.3	19474.3	11659.7	9037.9	6415.7	6142.4	5869.1	5530.1
60°	50154.1	37805.3	25456.1	17698.3	9940.6	8038.7	6136.9	5922.0	5707.2	5483.5
62.5°	48702.7	35646.2	22589.8	15296.9	8004.0	6842.9	5681.8	5539.0	5396.6	5369.0
65°	45797.8	32591.4	19384.9	12846.7	6308.9	5766.9	5225.0	5157.6	5090.2	5093.6
67.5°	41905.6	28955.9	16006.3	10446.5	4886.8	4733.0	4578.7	4616.4	4653.7	4644.4
70°	37229.4	24989.1	12748.8	8225.2	3701.5	3745.6	3789.3	3963.8	4138.0	4138.0
72.5°	31657.0	20688.8	9721.0	6288.2	2855.3	2987.9	3121.0	3368.5	3615.5	3657.0
75°	24607.7	15759.2	6910.7	4563.9	2217.1	2337.5	2457.8	2734.9	3012.1	3203.6
77.5°	17581.8	11030.0	4478.3	3092.6	1706.9	1788.7	1870.9	2140.0	2409.1	2724.8
80°	11507.2	7106.5	2705.7	1992.5	1279.8	1313.7	1347.6	1575.5	1803.1	2180.2
82.5°	6689.0	4113.0	1537.4	1225.5	914.5	920.4	927.2	1095.0	1262.8	1584.9
85°	2943.0	1850.1	757.7	655.1	553.0	550.0	546.7	669.5	792.4	1031.9
87.5°	911.1	606.0	300.9	271.6	242.4	239.4	236.5	286.5	336.9	436.5
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
10927.9	2.5°	10846.6	10765.6	10692.3	10619.4	10555.4	10491.4	10427.0	10363.0	10313.5	10263.5
10831.3	5°	10677.9	10524.1	10395.3	10266.9	10153.3	10039.7	9936.7	9833.3	9754.1	9674.4
10796.6	7.5°	10592.3	10388.5	10219.0	10049.5	9906.7	9763.4	9637.1	9511.3	9416.8	9322.7
10813.5	10°	10598.2	10383.0	10213.5	10044.0	9890.1	9735.9	9593.9	9452.0	9339.2	9226.1
10834.7	12.5°	10658.4	10483.0	10370.2	10258.4	10137.2	10016.8	9869.8	9723.2	9579.1	9435.0
10744.4	15°	10660.1	10576.2	10591.5	10606.7	10575.3	10544.0	10416.4	10288.9	10083.8	9878.7
10469.0	17.5°	10499.9	10530.4	10715.2	10899.9	10998.3	11096.1	10993.2	10890.6	10619.0	10347.4
10019.8	20°	10163.9	10308.0	10628.7	10950.0	11155.5	11361.0	11313.5	11265.7	10955.0	10644.8
9510.0	22.5°	9723.2	9936.3	10302.4	10669.4	10936.8	11204.2	11233.0	11261.4	10964.8	10668.2
9015.5	25°	9261.3	9507.1	9836.3	10166.0	10429.2	10692.3	10790.6	10888.5	10645.3	10402.5
8583.3	27.5°	8820.6	9057.9	9328.6	9599.0	9810.0	10021.1	10130.4	10240.2	10066.8	9893.9
8203.1	30°	8391.3	8580.3	8804.9	9029.5	9204.5	9379.9	9468.9	9557.9	9426.1	9293.9
7870.1	32.5°	7981.5	8093.0	8272.2	8451.9	8619.7	8787.9	8886.7	8985.8	8864.6	8743.0
7555.6	35°	7586.1	7617.1	7754.0	7890.4	8056.5	8223.1	8341.7	8460.4	8373.9	8287.9
7226.0	37.5°	7192.1	7158.1	7256.5	7354.4	7520.0	7686.2	7832.8	7979.4	7939.6	7899.7
6864.9	40°	6788.2	6711.5	6782.3	6853.0	7013.2	7173.4	7342.1	7511.1	7520.9	7530.2
6481.4	42.5°	6379.7	6278.0	6335.6	6393.7	6545.4	6697.5	6879.7	7062.0	7110.7	7159.4
6100.0	45°	6000.9	5902.1	5950.4	5999.6	6143.7	6287.7	6476.7	6665.7	6735.7	6805.6
5759.7	47.5°	5676.7	5593.6	5639.4	5684.7	5825.8	5966.5	6153.0	6339.4	6420.0	6500.5
5460.1	50°	5386.4	5313.1	5384.3	5455.9	5589.0	5721.6	5888.6	6055.5	6158.9	6262.3
5236.8	52.5°	5163.9	5091.5	5198.7	5305.5	5427.5	5549.1	5704.7	5860.6	5983.1	6105.5
5118.2	55°	5002.9	4888.1	5040.2	5191.9	5323.3	5454.6	5591.1	5727.1	5856.8	5986.9
5047.0	57.5°	4879.2	4711.4	4874.9	5038.5	5192.8	5347.0	5481.8	5616.9	5747.9	5878.4
4980.0	60°	4762.6	4544.8	4688.5	4831.7	5008.8	5186.0	5322.8	5460.1	5591.5	5722.9
4902.1	62.5°	4630.0	4358.4	4449.5	4540.6	4747.0	4953.8	5099.9	5246.1	5366.5	5486.8
4737.6	65°	4448.6	4159.2	4194.4	4229.1	4450.3	4672.0	4811.8	4951.6	5057.6	5163.5
4444.4	67.5°	4203.7	3963.0	3952.0	3941.0	4145.2	4349.9	4482.5	4614.7	4706.3	4797.8
4072.3	70°	3901.1	3729.9	3691.8	3653.7	3833.3	4013.0	4127.4	4241.8	4324.5	4407.1
3657.9	72.5°	3540.5	3423.1	3367.2	3311.7	3453.2	3594.3	3697.7	3801.1	3882.1	3963.0
3187.5	75°	3097.3	3006.6	2953.2	2899.4	3004.5	3109.5	3203.2	3296.9	3370.6	3444.3
2716.3	77.5°	2643.8	2571.4	2517.1	2462.9	2548.5	2633.7	2714.2	2794.7	2872.2	2949.4
2179.0	80°	2118.4	2057.4	2012.0	1966.2	2037.4	2108.2	2176.0	2243.8	2302.7	2361.2
1602.7	82.5°	1573.0	1543.3	1511.1	1478.9	1473.0	1467.1	1443.3	1419.6	1545.0	1670.5
1055.2	85°	1023.4	991.6	955.6	919.6	889.0	858.1	792.4	726.7	844.1	961.9
466.1	87.5°	453.4	440.7	433.9	427.1	425.9	424.6	374.6	324.2	373.3	422.9
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
10223.2	2.5°	10182.9	10151.6	10120.2	10091.4	10062.2	10026.2	10062.2	10091.4	10120.2	10151.6
9618.9	5°	9563.4	9524.0	9484.6	9454.5	9424.4	9394.8	9424.4	9454.5	9484.6	9524.0
9256.6	7.5°	9190.5	9145.2	9100.2	9073.1	9046.4	9026.1	9046.4	9073.1	9100.2	9145.2
9152.4	10°	9077.8	9035.0	8992.2	8969.3	8946.4	8937.1	8946.4	8969.3	8992.2	9035.0
9339.7	12.5°	9244.3	9196.4	9149.0	9129.5	9110.0	9106.6	9110.0	9129.5	9149.0	9196.4
9733.8	15°	9588.8	9522.3	9456.2	9430.8	9405.3	9403.2	9405.3	9430.8	9456.2	9522.3
10133.8	17.5°	9920.2	9821.9	9723.2	9691.0	9658.3	9653.2	9658.3	9691.0	9723.2	9821.9
10383.0	20°	10121.5	9995.6	9869.4	9829.1	9788.9	9776.1	9788.9	9829.1	9869.4	9995.6
10398.6	22.5°	10128.7	9996.1	9863.0	9818.5	9774.0	9754.9	9774.0	9818.5	9863.0	9996.1
10162.6	25°	9923.6	9808.3	9693.5	9651.6	9610.0	9585.4	9610.0	9651.6	9693.5	9808.3
9707.9	27.5°	9521.9	9444.8	9367.2	9348.1	9329.1	9322.7	9329.1	9348.1	9367.2	9444.8
9160.8	30°	9026.9	8987.5	8947.7	8947.7	8947.7	8954.0	8947.7	8947.7	8947.7	8987.5
8636.6	32.5°	8530.3	8504.4	8478.6	8482.0	8485.8	8492.1	8485.8	8482.0	8478.6	8504.4
8189.6	35°	8091.7	8052.3	8013.3	8004.8	7996.3	7992.1	7996.3	8004.8	8013.3	8052.3
7809.5	37.5°	7718.8	7647.2	7576.0	7538.3	7500.5	7479.4	7500.5	7538.3	7576.0	7647.2
7453.5	40°	7376.8	7272.6	7169.2	7098.8	7029.3	6987.8	7029.3	7098.8	7169.2	7272.6
7094.6	42.5°	7030.2	6900.9	6771.7	6669.6	6567.4	6500.5	6567.4	6669.6	6771.7	6900.9
6747.1	45°	6689.0	6541.2	6393.7	6273.8	6153.8	6076.7	6153.8	6273.8	6393.7	6541.2
6459.8	47.5°	6419.1	6287.7	6156.4	6045.4	5934.8	5860.6	5934.8	6045.4	6156.4	6287.7
6259.8	50°	6258.1	6153.0	6047.9	5945.3	5842.8	5771.6	5842.8	5945.3	6047.9	6153.0
6127.6	52.5°	6149.6	6064.0	5978.4	5886.4	5794.9	5729.2	5794.9	5886.4	5978.4	6064.0
6017.4	55°	6047.9	5973.3	5898.7	5818.2	5737.7	5678.4	5737.7	5818.2	5898.7	5973.3
5909.3	57.5°	5940.3	5864.8	5789.4	5709.7	5629.6	5568.2	5629.6	5709.7	5789.4	5864.8
5756.8	60°	5790.7	5716.9	5643.6	5561.4	5479.2	5415.6	5479.2	5561.4	5643.6	5716.9
5519.5	62.5°	5552.1	5485.6	5419.0	5332.6	5246.1	5169.9	5246.1	5332.6	5419.0	5485.6
5197.0	65°	5230.0	5166.1	5102.1	5018.2	4934.7	4869.0	4934.7	5018.2	5102.1	5166.1
4830.4	67.5°	4862.6	4803.7	4745.3	4667.3	4589.3	4530.0	4589.3	4667.3	4745.3	4803.7
4438.5	70°	4469.8	4421.9	4374.0	4299.5	4224.9	4157.1	4224.9	4299.5	4374.0	4421.9
4000.3	72.5°	4037.6	3997.7	3957.9	3886.7	3816.0	3750.3	3816.0	3886.7	3957.9	3997.7
3483.3	75°	3522.3	3502.8	3483.3	3423.6	3363.8	3301.1	3363.8	3423.6	3483.3	3502.8
2985.8	77.5°	3022.3	2995.1	2967.2	2907.0	2846.8	2796.8	2846.8	2907.0	2967.2	2995.1
2409.5	80°	2457.8	2445.9	2434.5	2353.6	2272.2	2178.1	2272.2	2353.6	2434.5	2445.9
1752.7	82.5°	1834.9	1829.8	1824.3	1756.1	1687.4	1627.2	1687.4	1756.1	1824.3	1829.8
1063.6	85°	1165.3	1156.9	1148.4	1095.0	1041.6	987.4	1041.6	1095.0	1148.4	1156.9
464.0	87.5°	505.1	495.0	483.9	456.8	428.8	402.6	428.8	456.8	483.9	495.0
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
10182.9	2.5°	10223.2	10263.5	10313.5	10363.0	10427.0	10491.4	10555.4	10619.4	10692.3	10765.6
9563.4	5°	9618.9	9674.4	9754.1	9833.3	9936.7	10039.7	10153.3	10266.9	10395.3	10524.1
9190.5	7.5°	9256.6	9322.7	9416.8	9511.3	9637.1	9763.4	9906.7	10049.5	10219.0	10388.5
9077.8	10°	9152.4	9226.1	9339.2	9452.0	9593.9	9735.9	9890.1	10044.0	10213.5	10383.0
9244.3	12.5°	9339.7	9435.0	9579.1	9723.2	9869.8	10016.8	10137.2	10258.4	10370.2	10483.0
9588.8	15°	9733.8	9878.7	10083.8	10288.9	10416.4	10544.0	10575.3	10606.7	10591.5	10576.2
9920.2	17.5°	10133.8	10347.4	10619.0	10890.6	10993.2	11096.1	10998.3	10899.9	10715.2	10530.4
10121.5	20°	10383.0	10644.8	10955.0	11265.7	11313.5	11361.0	11155.5	10950.0	10628.7	10308.0
10128.7	22.5°	10398.6	10668.2	10964.8	11261.4	11233.0	11204.2	10936.8	10669.4	10302.4	9936.3
9923.6	25°	10162.6	10402.5	10645.3	10888.5	10790.6	10692.3	10429.2	10166.0	9836.3	9507.1
9521.9	27.5°	9707.9	9893.9	10066.8	10240.2	10130.4	10021.1	9810.0	9599.0	9328.6	9057.9
9026.9	30°	9160.8	9293.9	9426.1	9557.9	9468.9	9379.9	9204.5	9029.5	8804.9	8580.3
8530.3	32.5°	8636.6	8743.0	8864.6	8985.8	8886.7	8787.9	8619.7	8451.9	8272.2	8093.0
8091.7	35°	8189.6	8287.9	8373.9	8460.4	8341.7	8223.1	8056.5	7890.4	7754.0	7617.1
7718.8	37.5°	7809.5	7899.7	7939.6	7979.4	7832.8	7686.2	7520.0	7354.4	7256.5	7158.1
7376.8	40°	7453.5	7530.2	7520.9	7511.1	7342.1	7173.4	7013.2	6853.0	6782.3	6711.5
7030.2	42.5°	7094.6	7159.4	7110.7	7062.0	6879.7	6697.5	6545.4	6393.7	6335.6	6278.0
6689.0	45°	6747.1	6805.6	6735.7	6665.7	6476.7	6287.7	6143.7	5999.6	5950.4	5902.1
6419.1	47.5°	6459.8	6500.5	6420.0	6339.4	6153.0	5966.5	5825.8	5684.7	5639.4	5593.6
6258.1	50°	6259.8	6262.3	6158.9	6055.5	5888.6	5721.6	5589.0	5455.9	5384.3	5313.1
6149.6	52.5°	6127.6	6105.5	5983.1	5860.6	5704.7	5549.1	5427.5	5305.5	5198.7	5091.5
6047.9	55°	6017.4	5986.9	5856.8	5727.1	5591.1	5454.6	5323.3	5191.9	5040.2	4888.1
5940.3	57.5°	5909.3	5878.4	5747.9	5616.9	5481.8	5347.0	5192.8	5038.5	4874.9	4711.4
5790.7	60°	5756.8	5722.9	5591.5	5460.1	5322.8	5186.0	5008.8	4831.7	4688.5	4544.8
5552.1	62.5°	5519.5	5486.8	5366.5	5246.1	5099.9	4953.8	4747.0	4540.6	4449.5	4358.4
5230.0	65°	5197.0	5163.5	5057.6	4951.6	4811.8	4672.0	4450.3	4229.1	4194.4	4159.2
4862.6	67.5°	4830.4	4797.8	4706.3	4614.7	4482.5	4349.9	4145.2	3941.0	3952.0	3963.0
4469.8	70°	4438.5	4407.1	4324.5	4241.8	4127.4	4013.0	3833.3	3653.7	3691.8	3729.9
4037.6	72.5°	4000.3	3963.0	3882.1	3801.1	3697.7	3594.3	3453.2	3311.7	3367.2	3423.1
3522.3	75°	3483.3	3444.3	3370.6	3296.9	3203.2	3109.5	3004.5	2899.4	2953.2	3006.6
3022.3	77.5°	2985.8	2949.4	2872.2	2794.7	2714.2	2633.7	2548.5	2462.9	2517.1	2571.4
2457.8	80°	2409.5	2361.2	2302.7	2243.8	2176.0	2108.2	2037.4	1966.2	2012.0	2057.4
1834.9	82.5°	1752.7	1670.5	1545.0	1419.6	1443.3	1467.1	1473.0	1478.9	1511.1	1543.3
1165.3	85°	1063.6	961.9	844.1	726.7	792.4	858.1	889.0	919.6	955.6	991.6
505.1	87.5°	464.0	422.9	373.3	324.2	374.6	424.6	425.9	427.1	433.9	440.7
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
10846.6	2.5°	10927.9	11028.3	11118.6	11211.8	11305.1	11402.5	11500.0	11596.6	11693.7	11784.8
10677.9	5°	10831.3	11007.2	11185.1	11373.7	11562.3	11764.0	11966.1	12166.6	12367.4	12568.7
10592.3	7.5°	10796.6	11024.1	11266.9	11530.1	11793.2	12092.0	12390.7	12697.5	13004.3	13336.1
10598.2	10°	10813.5	11058.0	11357.6	11669.5	11980.5	12343.7	12706.4	13111.6	13517.1	13937.0
10658.4	12.5°	10834.7	11062.2	11377.1	11729.2	12081.4	12509.4	12937.4	13396.7	13856.1	14317.1
10660.1	15°	10744.4	10926.6	11275.4	11683.1	12090.7	12583.5	13076.4	13574.7	14073.1	14554.0
10499.9	17.5°	10469.0	10581.3	10991.5	11481.8	11972.1	12544.1	13116.2	13659.9	14203.6	14691.3
10163.9	20°	10019.8	10049.5	10527.0	11134.7	11742.4	12435.7	13128.9	13726.4	14323.9	14831.2
9723.2	22.5°	9510.0	9452.0	9995.6	10727.5	11459.3	12302.6	13145.9	13816.3	14486.2	15004.5
9261.3	25°	9015.5	8858.7	9415.9	10272.8	11130.0	12171.2	13212.8	13979.0	14744.7	15252.0
8820.6	27.5°	8583.3	8392.6	8899.8	9857.1	10814.3	12083.5	13352.7	14233.2	15113.4	15597.7
8391.3	30°	8203.1	8053.6	8479.4	9509.6	10539.8	12042.4	13544.2	14562.5	15580.8	16048.2
7981.5	32.5°	7870.1	7803.5	8146.8	9210.0	10272.8	11991.6	13709.5	14906.2	16102.9	16565.6
7586.1	35°	7555.6	7583.2	7869.2	8915.5	9961.7	11895.8	13830.7	15297.7	16764.8	17208.5
7192.1	37.5°	7226.0	7326.8	7576.8	8568.8	9560.9	11731.8	13902.7	15736.3	17569.9	18135.2
6788.2	40°	6864.9	7019.6	7246.3	8155.3	9064.2	11505.9	13948.1	16293.1	18637.8	19461.6
6379.7	42.5°	6481.4	6676.3	6885.2	7698.9	8512.5	11272.9	14034.1	17021.6	20009.1	21198.2
6000.9	45°	6100.0	6288.6	6500.5	7214.1	7927.7	11056.3	14185.4	17980.1	21774.9	23378.8
5676.7	47.5°	5759.7	5922.0	6195.4	6830.6	7465.8	10877.5	14289.2	19001.4	23713.6	25971.4
5386.4	50°	5460.1	5648.7	6008.1	6575.9	7143.7	10682.6	14221.4	19948.9	25676.5	29080.1
5163.9	52.5°	5236.8	5500.4	5913.6	6408.1	6903.0	10353.3	13804.0	20564.2	27324.0	32345.6
5002.9	55°	5118.2	5515.2	5899.6	6286.5	6673.4	9807.5	12941.6	20428.6	27915.2	35240.7
4879.2	57.5°	5047.0	5530.1	5869.1	6142.4	6415.7	9037.9	11659.7	19474.3	27289.3	37292.6
4762.6	60°	4980.0	5483.5	5707.2	5922.0	6136.9	8038.7	9940.6	17698.3	25456.1	37805.3
4630.0	62.5°	4902.1	5369.0	5396.6	5539.0	5681.8	6842.9	8004.0	15296.9	22589.8	35646.2
4448.6	65°	4737.6	5093.6	5090.2	5157.6	5225.0	5766.9	6308.9	12846.7	19384.9	32591.4
4203.7	67.5°	4444.4	4644.4	4653.7	4616.4	4578.7	4733.0	4886.8	10446.5	16006.3	28955.9
3901.1	70°	4072.3	4138.0	4138.0	3963.8	3789.3	3745.6	3701.5	8225.2	12748.8	24989.1
3540.5	72.5°	3657.9	3657.0	3615.5	3368.5	3121.0	2987.9	2855.3	6288.2	9721.0	20688.8
3097.3	75°	3187.5	3203.6	3012.1	2734.9	2457.8	2337.5	2217.1	4563.9	6910.7	15759.2
2643.8	77.5°	2716.3	2724.8	2409.1	2140.0	1870.9	1788.7	1706.9	3092.6	4478.3	11030.0
2118.4	80°	2179.0	2180.2	1803.1	1575.5	1347.6	1313.7	1279.8	1992.5	2705.7	7106.5
1573.0	82.5°	1602.7	1584.9	1262.8	1095.0	927.2	920.4	914.5	1225.5	1537.4	4113.0
1023.4	85°	1055.2	1031.9	792.4	669.5	546.7	550.0	553.0	655.1	757.7	1850.1
453.4	87.5°	466.1	436.5	336.9	286.5	236.5	239.4	242.4	271.6	300.9	606.0
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
11875.9	2.5°	11920.8	11966.1	12030.1	12094.1	12132.2	12170.4	12189.4	12208.5	12200.0	12208.5
12770.0	5°	12927.2	13084.9	13240.8	13397.2	13481.9	13566.7	13617.9	13669.6	13708.6	13669.6
13668.4	7.5°	13924.3	14179.8	14410.0	14640.1	14778.6	14917.2	14992.2	15066.8	15102.8	15066.8
14357.0	10°	14659.5	14962.1	15232.0	15502.0	15665.6	15828.3	15901.2	15973.6	16001.2	15973.6
14778.6	12.5°	15106.6	15434.2	15678.3	15921.5	16040.2	16158.8	16198.6	16238.5	16242.7	16238.5
15035.0	15°	15318.1	15600.7	15753.7	15907.1	15911.3	15915.6	15873.2	15830.8	15780.8	15830.8
15179.1	17.5°	15370.2	15561.3	15564.3	15566.8	15395.2	15223.6	15066.4	14908.7	14797.7	14908.7
15338.0	20°	15404.5	15471.5	15270.2	15068.9	14690.1	14311.2	14035.3	13759.5	13590.0	13759.5
15522.3	22.5°	15435.0	15347.7	14930.8	14513.8	13956.5	13399.3	13054.3	12709.4	12522.1	12709.4
15759.6	25°	15484.2	15208.7	14575.6	13942.5	13265.8	12589.1	12226.3	11864.4	11687.3	11864.4
16081.7	27.5°	15589.3	15096.4	14257.8	13419.6	12669.6	11919.5	11562.7	11206.3	11038.9	11206.3
16516.0	30°	15781.7	15047.7	14015.4	12983.2	12201.7	11420.3	11089.4	10758.4	10602.5	10758.4
17028.8	32.5°	16023.2	15018.0	13850.2	12682.3	11947.9	11213.5	10953.8	10693.6	10581.3	10693.6
17651.7	35°	16421.1	15190.9	13973.9	12757.3	12247.1	11737.3	11676.7	11616.1	11606.8	11616.1
18700.5	37.5°	17253.0	15805.4	14699.4	13593.4	13560.3	13527.3	13804.4	14081.5	14225.6	14081.5
20285.4	40°	18711.1	17136.8	16314.3	15491.8	16072.4	16652.9	17326.7	18000.5	18336.1	18000.5
22387.2	42.5°	20825.2	19263.3	18789.5	18315.7	19581.9	20848.1	22073.6	23299.2	24018.7	23299.2
24982.8	45°	23579.7	22176.2	21967.3	21757.9	23786.5	25815.4	27829.2	29843.3	31065.8	29843.3
28228.8	47.5°	26863.8	25498.5	25456.1	25413.7	28340.2	31265.8	34213.9	37161.6	38892.7	37161.6
32483.3	50°	30797.2	29111.4	29118.7	29125.9	32897.3	36668.8	40560.2	44451.6	46804.3	44451.6
37367.1	52.5°	35325.5	33284.2	33077.8	32871.0	37376.0	41881.0	46695.8	51510.1	54330.2	51510.1
42566.7	55°	40549.6	38532.5	37727.8	36923.0	41937.0	46950.5	52690.3	58430.1	61784.2	58430.1
47295.8	57.5°	46197.4	45098.6	43484.5	41870.9	46933.5	51996.2	58497.5	64998.4	69157.6	64998.4
50154.1	60°	51860.1	53566.6	51562.2	49557.9	54348.9	59139.9	66100.6	73061.3	77556.5	73061.3
48702.7	62.5°	53364.5	58026.3	57800.4	57574.1	61963.0	66352.3	72974.8	79596.9	83751.9	79596.9
45797.8	65°	50173.2	54548.5	55414.2	56279.5	61857.1	67435.0	73856.7	80277.9	83815.4	80277.9
41905.6	67.5°	46066.9	50228.2	50634.2	51039.7	56851.2	62662.2	69111.4	75560.6	78332.0	75560.6
37229.4	70°	41755.6	46282.2	46463.6	46645.4	51842.3	57038.9	62588.9	68138.4	69678.8	68138.4
31657.0	72.5°	36851.0	42045.4	42176.0	42306.1	46372.0	50438.0	54594.7	58750.9	58906.8	58750.9
24607.7	75°	29983.5	35359.4	35842.0	36324.7	39488.1	42651.4	45577.5	48503.5	47719.6	48503.5
17581.8	77.5°	22600.0	27618.5	28309.3	29000.0	31404.8	33809.7	35884.8	37960.4	36612.8	37960.4
11507.2	80°	15729.1	19950.6	20809.1	21667.7	23483.9	25299.3	26389.2	27478.7	25311.2	27478.7
6689.0	82.5°	9575.3	12461.9	13420.9	14380.3	15630.4	16880.5	17335.2	17789.4	16085.9	17789.4
2943.0	85°	4474.9	6006.8	6822.5	7638.3	8665.5	9692.2	9950.3	10208.4	8843.9	10208.4
911.1	87.5°	1426.0	1940.8	2395.9	2851.1	3364.7	3878.2	3900.3	3921.9	3292.6	3921.9
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°
11043.2	0°	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2	11043.2
12189.4	2.5°	12170.4	12132.2	12094.1	12030.1	11966.1	11920.8	11875.9
13617.9	5°	13566.7	13481.9	13397.2	13240.8	13084.9	12927.2	12770.0
14992.2	7.5°	14917.2	14778.6	14640.1	14410.0	14179.8	13924.3	13668.4
15901.2	10°	15828.3	15665.6	15502.0	15232.0	14962.1	14659.5	14357.0
16198.6	12.5°	16158.8	16040.2	15921.5	15678.3	15434.2	15106.6	14778.6
15873.2	15°	15915.6	15911.3	15907.1	15753.7	15600.7	15318.1	15035.0
15066.4	17.5°	15223.6	15395.2	15566.8	15564.3	15561.3	15370.2	15179.1
14035.3	20°	14311.2	14690.1	15068.9	15270.2	15471.5	15404.5	15338.0
13054.3	22.5°	13399.3	13956.5	14513.8	14930.8	15347.7	15435.0	15522.3
12226.3	25°	12589.1	13265.8	13942.5	14575.6	15208.7	15484.2	15759.6
11562.7	27.5°	11919.5	12669.6	13419.6	14257.8	15096.4	15589.3	16081.7
11089.4	30°	11420.3	12201.7	12983.2	14015.4	15047.7	15781.7	16516.0
10953.8	32.5°	11213.5	11947.9	12682.3	13850.2	15018.0	16023.2	17028.8
11676.7	35°	11737.3	12247.1	12757.3	13973.9	15190.9	16421.1	17651.7
13804.4	37.5°	13527.3	13560.3	13593.4	14699.4	15805.4	17253.0	18700.5
17326.7	40°	16652.9	16072.4	15491.8	16314.3	17136.8	18711.1	20285.4
22073.6	42.5°	20848.1	19581.9	18315.7	18789.5	19263.3	20825.2	22387.2
27829.2	45°	25815.4	23786.5	21757.9	21967.3	22176.2	23579.7	24982.8
34213.9	47.5°	31265.8	28340.2	25413.7	25456.1	25498.5	26863.8	28228.8
40560.2	50°	36668.8	32897.3	29125.9	29118.7	29111.4	30797.2	32483.3
46695.8	52.5°	41881.0	37376.0	32871.0	33077.8	33284.2	35325.5	37367.1
52690.3	55°	46950.5	41937.0	36923.0	37727.8	38532.5	40549.6	42566.7
58497.5	57.5°	51996.2	46933.5	41870.9	43484.5	45098.6	46197.4	47295.8
66100.6	60°	59139.9	54348.9	49557.9	51562.2	53566.6	51860.1	50154.1
72974.8	62.5°	66352.3	61963.0	57574.1	57800.4	58026.3	53364.5	48702.7
73856.7	65°	67435.0	61857.1	56279.5	55414.2	54548.5	50173.2	45797.8
69111.4	67.5°	62662.2	56851.2	51039.7	50634.2	50228.2	46066.9	41905.6
62588.9	70°	57038.9	51842.3	46645.4	46463.6	46282.2	41755.6	37229.4
54594.7	72.5°	50438.0	46372.0	42306.1	42176.0	42045.4	36851.0	31657.0
45577.5	75°	42651.4	39488.1	36324.7	35842.0	35359.4	29983.5	24607.7
35884.8	77.5°	33809.7	31404.8	29000.0	28309.3	27618.5	22600.0	17581.8
26389.2	80°	25299.3	23483.9	21667.7	20809.1	19950.6	15729.1	11507.2
17335.2	82.5°	16880.5	15630.4	14380.3	13420.9	12461.9	9575.3	6689.0
9950.3	85°	9692.2	8665.5	7638.3	6822.5	6006.8	4474.9	2943.0
3900.3	87.5°	3878.2	3364.7	2851.1	2395.9	1940.8	1426.0	911.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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