

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: P954565

Luminaire Tested: **GALN-SB7D-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954565
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-SB7D-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76290 lumens
Efficiency: N/A
Efficacy: 148.8 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

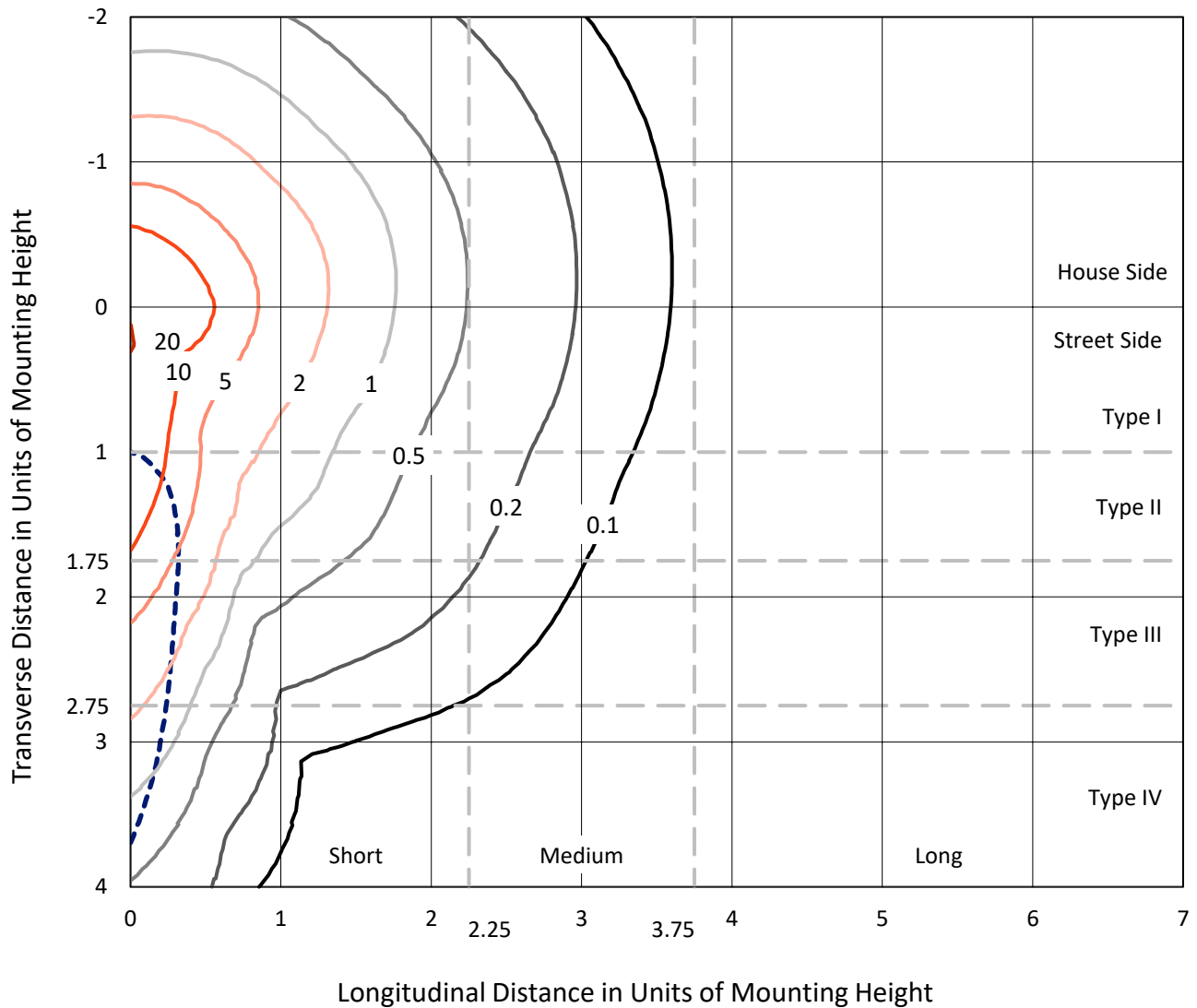
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

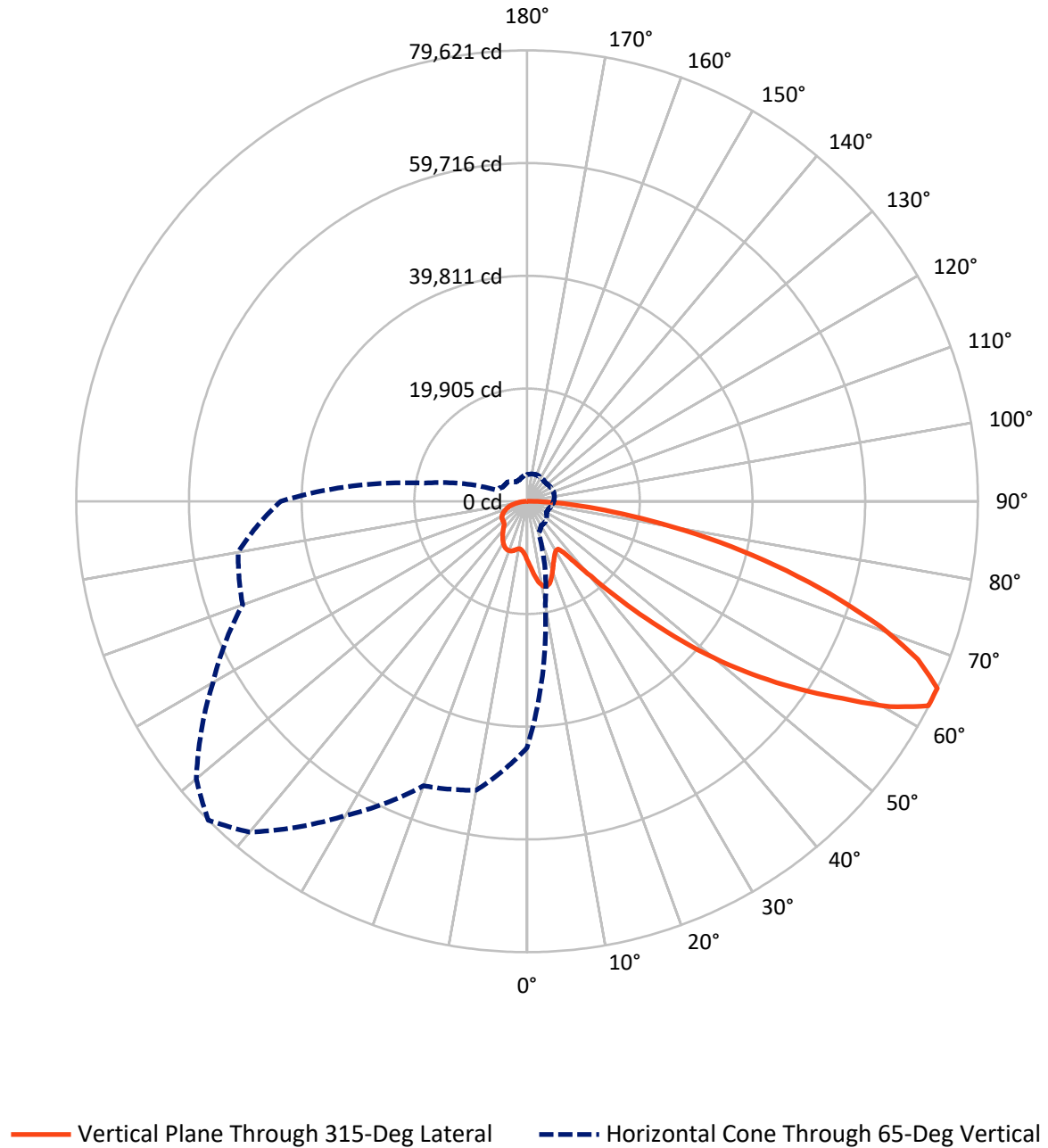
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 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	19389.1	0.0	19389.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	56900.9	0.0	56900.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	76290.0	0.0	76290.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1040.6	1.4
10°-20°	3266.8	4.3
20°-30°	5046.1	6.6
30°-40°	6394.7	8.4
40°-50°	9644.8	12.6
50°-60°	15582.6	20.4
60°-70°	19426.2	25.5
70°-80°	12738.8	16.7
80°-90°	3149.3	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°	76290.0	100.0
0°-180°	76290.0	100.0



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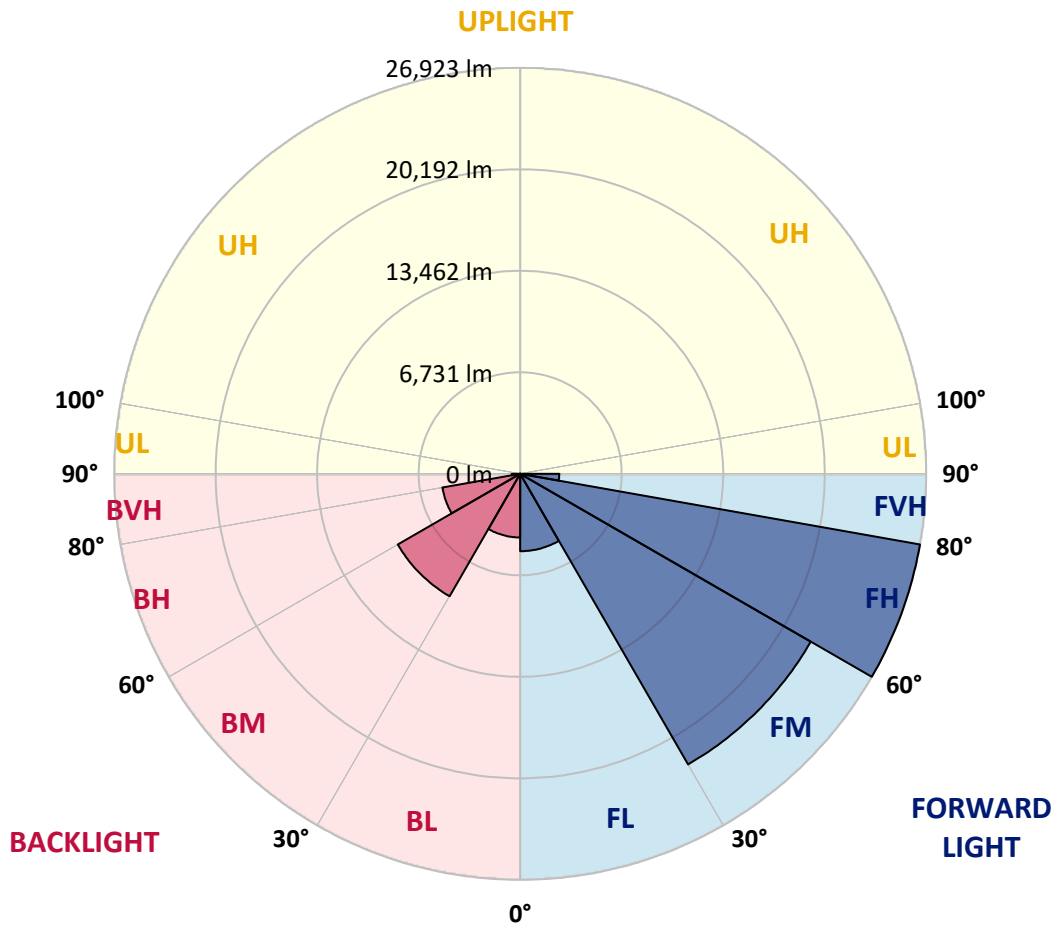
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5131.4	6.7			
FM (30°-60°)	22252.1	29.2			
FH (60°-80°)	26923.1	35.3			G5
FVH (80°-90°)	2594.4	3.4			G5
BL (0°-30°)	4222.2	5.5	B4/5000		
BM (30°-60°)	9370.0	12.3	B5		
BH (60°-80°)	5241.9	6.9	B5		G5
BVH (80°-90°)	555.0	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°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
2.5°	11281.5	11195.0	11108.5	11016.3	10924.5	10831.9	10739.3	10650.7	10562.2	10476.4
5°	12130.9	11939.7	11748.5	11557.7	11367.3	11175.3	10983.7	10804.5	10625.4	10456.3
7.5°	12984.3	12668.7	12353.5	12062.1	11770.7	11486.9	11203.1	10953.1	10703.1	10472.4
10°	13638.5	13239.6	12840.6	12455.4	12070.6	11726.0	11381.0	11085.5	10789.2	10504.6
12.5°	14039.0	13600.7	13162.7	12726.3	12289.9	11883.4	11476.8	11142.3	10807.7	10508.6
15°	14282.6	13825.7	13368.8	12895.4	12422.0	11953.8	11485.6	11098.4	10711.1	10379.8
17.5°	14419.4	13956.1	13492.8	12976.3	12459.8	11916.4	11372.9	10907.2	10441.4	10051.7
20°	14570.4	14089.0	13607.1	13039.5	12471.9	11813.3	11154.7	10577.5	10000.2	9546.5
22.5°	14745.5	14253.6	13761.3	13124.8	12488.0	11686.9	10885.8	10190.6	9495.4	8978.9
25°	14970.9	14488.7	14006.8	13279.4	12551.6	11562.1	10573.1	9758.7	8944.7	8415.4
27.5°	15276.9	14817.2	14357.1	13521.0	12684.4	11478.8	10273.2	9363.8	8454.4	7972.6
30°	15689.5	15245.1	14801.1	13833.7	12866.4	11439.8	10012.3	9033.7	8055.1	7650.5
32.5°	16176.6	15736.6	15297.0	14160.2	13023.4	11391.4	9758.7	8749.1	7739.1	7413.0
35°	16768.3	16347.3	15925.8	14532.2	13138.5	11300.5	9463.2	8469.3	7475.4	7203.7
37.5°	17764.7	17227.7	16690.7	14948.8	13207.0	11144.7	9082.4	8140.0	7197.6	6960.1
40°	19270.2	18487.7	17705.1	15477.8	13250.0	10930.1	8610.6	7747.1	6883.7	6668.3
42.5°	21266.9	20137.3	19007.7	16169.8	13331.8	10708.7	8086.5	7313.6	6540.7	6342.2
45°	23732.5	22208.9	20685.2	17080.3	13475.5	10503.0	7531.0	6853.1	6175.2	5973.9
47.5°	26816.1	24671.7	22526.9	18050.5	13574.1	10333.1	7092.2	6488.8	5885.3	5625.7
50°	30857.7	27624.8	24391.5	18950.6	13509.7	10148.0	6786.2	6246.8	5707.4	5366.0
52.5°	35497.1	30726.9	25956.6	19535.1	13113.2	9835.2	6557.6	6087.4	5617.6	5225.1
55°	40436.5	33477.1	26518.2	19406.3	12294.0	9316.7	6339.4	5971.9	5604.3	5239.2
57.5°	44928.9	35426.3	25923.6	18499.7	11076.2	8585.7	6094.7	5835.0	5575.4	5253.3
60°	47644.2	35913.4	24182.2	16812.6	9443.1	7636.4	5829.8	5625.7	5421.6	5209.0
62.5°	46265.4	33862.4	21459.3	14531.4	7603.4	6500.4	5397.4	5261.8	5126.5	5100.3
65°	43505.9	30960.4	18414.8	12203.8	5993.2	5478.3	4963.5	4899.5	4835.5	4838.7
67.5°	39808.5	27506.9	15205.2	9923.7	4642.2	4496.1	4349.6	4385.4	4420.8	4412.0
70°	35366.3	23738.6	12110.8	7813.6	3516.3	3558.2	3599.6	3765.5	3930.9	3930.9
72.5°	30072.7	19653.4	9234.6	5973.5	2712.4	2838.4	2964.8	3199.9	3434.6	3474.0
75°	23376.3	14970.5	6564.8	4335.5	2106.2	2220.5	2334.8	2598.1	2861.3	3043.3
77.5°	16701.9	10478.1	4254.2	2937.8	1621.5	1699.2	1777.3	2032.9	2288.5	2588.4
80°	10931.3	6750.8	2570.3	1892.8	1215.7	1247.9	1280.1	1496.7	1712.9	2071.1
82.5°	6354.3	3907.2	1460.5	1164.2	868.7	874.3	880.8	1040.2	1199.6	1505.5
85°	2795.7	1757.5	719.8	622.3	525.3	522.5	519.3	636.0	752.8	980.2
87.5°	865.5	575.7	285.8	258.0	230.3	227.4	224.6	272.1	320.0	414.6
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°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
10381.0	2.5°	10303.7	10226.9	10157.2	10088.0	10027.2	9966.4	9905.2	9844.4	9797.3	9749.8
10289.3	5°	10143.5	9997.4	9875.0	9753.1	9645.2	9537.3	9439.5	9341.2	9266.0	9190.3
10256.2	7.5°	10062.2	9868.6	9707.6	9546.5	9410.9	9274.8	9154.9	9035.3	8945.5	8856.2
10272.3	10°	10067.9	9863.4	9702.3	9541.3	9395.2	9248.7	9113.8	8978.9	8871.9	8764.4
10292.5	12.5°	10125.0	9958.4	9851.3	9745.0	9629.9	9515.5	9375.9	9236.6	9099.7	8962.8
10206.7	15°	10126.6	10046.9	10061.4	10075.9	10046.1	10016.3	9895.2	9774.0	9579.2	9384.3
9945.1	17.5°	9974.5	10003.4	10179.0	10354.5	10447.9	10540.9	10443.0	10345.6	10087.6	9829.5
9518.4	20°	9655.2	9792.1	10096.8	10402.0	10597.2	10792.4	10747.4	10701.9	10406.8	10112.1
9034.1	22.5°	9236.6	9439.1	9786.9	10135.5	10389.5	10643.5	10670.9	10697.8	10416.1	10134.3
8564.3	25°	8797.8	9031.3	9344.1	9657.2	9907.2	10157.2	10250.6	10343.6	10112.5	9881.9
8153.7	27.5°	8379.1	8604.6	8861.8	9118.6	9319.1	9519.6	9623.4	9727.7	9563.0	9398.8
7792.6	30°	7971.4	8150.9	8364.2	8577.6	8743.9	8910.5	8995.0	9079.6	8954.4	8828.8
7476.2	32.5°	7582.1	7688.0	7858.2	8028.9	8188.3	8348.1	8441.9	8536.1	8421.0	8305.5
7177.5	35°	7206.5	7235.9	7365.9	7495.5	7653.3	7811.5	7924.3	8037.0	7954.9	7873.1
6864.3	37.5°	6832.1	6799.9	6893.3	6986.3	7143.7	7301.5	7440.8	7580.1	7542.2	7504.4
6521.4	40°	6448.5	6375.6	6442.9	6510.1	6662.3	6814.4	6974.6	7135.3	7144.5	7153.4
6157.0	42.5°	6060.4	5963.8	6018.6	6073.7	6217.8	6362.4	6535.4	6708.5	6754.8	6801.1
5794.8	45°	5700.6	5606.8	5652.6	5699.3	5836.2	5973.1	6152.6	6332.2	6398.6	6465.0
5471.5	47.5°	5392.6	5313.7	5357.2	5400.2	5534.3	5667.9	5845.1	6022.2	6098.7	6175.2
5186.9	50°	5116.9	5047.2	5114.8	5182.9	5309.3	5435.3	5593.9	5752.5	5850.7	5948.9
4974.8	52.5°	4905.5	4836.7	4938.5	5040.0	5155.9	5271.4	5419.2	5567.3	5683.6	5800.0
4862.0	55°	4752.5	4643.4	4788.0	4932.1	5056.9	5181.7	5311.3	5440.5	5563.7	5687.3
4794.4	57.5°	4635.0	4475.6	4631.0	4786.4	4932.9	5079.4	5207.4	5335.8	5460.2	5584.2
4730.8	60°	4524.3	4317.4	4453.8	4589.9	4758.2	4926.4	5056.5	5186.9	5311.7	5436.5
4656.7	62.5°	4398.3	4140.3	4226.8	4313.4	4509.4	4705.8	4844.7	4983.6	5097.9	5212.3
4500.5	65°	4226.0	3951.1	3984.5	4017.5	4227.6	4438.1	4571.0	4703.8	4804.5	4905.1
4222.0	67.5°	3993.3	3764.7	3754.2	3743.7	3937.8	4132.2	4258.2	4383.8	4470.8	4557.7
3868.5	70°	3705.9	3543.3	3507.0	3470.8	3641.5	3812.2	3920.9	4029.6	4108.1	4186.6
3474.8	72.5°	3363.3	3251.8	3198.7	3146.0	3280.4	3414.5	3512.7	3610.9	3687.8	3764.7
3028.0	75°	2942.3	2856.1	2805.4	2754.3	2854.1	2953.9	3042.9	3131.9	3201.9	3272.0
2580.4	77.5°	2511.5	2442.7	2391.2	2339.6	2421.0	2501.9	2578.4	2654.8	2728.5	2801.8
2069.9	80°	2012.4	1954.4	1911.3	1867.8	1935.5	2002.7	2067.1	2131.5	2187.5	2243.0
1522.5	82.5°	1494.3	1466.1	1435.5	1404.9	1399.3	1393.6	1371.1	1348.6	1467.7	1586.9
1002.4	85°	972.2	942.0	907.8	873.5	844.6	815.2	752.8	690.4	801.9	913.8
442.8	87.5°	430.7	418.7	412.2	405.8	404.6	403.4	355.9	308.0	354.6	401.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
9711.6	2.5°	9673.3	9643.6	9613.8	9586.4	9558.6	9524.4	9558.6	9586.4	9613.8	9643.6
9137.6	5°	9084.8	9047.4	9009.9	8981.4	8952.8	8924.6	8952.8	8981.4	9009.9	9047.4
8793.4	7.5°	8730.6	8687.5	8644.8	8619.1	8593.7	8574.4	8593.7	8619.1	8644.8	8687.5
8694.3	10°	8623.5	8582.8	8542.2	8520.4	8498.7	8489.8	8498.7	8520.4	8542.2	8582.8
8872.3	12.5°	8781.7	8736.2	8691.1	8672.6	8654.1	8650.9	8654.1	8672.6	8691.1	8736.2
9246.6	15°	9109.0	9045.8	8983.0	8958.8	8934.7	8932.7	8934.7	8958.8	8983.0	9045.8
9626.7	17.5°	9423.8	9330.4	9236.6	9206.0	9175.0	9170.2	9175.0	9206.0	9236.6	9330.4
9863.4	20°	9615.0	9495.4	9375.5	9337.2	9299.0	9286.9	9299.0	9337.2	9375.5	9495.4
9878.2	22.5°	9621.8	9495.8	9369.4	9327.2	9284.9	9266.8	9284.9	9327.2	9369.4	9495.8
9654.0	25°	9427.0	9317.5	9208.4	9168.5	9129.1	9105.7	9129.1	9168.5	9208.4	9317.5
9222.1	27.5°	9045.4	8972.1	8898.4	8880.3	8862.2	8856.2	8862.2	8880.3	8898.4	8972.1
8702.4	30°	8575.2	8537.7	8499.9	8499.9	8499.9	8505.9	8499.9	8499.9	8499.9	8537.7
8204.4	32.5°	8103.4	8078.8	8054.3	8057.5	8061.1	8067.2	8061.1	8057.5	8054.3	8078.8
7779.7	35°	7686.8	7649.3	7612.3	7604.2	7596.2	7592.2	7596.2	7604.2	7612.3	7649.3
7418.6	37.5°	7332.5	7264.5	7196.8	7161.0	7125.2	7105.1	7125.2	7161.0	7196.8	7264.5
7080.5	40°	7007.6	6908.6	6810.4	6743.6	6677.5	6638.1	6677.5	6743.6	6810.4	6908.6
6739.5	42.5°	6678.4	6555.6	6432.8	6335.8	6238.8	6175.2	6238.8	6335.8	6432.8	6555.6
6409.4	45°	6354.3	6213.8	6073.7	5959.8	5845.9	5772.6	5845.9	5959.8	6073.7	6213.8
6136.5	47.5°	6097.9	5973.1	5848.3	5742.8	5637.8	5567.3	5637.8	5742.8	5848.3	5973.1
5946.5	50°	5944.9	5845.1	5745.2	5647.8	5550.4	5482.8	5550.4	5647.8	5745.2	5845.1
5820.9	52.5°	5841.8	5760.5	5679.2	5591.9	5504.9	5442.5	5504.9	5591.9	5679.2	5760.5
5716.3	55°	5745.2	5674.4	5603.5	5527.1	5450.6	5394.2	5450.6	5527.1	5603.5	5674.4
5613.6	57.5°	5643.0	5571.3	5499.7	5424.0	5347.9	5289.5	5347.9	5424.0	5499.7	5571.3
5468.7	60°	5500.9	5430.8	5361.2	5283.1	5205.0	5144.6	5205.0	5283.1	5361.2	5430.8
5243.3	62.5°	5274.2	5211.0	5147.8	5065.7	4983.6	4911.1	4983.6	5065.7	5147.8	5211.0
4936.9	65°	4968.3	4907.5	4846.7	4767.0	4687.7	4625.3	4687.7	4767.0	4846.7	4907.5
4588.7	67.5°	4619.3	4563.3	4507.8	4433.7	4359.6	4303.3	4359.6	4433.7	4507.8	4563.3
4216.3	70°	4246.1	4200.6	4155.2	4084.3	4013.5	3949.0	4013.5	4084.3	4155.2	4200.6
3800.1	72.5°	3835.5	3797.7	3759.8	3692.2	3625.0	3562.6	3625.0	3692.2	3759.8	3797.7
3309.0	75°	3346.0	3327.5	3309.0	3252.2	3195.5	3135.9	3195.5	3252.2	3309.0	3327.5
2836.4	77.5°	2871.0	2845.2	2818.7	2761.5	2704.4	2656.9	2704.4	2761.5	2818.7	2845.2
2288.9	80°	2334.8	2323.5	2312.7	2235.8	2158.5	2069.1	2158.5	2235.8	2312.7	2323.5
1665.0	82.5°	1743.1	1738.2	1733.0	1668.2	1603.0	1545.8	1603.0	1668.2	1733.0	1738.2
1010.4	85°	1107.0	1099.0	1090.9	1040.2	989.5	937.9	989.5	1040.2	1090.9	1099.0
440.8	87.5°	479.8	470.2	459.7	434.0	407.4	382.4	407.4	434.0	459.7	470.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
9673.3	2.5°	9711.6	9749.8	9797.3	9844.4	9905.2	9966.4	10027.2	10088.0	10157.2	10226.9
9084.8	5°	9137.6	9190.3	9266.0	9341.2	9439.5	9537.3	9645.2	9753.1	9875.0	9997.4
8730.6	7.5°	8793.4	8856.2	8945.5	9035.3	9154.9	9274.8	9410.9	9546.5	9707.6	9868.6
8623.5	10°	8694.3	8764.4	8871.9	8978.9	9113.8	9248.7	9395.2	9541.3	9702.3	9863.4
8781.7	12.5°	8872.3	8962.8	9099.7	9236.6	9375.9	9515.5	9629.9	9745.0	9851.3	9958.4
9109.0	15°	9246.6	9384.3	9579.2	9774.0	9895.2	10016.3	10046.1	10075.9	10061.4	10046.9
9423.8	17.5°	9626.7	9829.5	10087.6	10345.6	10443.0	10540.9	10447.9	10354.5	10179.0	10003.4
9615.0	20°	9863.4	10112.1	10406.8	10701.9	10747.4	10792.4	10597.2	10402.0	10096.8	9792.1
9621.8	22.5°	9878.2	10134.3	10416.1	10697.8	10670.9	10643.5	10389.5	10135.5	9786.9	9439.1
9427.0	25°	9654.0	9881.9	10112.5	10343.6	10250.6	10157.2	9907.2	9657.2	9344.1	9031.3
9045.4	27.5°	9222.1	9398.8	9563.0	9727.7	9623.4	9519.6	9319.1	9118.6	8861.8	8604.6
8575.2	30°	8702.4	8828.8	8954.4	9079.6	8995.0	8910.5	8743.9	8577.6	8364.2	8150.9
8103.4	32.5°	8204.4	8305.5	8421.0	8536.1	8441.9	8348.1	8188.3	8028.9	7858.2	7688.0
7686.8	35°	7779.7	7873.1	7954.9	8037.0	7924.3	7811.5	7653.3	7495.5	7365.9	7235.9
7332.5	37.5°	7418.6	7504.4	7542.2	7580.1	7440.8	7301.5	7143.7	6986.3	6893.3	6799.9
7007.6	40°	7080.5	7153.4	7144.5	7135.3	6974.6	6814.4	6662.3	6510.1	6442.9	6375.6
6678.4	42.5°	6739.5	6801.1	6754.8	6708.5	6535.4	6362.4	6217.8	6073.7	6018.6	5963.8
6354.3	45°	6409.4	6465.0	6398.6	6332.2	6152.6	5973.1	5836.2	5699.3	5652.6	5606.8
6097.9	47.5°	6136.5	6175.2	6098.7	6022.2	5845.1	5667.9	5534.3	5400.2	5357.2	5313.7
5944.9	50°	5946.5	5948.9	5850.7	5752.5	5593.9	5435.3	5309.3	5182.9	5114.8	5047.2
5841.8	52.5°	5820.9	5800.0	5683.6	5567.3	5419.2	5271.4	5155.9	5040.0	4938.5	4836.7
5745.2	55°	5716.3	5687.3	5563.7	5440.5	5311.3	5181.7	5056.9	4932.1	4788.0	4643.4
5643.0	57.5°	5613.6	5584.2	5460.2	5335.8	5207.4	5079.4	4932.9	4786.4	4631.0	4475.6
5500.9	60°	5468.7	5436.5	5311.7	5186.9	5056.5	4926.4	4758.2	4589.9	4453.8	4317.4
5274.2	62.5°	5243.3	5212.3	5097.9	4983.6	4844.7	4705.8	4509.4	4313.4	4226.8	4140.3
4968.3	65°	4936.9	4905.1	4804.5	4703.8	4571.0	4438.1	4227.6	4017.5	3984.5	3951.1
4619.3	67.5°	4588.7	4557.7	4470.8	4383.8	4258.2	4132.2	3937.8	3743.7	3754.2	3764.7
4246.1	70°	4216.3	4186.6	4108.1	4029.6	3920.9	3812.2	3641.5	3470.8	3507.0	3543.3
3835.5	72.5°	3800.1	3764.7	3687.8	3610.9	3512.7	3414.5	3280.4	3146.0	3198.7	3251.8
3346.0	75°	3309.0	3272.0	3201.9	3131.9	3042.9	2953.9	2854.1	2754.3	2805.4	2856.1
2871.0	77.5°	2836.4	2801.8	2728.5	2654.8	2578.4	2501.9	2421.0	2339.6	2391.2	2442.7
2334.8	80°	2288.9	2243.0	2187.5	2131.5	2067.1	2002.7	1935.5	1867.8	1911.3	1954.4
1743.1	82.5°	1665.0	1586.9	1467.7	1348.6	1371.1	1393.6	1399.3	1404.9	1435.5	1466.1
1107.0	85°	1010.4	913.8	801.9	690.4	752.8	815.2	844.6	873.5	907.8	942.0
479.8	87.5°	440.8	401.7	354.6	308.0	355.9	403.4	404.6	405.8	412.2	418.7
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°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
10303.7	2.5°	10381.0	10476.4	10562.2	10650.7	10739.3	10831.9	10924.5	11016.3	11108.5	11195.0
10143.5	5°	10289.3	10456.3	10625.4	10804.5	10983.7	11175.3	11367.3	11557.7	11748.5	11939.7
10062.2	7.5°	10256.2	10472.4	10703.1	10953.1	11203.1	11486.9	11770.7	12062.1	12353.5	12668.7
10067.9	10°	10272.3	10504.6	10789.2	11085.5	11381.0	11726.0	12070.6	12455.4	12840.6	13239.6
10125.0	12.5°	10292.5	10508.6	10807.7	11142.3	11476.8	11883.4	12289.9	12726.3	13162.7	13600.7
10126.6	15°	10206.7	10379.8	10711.1	11098.4	11485.6	11953.8	12422.0	12895.4	13368.8	13825.7
9974.5	17.5°	9945.1	10051.7	10441.4	10907.2	11372.9	11916.4	12459.8	12976.3	13492.8	13956.1
9655.2	20°	9518.4	9546.5	10000.2	10577.5	11154.7	11813.3	12471.9	13039.5	13607.1	14089.0
9236.6	22.5°	9034.1	8978.9	9495.4	10190.6	10885.8	11686.9	12488.0	13124.8	13761.3	14253.6
8797.8	25°	8564.3	8415.4	8944.7	9758.7	10573.1	11562.1	12551.6	13279.4	14006.8	14488.7
8379.1	27.5°	8153.7	7972.6	8454.4	9363.8	10273.2	11478.8	12684.4	13521.0	14357.1	14817.2
7971.4	30°	7792.6	7650.5	8055.1	9033.7	10012.3	11439.8	12866.4	13833.7	14801.1	15245.1
7582.1	32.5°	7476.2	7413.0	7739.1	8749.1	9758.7	11391.4	13023.4	14160.2	15297.0	15736.6
7206.5	35°	7177.5	7203.7	7475.4	8469.3	9463.2	11300.5	13138.5	14532.2	15925.8	16347.3
6832.1	37.5°	6864.3	6960.1	7197.6	8140.0	9082.4	11144.7	13207.0	14948.8	16690.7	17227.7
6448.5	40°	6521.4	6668.3	6883.7	7747.1	8610.6	10930.1	13250.0	15477.8	17705.1	18487.7
6060.4	42.5°	6157.0	6342.2	6540.7	7313.6	8086.5	10708.7	13331.8	16169.8	19007.7	20137.3
5700.6	45°	5794.8	5973.9	6175.2	6853.1	7531.0	10503.0	13475.5	17080.3	20685.2	22208.9
5392.6	47.5°	5471.5	5625.7	5885.3	6488.8	7092.2	10333.1	13574.1	18050.5	22526.9	24671.7
5116.9	50°	5186.9	5366.0	5707.4	6246.8	6786.2	10148.0	13509.7	18950.6	24391.5	27624.8
4905.5	52.5°	4974.8	5225.1	5617.6	6087.4	6557.6	9835.2	13113.2	19535.1	25956.6	30726.9
4752.5	55°	4862.0	5239.2	5604.3	5971.9	6339.4	9316.7	12294.0	19406.3	26518.2	33477.1
4635.0	57.5°	4794.4	5253.3	5575.4	5835.0	6094.7	8585.7	11076.2	18499.7	25923.6	35426.3
4524.3	60°	4730.8	5209.0	5421.6	5625.7	5829.8	7636.4	9443.1	16812.6	24182.2	35913.4
4398.3	62.5°	4656.7	5100.3	5126.5	5261.8	5397.4	6500.4	7603.4	14531.4	21459.3	33862.4
4226.0	65°	4500.5	4838.7	4835.5	4899.5	4963.5	5478.3	5993.2	12203.8	18414.8	30960.4
3993.3	67.5°	4222.0	4412.0	4420.8	4385.4	4349.6	4496.1	4642.2	9923.7	15205.2	27506.9
3705.9	70°	3868.5	3930.9	3930.9	3765.5	3599.6	3558.2	3516.3	7813.6	12110.8	23738.6
3363.3	72.5°	3474.8	3474.0	3434.6	3199.9	2964.8	2838.4	2712.4	5973.5	9234.6	19653.4
2942.3	75°	3028.0	3043.3	2861.3	2598.1	2334.8	2220.5	2106.2	4335.5	6564.8	14970.5
2511.5	77.5°	2580.4	2588.4	2288.5	2032.9	1777.3	1699.2	1621.5	2937.8	4254.2	10478.1
2012.4	80°	2069.9	2071.1	1712.9	1496.7	1280.1	1247.9	1215.7	1892.8	2570.3	6750.8
1494.3	82.5°	1522.5	1505.5	1199.6	1040.2	880.8	874.3	868.7	1164.2	1460.5	3907.2
972.2	85°	1002.4	980.2	752.8	636.0	519.3	522.5	525.3	622.3	719.8	1757.5
430.7	87.5°	442.8	414.6	320.0	272.1	224.6	227.4	230.3	258.0	285.8	575.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
11281.5	2.5°	11324.2	11367.3	11428.1	11488.9	11525.1	11561.3	11579.4	11597.6	11589.5	11597.6
12130.9	5°	12280.3	12430.0	12578.2	12726.7	12807.2	12887.7	12936.4	12985.6	13022.6	12985.6
12984.3	7.5°	13227.5	13470.2	13688.8	13907.4	14039.0	14170.7	14241.9	14312.8	14347.0	14312.8
13638.5	10°	13925.9	14213.3	14469.8	14726.2	14881.6	15036.2	15105.4	15174.2	15200.4	15174.2
14039.0	12.5°	14350.6	14661.8	14893.7	15124.7	15237.4	15350.2	15388.0	15425.8	15429.9	15425.8
14282.6	15°	14551.5	14820.0	14965.3	15111.0	15115.1	15119.1	15078.8	15038.6	14991.1	15038.6
14419.4	17.5°	14601.0	14782.6	14785.4	14787.8	14624.8	14461.7	14312.4	14162.6	14057.2	14162.6
14570.4	20°	14633.6	14697.2	14506.0	14314.8	13954.9	13595.0	13333.0	13070.9	12909.9	13070.9
14745.5	22.5°	14662.6	14579.7	14183.6	13787.4	13258.1	12728.7	12401.0	12073.4	11895.4	12073.4
14970.9	25°	14709.3	14447.6	13846.2	13244.8	12601.9	11959.0	11614.5	11270.7	11102.4	11270.7
15276.9	27.5°	14809.1	14341.0	13544.3	12748.0	12035.5	11323.0	10984.1	10645.5	10486.5	10645.5
15689.5	30°	14991.9	14294.7	13314.0	12333.4	11591.1	10848.8	10534.4	10220.0	10071.9	10220.0
16176.6	32.5°	15221.3	14266.5	13157.0	12047.6	11350.0	10652.4	10405.6	10158.4	10051.7	10158.4
16768.3	35°	15599.3	14430.7	13274.6	12118.9	11634.2	11149.9	11092.3	11034.8	11025.9	11034.8
17764.7	37.5°	16389.5	15014.4	13963.8	12913.1	12881.7	12850.3	13113.6	13376.8	13513.7	13376.8
19270.2	40°	17774.7	16279.2	15497.9	14716.5	15268.0	15819.5	16459.6	17099.6	17418.5	17099.6
21266.9	42.5°	19783.1	18299.3	17849.2	17399.1	18602.0	19804.8	20969.0	22133.2	22816.7	22133.2
23732.5	45°	22399.7	21066.4	20867.9	20669.1	22596.1	24523.5	26436.5	28349.8	29511.2	28349.8
26816.1	47.5°	25519.4	24222.4	24182.2	24141.9	26921.9	29701.2	32501.7	35301.9	36946.3	35301.9
30857.7	50°	29255.9	27654.6	27661.4	27668.3	31251.0	34833.7	38530.4	42227.0	44462.0	42227.0
35497.1	52.5°	33557.6	31618.5	31422.5	31226.0	35505.6	39785.1	44358.9	48932.3	51611.3	48932.3
40436.5	55°	38520.3	36604.1	35839.7	35075.3	39838.3	44600.9	50053.4	55506.0	58692.2	55506.0
44928.9	57.5°	43885.5	42841.7	41308.4	39775.5	44584.8	49394.1	55570.0	61745.6	65696.7	61745.6
47644.2	60°	49264.8	50885.9	48981.8	47077.8	51629.0	56180.3	62792.6	69405.0	73675.3	69405.0
46265.4	62.5°	50693.9	55122.4	54907.8	54692.9	58862.1	63031.8	69322.9	75613.5	79560.6	75613.5
43505.9	65°	47662.3	51818.6	52641.1	53463.1	58761.5	64060.3	70160.6	76260.5	79621.0	76260.5
39808.5	67.5°	43761.5	47714.6	48100.3	48485.5	54006.1	59526.3	65652.8	71779.2	74411.9	71779.2
35366.3	70°	39666.0	43966.0	44138.3	44311.0	49247.9	54184.4	59456.7	64728.5	66191.8	64728.5
30072.7	72.5°	35006.8	39941.3	40065.3	40188.9	44051.4	47913.9	51862.5	55810.8	55958.9	55810.8
23376.3	75°	28483.0	33589.8	34048.3	34506.8	37511.9	40517.0	43296.6	46076.2	45331.5	46076.2
16701.9	77.5°	21469.0	26236.4	26892.6	27548.7	29833.2	32117.7	34089.0	36060.7	34780.6	36060.7
10931.3	80°	14942.0	18952.2	19767.8	20583.3	22308.7	24033.2	25068.6	26103.6	24044.5	26103.6
6354.3	82.5°	9096.1	11838.3	12749.3	13660.6	14848.2	16035.7	16467.6	16899.2	15280.9	16899.2
2795.7	85°	4251.0	5706.2	6481.1	7256.0	8231.8	9207.2	9452.3	9697.5	8401.3	9697.5
865.5	87.5°	1354.6	1843.7	2276.0	2708.4	3196.3	3684.2	3705.1	3725.6	3127.8	3725.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
10490.5	0°	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5	10490.5
11579.4	2.5°	11561.3	11525.1	11488.9	11428.1	11367.3	11324.2	11281.5
12936.4	5°	12887.7	12807.2	12726.7	12578.2	12430.0	12280.3	12130.9
14241.9	7.5°	14170.7	14039.0	13907.4	13688.8	13470.2	13227.5	12984.3
15105.4	10°	15036.2	14881.6	14726.2	14469.8	14213.3	13925.9	13638.5
15388.0	12.5°	15350.2	15237.4	15124.7	14893.7	14661.8	14350.6	14039.0
15078.8	15°	15119.1	15115.1	15111.0	14965.3	14820.0	14551.5	14282.6
14312.4	17.5°	14461.7	14624.8	14787.8	14785.4	14782.6	14601.0	14419.4
13333.0	20°	13595.0	13954.9	14314.8	14506.0	14697.2	14633.6	14570.4
12401.0	22.5°	12728.7	13258.1	13787.4	14183.6	14579.7	14662.6	14745.5
11614.5	25°	11959.0	12601.9	13244.8	13846.2	14447.6	14709.3	14970.9
10984.1	27.5°	11323.0	12035.5	12748.0	13544.3	14341.0	14809.1	15276.9
10534.4	30°	10848.8	11591.1	12333.4	13314.0	14294.7	14991.9	15689.5
10405.6	32.5°	10652.4	11350.0	12047.6	13157.0	14266.5	15221.3	16176.6
11092.3	35°	11149.9	11634.2	12118.9	13274.6	14430.7	15599.3	16768.3
13113.6	37.5°	12850.3	12881.7	12913.1	13963.8	15014.4	16389.5	17764.7
16459.6	40°	15819.5	15268.0	14716.5	15497.9	16279.2	17774.7	19270.2
20969.0	42.5°	19804.8	18602.0	17399.1	17849.2	18299.3	19783.1	21266.9
26436.5	45°	24523.5	22596.1	20669.1	20867.9	21066.4	22399.7	23732.5
32501.7	47.5°	29701.2	26921.9	24141.9	24182.2	24222.4	25519.4	26816.1
38530.4	50°	34833.7	31251.0	27668.3	27661.4	27654.6	29255.9	30857.7
44358.9	52.5°	39785.1	35505.6	31226.0	31422.5	31618.5	33557.6	35497.1
50053.4	55°	44600.9	39838.3	35075.3	35839.7	36604.1	38520.3	40436.5
55570.0	57.5°	49394.1	44584.8	39775.5	41308.4	42841.7	43885.5	44928.9
62792.6	60°	56180.3	51629.0	47077.8	48981.8	50885.9	49264.8	47644.2
69322.9	62.5°	63031.8	58862.1	54692.9	54907.8	55122.4	50693.9	46265.4
70160.6	65°	64060.3	58761.5	53463.1	52641.1	51818.6	47662.3	43505.9
65652.8	67.5°	59526.3	54006.1	48485.5	48100.3	47714.6	43761.5	39808.5
59456.7	70°	54184.4	49247.9	44311.0	44138.3	43966.0	39666.0	35366.3
51862.5	72.5°	47913.9	44051.4	40188.9	40065.3	39941.3	35006.8	30072.7
43296.6	75°	40517.0	37511.9	34506.8	34048.3	33589.8	28483.0	23376.3
34089.0	77.5°	32117.7	29833.2	27548.7	26892.6	26236.4	21469.0	16701.9
25068.6	80°	24033.2	22308.7	20583.3	19767.8	18952.2	14942.0	10931.3
16467.6	82.5°	16035.7	14848.2	13660.6	12749.3	11838.3	9096.1	6354.3
9452.3	85°	9207.2	8231.8	7256.0	6481.1	5706.2	4251.0	2795.7
3705.1	87.5°	3684.2	3196.3	2708.4	2276.0	1843.7	1354.6	865.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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