

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: P955636

Luminaire Tested: **GALN-SB8C-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955636
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-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63839 lumens
Efficiency: N/A
Efficacy: 159.7 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

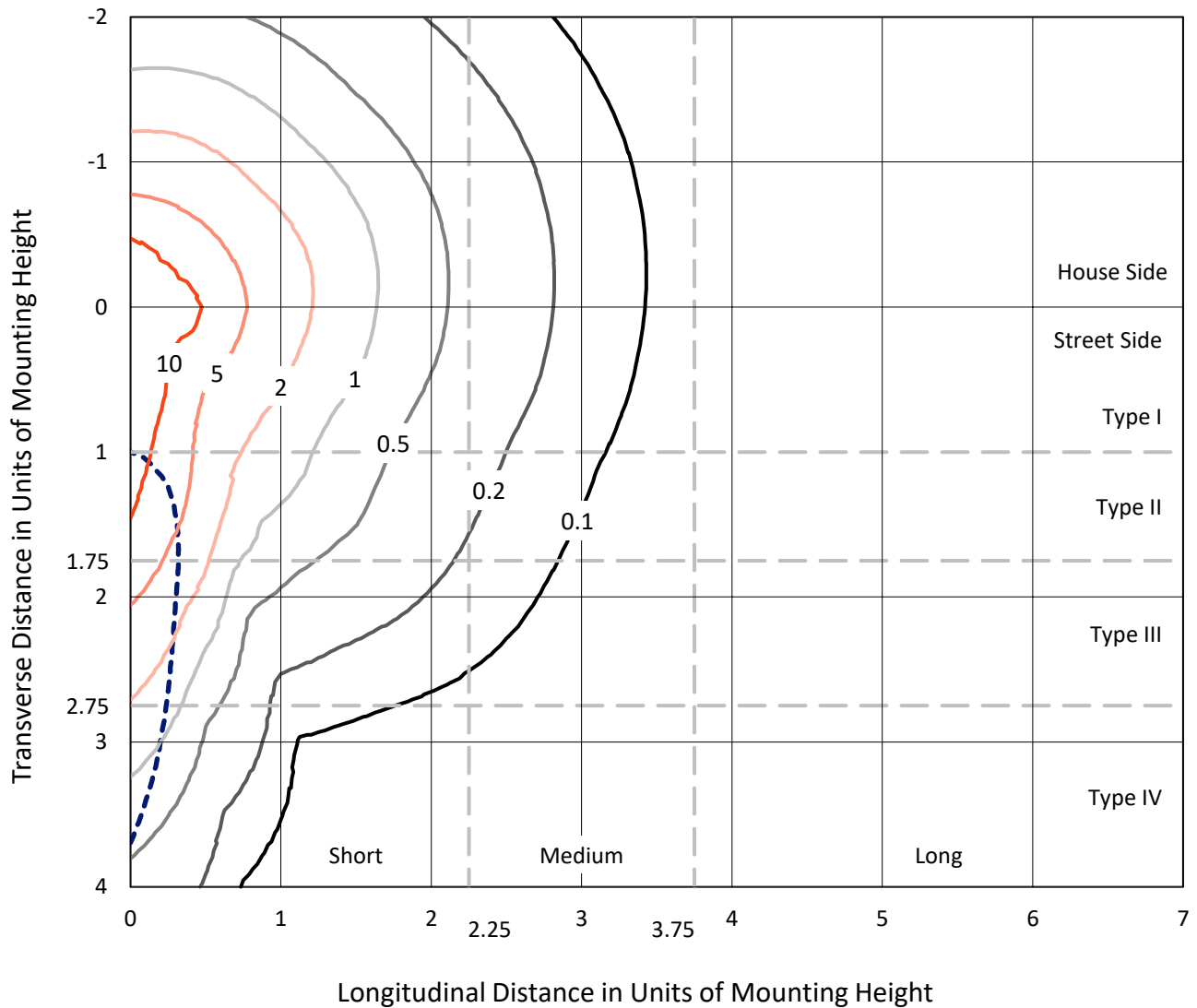
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

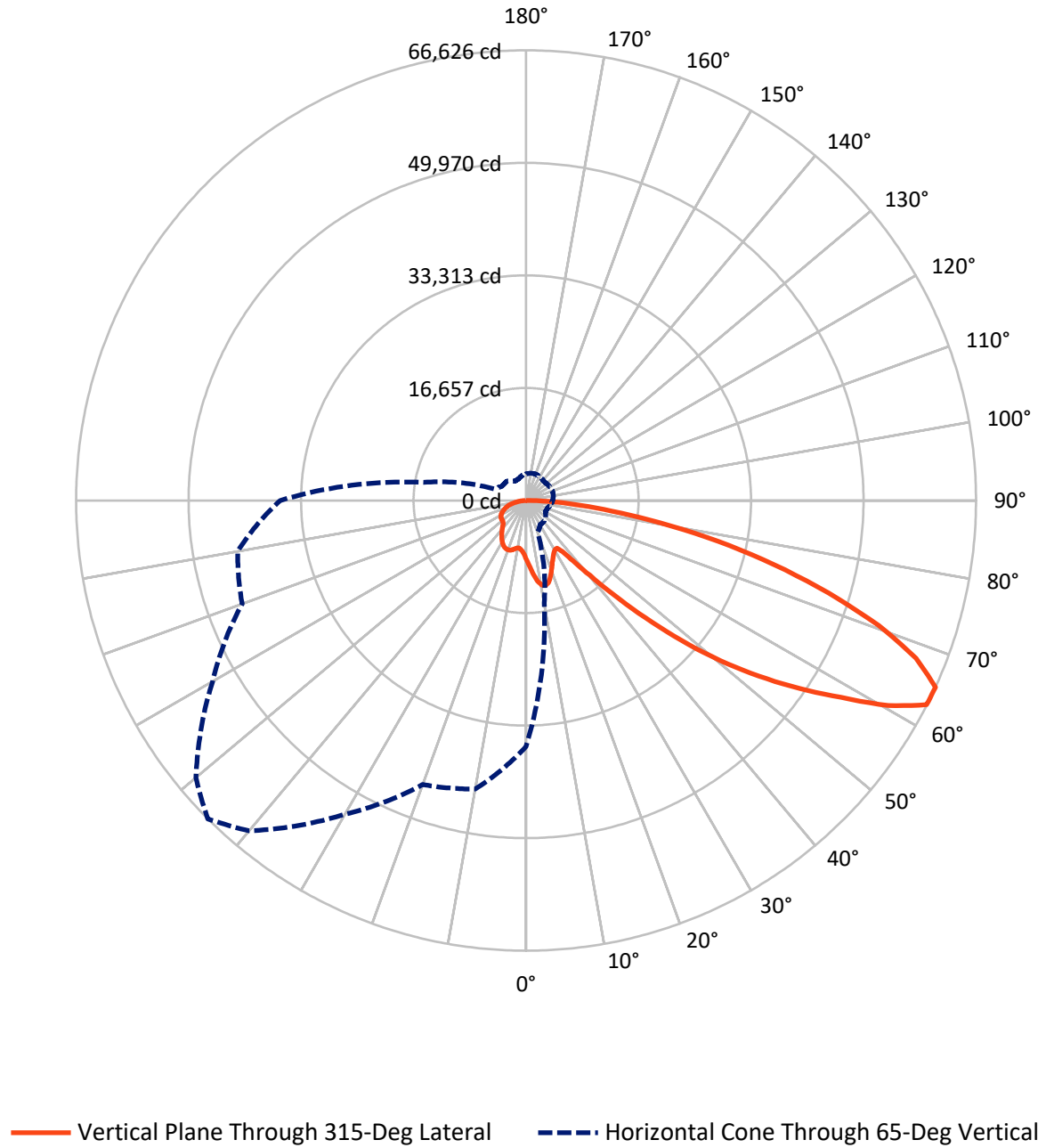
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 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	16224.7	0.0	16224.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	47614.3	0.0	47614.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	63839.0	0.0	63839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.8	1.4
10°-20°	2733.7	4.3
20°-30°	4222.6	6.6
30°-40°	5351.0	8.4
40°-50°	8070.7	12.6
50°-60°	13039.4	20.4
60°-70°	16255.7	25.5
70°-80°	10659.7	16.7
80°-90°	2635.3	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°	63839.0	100.0
0°-180°	63839.0	100.0

Coefficient of Utilization



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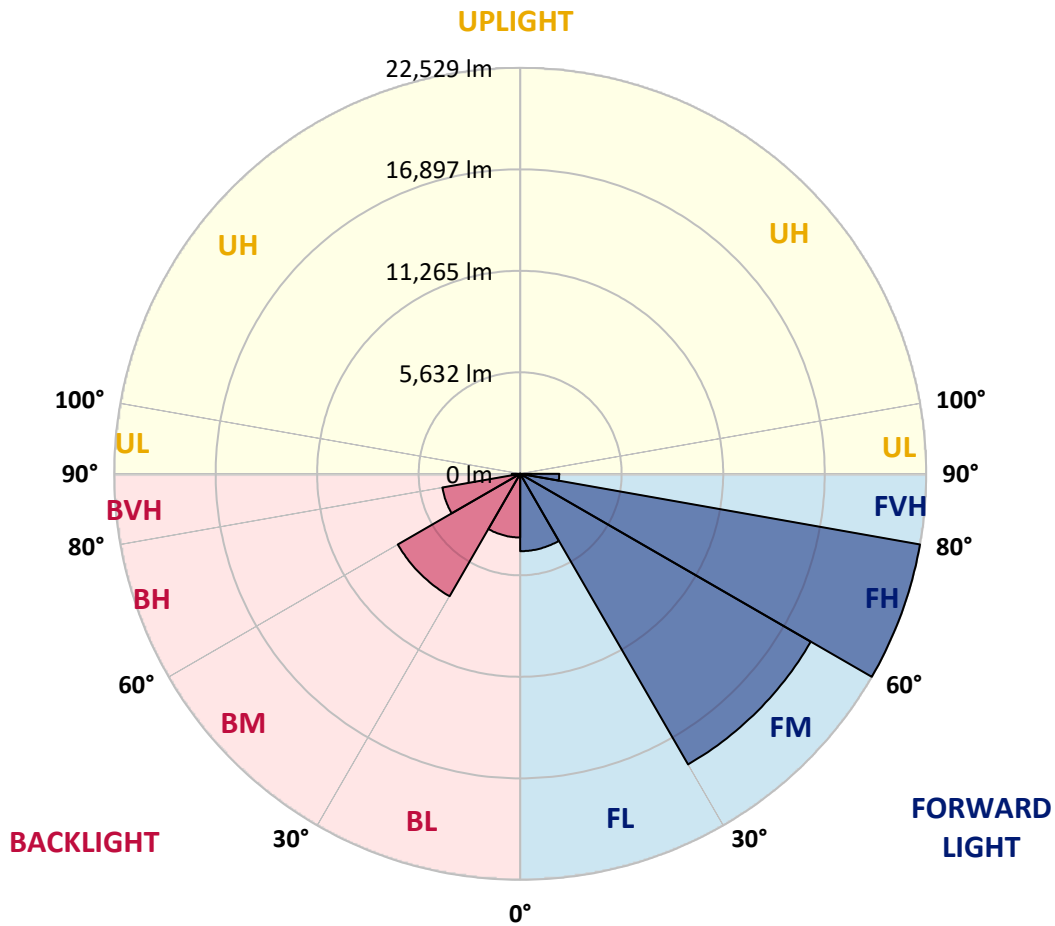
CATALOG NUMBER: GALN-SB8C-740-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4293.9	6.7			
FM (30°-60°)	18620.4	29.2			
FH (60°-80°)	22529.0	35.3			G5
FVH (80°-90°)	2170.9	3.4			G5
BL (0°-30°)	3533.1	5.5	B4/5000		
BM (30°-60°)	7840.7	12.3	B4/8500		
BH (60°-80°)	4386.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	464.4	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°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
2.5°	9440.3	9367.9	9295.5	9218.3	9141.5	9064.1	8986.6	8912.5	8838.4	8766.6
5°	10151.1	9991.1	9831.1	9671.4	9512.1	9351.4	9191.1	9041.2	8891.3	8749.8
7.5°	10865.2	10601.1	10337.4	10093.5	9849.6	9612.1	9374.6	9165.5	8956.3	8763.3
10°	11412.6	11078.8	10745.0	10422.6	10100.6	9812.2	9523.5	9276.3	9028.4	8790.2
12.5°	11747.8	11380.9	11014.4	10649.3	10284.1	9943.9	9603.7	9323.8	9043.9	8793.6
15°	11951.6	11569.2	11186.9	10790.8	10394.6	10002.9	9611.1	9287.1	8963.0	8685.8
17.5°	12066.1	11678.4	11290.7	10858.5	10426.3	9971.5	9516.8	9127.1	8737.3	8411.2
20°	12192.4	11789.5	11386.3	10911.4	10436.4	9885.3	9334.2	8851.2	8368.1	7988.5
22.5°	12339.0	11927.3	11515.4	10982.8	10449.9	9779.5	9109.2	8527.5	7945.7	7513.5
25°	12527.6	12124.0	11720.8	11112.1	10503.1	9675.1	8847.5	8166.0	7484.9	7041.9
27.5°	12783.6	12398.9	12013.9	11314.2	10614.3	9605.4	8596.5	7835.6	7074.6	6671.4
30°	13128.9	12757.0	12385.4	11576.0	10766.5	9572.7	8378.2	7559.3	6740.4	6401.9
32.5°	13536.5	13168.3	12800.4	11849.2	10897.9	9532.3	8166.0	7321.2	6476.0	6203.2
35°	14031.6	13679.3	13326.6	12160.4	10994.2	9456.2	7918.8	7087.1	6255.4	6028.0
37.5°	14865.4	14416.0	13966.6	12509.1	11051.5	9325.8	7600.1	6811.5	6022.9	5824.2
40°	16125.2	15470.4	14815.5	12951.7	11087.5	9146.3	7205.3	6482.8	5760.2	5580.0
42.5°	17796.0	16850.8	15905.6	13530.7	11155.9	8961.0	6766.7	6120.0	5473.2	5307.1
45°	19859.2	18584.2	17309.2	14292.7	11276.2	8788.9	6301.9	5734.6	5167.3	4998.9
47.5°	22439.5	20645.1	18850.3	15104.5	11358.7	8646.7	5934.7	5429.7	4924.8	4707.5
50°	25821.5	23116.3	20410.7	15857.7	11304.8	8491.7	5678.7	5227.3	4775.9	4490.3
52.5°	29703.8	25712.1	21720.3	16346.8	10973.0	8230.0	5487.3	5093.9	4700.8	4372.4
55°	33837.0	28013.4	22190.2	16239.1	10287.5	7796.1	5304.8	4997.2	4689.7	4384.2
57.5°	37596.3	29644.5	21692.7	15480.5	9268.5	7184.4	5100.0	4882.7	4665.4	4395.9
60°	39868.3	30052.1	20235.5	14068.7	7901.9	6390.1	4878.3	4707.5	4536.7	4358.9
62.5°	38714.6	28335.8	17957.0	12159.8	6362.5	5439.5	4516.5	4403.0	4289.8	4267.9
65°	36405.5	25907.4	15409.4	10212.1	5015.1	4584.2	4153.4	4099.8	4046.3	4049.0
67.5°	33311.5	23017.6	12723.6	8304.1	3884.6	3762.3	3639.7	3669.7	3699.3	3691.9
70°	29594.3	19864.3	10134.2	6538.3	2942.4	2977.5	3012.1	3150.9	3289.4	3289.4
72.5°	25164.7	16445.9	7727.4	4998.6	2269.7	2375.2	2480.9	2677.7	2874.0	2907.0
75°	19561.1	12527.3	5493.4	3627.9	1762.4	1858.1	1953.8	2174.1	2394.4	2546.6
77.5°	13976.1	8768.0	3559.9	2458.4	1356.8	1421.9	1487.2	1701.1	1915.0	2166.0
80°	9147.3	5649.0	2150.8	1583.9	1017.3	1044.2	1071.2	1252.4	1433.3	1733.1
82.5°	5317.2	3269.5	1222.1	974.2	726.9	731.6	737.0	870.4	1003.8	1259.8
85°	2339.5	1470.7	602.3	520.8	439.6	437.2	434.5	532.2	629.9	820.2
87.5°	724.2	481.7	239.2	215.9	192.7	190.3	188.0	227.7	267.8	347.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
8686.8	2.5°	8622.1	8557.8	8499.5	8441.6	8390.7	8339.8	8288.6	8237.8	8198.3	8158.6
8610.0	5°	8488.0	8365.8	8263.4	8161.3	8071.0	7980.7	7898.9	7816.7	7753.7	7690.4
8582.4	7.5°	8420.0	8258.0	8123.2	7988.5	7875.0	7761.1	7660.7	7560.7	7485.6	7410.8
8595.8	10°	8424.7	8253.6	8118.9	7984.1	7861.8	7739.2	7626.4	7513.5	7423.9	7334.0
8612.7	12.5°	8472.5	8333.1	8243.5	8154.6	8058.2	7962.6	7845.7	7729.1	7614.6	7500.1
8540.9	15°	8473.9	8407.2	8419.3	8431.5	8406.5	8381.6	8280.2	8178.8	8015.8	7852.7
8322.0	17.5°	8346.6	8370.8	8517.7	8664.6	8742.7	8820.5	8738.7	8657.1	8441.2	8225.3
7964.9	20°	8079.4	8194.0	8449.0	8704.3	8867.7	9031.1	8993.3	8955.3	8708.3	8461.8
7559.7	22.5°	7729.1	7898.5	8189.6	8481.3	8693.9	8906.4	8929.3	8951.9	8716.1	8480.3
7166.6	25°	7361.9	7557.3	7819.1	8081.1	8290.3	8499.5	8577.6	8655.5	8462.1	8269.1
6823.0	27.5°	7011.6	7200.3	7415.5	7630.4	7798.2	7965.9	8052.8	8140.1	8002.3	7864.9
6520.8	30°	6670.4	6820.6	6999.2	7177.7	7316.8	7456.3	7527.0	7597.7	7493.0	7387.9
6256.1	32.5°	6344.6	6433.2	6575.7	6718.6	6851.9	6985.7	7064.2	7143.0	7046.6	6950.0
6006.1	35°	6030.4	6054.9	6163.8	6272.2	6404.3	6536.6	6631.0	6725.3	6656.6	6588.2
5744.0	37.5°	5717.1	5690.1	5768.3	5846.1	5977.8	6109.9	6226.4	6343.0	6311.3	6279.6
5457.0	40°	5396.1	5335.1	5391.3	5447.6	5574.9	5702.3	5836.3	5970.7	5978.5	5985.9
5152.2	42.5°	5071.3	4990.5	5036.3	5082.5	5203.0	5324.0	5468.8	5613.7	5652.4	5691.1
4849.0	45°	4770.2	4691.7	4730.1	4769.2	4883.7	4998.2	5148.5	5298.7	5354.3	5409.9
4578.5	47.5°	4512.5	4446.5	4482.9	4518.9	4631.1	4742.9	4891.1	5039.3	5103.3	5167.3
4340.4	50°	4281.7	4223.5	4280.1	4337.0	4442.8	4548.2	4680.9	4813.6	4895.8	4978.0
4162.8	52.5°	4104.9	4047.3	4132.5	4217.4	4314.4	4411.1	4534.7	4658.7	4756.0	4853.4
4068.5	55°	3976.9	3885.6	4006.5	4127.1	4231.6	4336.0	4444.5	4552.6	4655.7	4759.1
4011.9	57.5°	3878.5	3745.1	3875.2	4005.2	4127.8	4250.4	4357.5	4465.0	4569.1	4672.8
3958.7	60°	3785.9	3612.8	3727.0	3840.8	3981.6	4122.4	4231.2	4340.4	4444.8	4549.2
3896.7	62.5°	3680.5	3464.5	3537.0	3609.4	3773.4	3937.8	4054.0	4170.3	4265.9	4361.6
3766.0	65°	3536.3	3306.2	3334.2	3361.8	3537.6	3713.8	3825.0	3936.1	4020.4	4104.6
3532.9	67.5°	3341.6	3150.3	3141.5	3132.7	3295.1	3457.8	3563.2	3668.3	3741.1	3813.9
3237.2	70°	3101.1	2965.0	2934.7	2904.4	3047.2	3190.0	3281.0	3371.9	3437.6	3503.3
2907.7	72.5°	2814.4	2721.1	2676.6	2632.5	2745.0	2857.2	2939.4	3021.6	3085.9	3150.3
2533.8	75°	2462.1	2390.0	2347.5	2304.8	2388.3	2471.8	2546.3	2620.7	2679.3	2737.9
2159.2	77.5°	2101.6	2044.0	2000.9	1957.8	2025.8	2093.5	2157.5	2221.6	2283.2	2344.5
1732.1	80°	1683.9	1635.4	1599.4	1563.0	1619.6	1675.8	1729.7	1783.6	1830.5	1876.9
1274.0	82.5°	1250.4	1226.8	1201.2	1175.6	1170.9	1166.2	1147.3	1128.5	1128.2	1327.9
838.8	85°	813.5	788.2	759.6	731.0	706.7	682.1	629.9	577.7	671.0	764.7
370.5	87.5°	360.4	350.3	344.9	339.5	338.5	337.5	297.8	257.7	296.8	336.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
8126.6	2.5°	8094.6	8069.7	8044.7	8021.8	7998.6	7970.0	7998.6	8021.8	8044.7	8069.7
7646.2	5°	7602.1	7570.8	7539.5	7515.5	7491.6	7468.1	7491.6	7515.5	7539.5	7570.8
7358.2	7.5°	7305.7	7269.6	7233.9	7212.4	7191.2	7175.0	7191.2	7212.4	7233.9	7269.6
7275.4	10°	7216.1	7182.1	7148.0	7129.8	7111.7	7104.2	7111.7	7129.8	7148.0	7182.1
7424.3	12.5°	7348.5	7310.4	7272.7	7257.2	7241.7	7239.0	7241.7	7257.2	7272.7	7310.4
7737.5	15°	7622.3	7569.4	7516.9	7496.7	7476.5	7474.8	7476.5	7496.7	7516.9	7569.4
8055.5	17.5°	7885.7	7807.6	7729.1	7703.5	7677.6	7673.5	7677.6	7703.5	7729.1	7807.6
8253.6	20°	8045.8	7945.7	7845.3	7813.3	7781.3	7771.2	7781.3	7813.3	7845.3	7945.7
8266.1	22.5°	8051.5	7946.0	7840.3	7804.9	7769.5	7754.4	7769.5	7804.9	7840.3	7946.0
8078.4	25°	7888.4	7796.8	7705.5	7672.2	7639.2	7619.6	7639.2	7672.2	7705.5	7796.8
7717.0	27.5°	7569.1	7507.8	7446.2	7431.0	7415.8	7410.8	7415.8	7431.0	7446.2	7507.8
7282.1	30°	7175.7	7144.3	7112.7	7112.7	7112.7	7117.7	7112.7	7112.7	7112.7	7144.3
6865.4	32.5°	6780.9	6760.3	6739.8	6742.5	6745.5	6750.6	6745.5	6742.5	6739.8	6760.3
6510.0	35°	6432.2	6400.9	6369.9	6363.2	6356.4	6353.1	6356.4	6363.2	6369.9	6400.9
6207.9	37.5°	6135.8	6078.9	6022.3	5992.3	5962.3	5945.5	5962.3	5992.3	6022.3	6078.9
5924.9	40°	5864.0	5781.1	5698.9	5643.0	5587.7	5554.7	5587.7	5643.0	5698.9	5781.1
5639.6	42.5°	5588.4	5485.7	5382.9	5301.7	5220.6	5167.3	5220.6	5301.7	5382.9	5485.7
5363.4	45°	5317.2	5199.7	5082.5	4987.1	4891.8	4830.5	4891.8	4987.1	5082.5	5199.7
5135.0	47.5°	5102.7	4998.2	4893.8	4805.6	4717.6	4658.7	4717.6	4805.6	4893.8	4998.2
4976.0	50°	4974.7	4891.1	4807.6	4726.1	4644.5	4587.9	4644.5	4726.1	4807.6	4891.1
4870.9	52.5°	4888.4	4820.4	4752.3	4679.2	4606.5	4554.3	4606.5	4679.2	4752.3	4820.4
4783.3	55°	4807.6	4748.3	4689.0	4625.0	4561.0	4513.8	4561.0	4625.0	4689.0	4748.3
4697.4	57.5°	4722.0	4662.1	4602.1	4538.8	4475.1	4426.3	4475.1	4538.8	4602.1	4662.1
4576.2	60°	4603.1	4544.5	4486.2	4420.9	4355.5	4305.0	4355.5	4420.9	4486.2	4544.5
4387.5	62.5°	4413.5	4360.6	4307.7	4239.0	4170.3	4109.6	4170.3	4239.0	4307.7	4360.6
4131.2	65°	4157.5	4106.6	4055.7	3989.0	3922.7	3870.5	3922.7	3989.0	4055.7	4106.6
3839.8	67.5°	3865.4	3818.6	3772.1	3710.1	3648.1	3601.0	3648.1	3710.1	3772.1	3818.6
3528.2	70°	3553.1	3515.1	3477.0	3417.7	3358.4	3304.5	3358.4	3417.7	3477.0	3515.1
3179.9	72.5°	3209.5	3177.9	3146.2	3089.6	3033.4	2981.2	3033.4	3089.6	3146.2	3177.9
2768.9	75°	2799.9	2784.4	2768.9	2721.4	2673.9	2624.1	2673.9	2721.4	2768.9	2784.4
2373.5	77.5°	2402.4	2380.9	2358.7	2310.8	2263.0	2223.2	2263.0	2310.8	2358.7	2380.9
1915.4	80°	1953.8	1944.3	1935.2	1870.9	1806.2	1731.4	1806.2	1870.9	1935.2	1944.3
1393.2	82.5°	1458.6	1454.5	1450.2	1395.9	1341.4	1293.5	1341.4	1395.9	1450.2	1454.5
845.5	85°	926.3	919.6	912.9	870.4	828.0	784.9	828.0	870.4	912.9	919.6
368.9	87.5°	401.5	393.4	384.7	363.1	340.9	320.0	340.9	363.1	384.7	393.4
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°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
8094.6	2.5°	8126.6	8158.6	8198.3	8237.8	8288.6	8339.8	8390.7	8441.6	8499.5	8557.8
7602.1	5°	7646.2	7690.4	7753.7	7816.7	7898.9	7980.7	8071.0	8161.3	8263.4	8365.8
7305.7	7.5°	7358.2	7410.8	7485.6	7560.7	7660.7	7761.1	7875.0	7988.5	8123.2	8258.0
7216.1	10°	7275.4	7334.0	7423.9	7513.5	7626.4	7739.2	7861.8	7984.1	8118.9	8253.6
7348.5	12.5°	7424.3	7500.1	7614.6	7729.1	7845.7	7962.6	8058.2	8154.6	8243.5	8333.1
7622.3	15°	7737.5	7852.7	8015.8	8178.8	8280.2	8381.6	8406.5	8431.5	8419.3	8407.2
7885.7	17.5°	8055.5	8225.3	8441.2	8657.1	8738.7	8820.5	8742.7	8664.6	8517.7	8370.8
8045.8	20°	8253.6	8461.8	8708.3	8955.3	8993.3	9031.1	8867.7	8704.3	8449.0	8194.0
8051.5	22.5°	8266.1	8480.3	8716.1	8951.9	8929.3	8906.4	8693.9	8481.3	8189.6	7898.5
7888.4	25°	8078.4	8269.1	8462.1	8655.5	8577.6	8499.5	8290.3	8081.1	7819.1	7557.3
7569.1	27.5°	7717.0	7864.9	8002.3	8140.1	8052.8	7965.9	7798.2	7630.4	7415.5	7200.3
7175.7	30°	7282.1	7387.9	7493.0	7597.7	7527.0	7456.3	7316.8	7177.7	6999.2	6820.6
6780.9	32.5°	6865.4	6950.0	7046.6	7143.0	7064.2	6985.7	6851.9	6718.6	6575.7	6433.2
6432.2	35°	6510.0	6588.2	6656.6	6725.3	6631.0	6536.6	6404.3	6272.2	6163.8	6054.9
6135.8	37.5°	6207.9	6279.6	6311.3	6343.0	6226.4	6109.9	5977.8	5846.1	5768.3	5690.1
5864.0	40°	5924.9	5985.9	5978.5	5970.7	5836.3	5702.3	5574.9	5447.6	5391.3	5335.1
5588.4	42.5°	5639.6	5691.1	5652.4	5613.7	5468.8	5324.0	5203.0	5082.5	5036.3	4990.5
5317.2	45°	5363.4	5409.9	5354.3	5298.7	5148.5	4998.2	4883.7	4769.2	4730.1	4691.7
5102.7	47.5°	5135.0	5167.3	5103.3	5039.3	4891.1	4742.9	4631.1	4518.9	4482.9	4446.5
4974.7	50°	4976.0	4978.0	4895.8	4813.6	4680.9	4548.2	4442.8	4337.0	4280.1	4223.5
4888.4	52.5°	4870.9	4853.4	4756.0	4658.7	4534.7	4411.1	4314.4	4217.4	4132.5	4047.3
4807.6	55°	4783.3	4759.1	4655.7	4552.6	4444.5	4336.0	4231.6	4127.1	4006.5	3885.6
4722.0	57.5°	4697.4	4672.8	4569.1	4465.0	4357.5	4250.4	4127.8	4005.2	3875.2	3745.1
4603.1	60°	4576.2	4549.2	4444.8	4340.4	4231.2	4122.4	3981.6	3840.8	3727.0	3612.8
4413.5	62.5°	4387.5	4361.6	4265.9	4170.3	4054.0	3937.8	3773.4	3609.4	3537.0	3464.5
4157.5	65°	4131.2	4104.6	4020.4	3936.1	3825.0	3713.8	3537.6	3361.8	3334.2	3306.2
3865.4	67.5°	3839.8	3813.9	3741.1	3668.3	3563.2	3457.8	3295.1	3132.7	3141.5	3150.3
3553.1	70°	3528.2	3503.3	3437.6	3371.9	3281.0	3190.0	3047.2	2904.4	2934.7	2965.0
3209.5	72.5°	3179.9	3150.3	3085.9	3021.6	2939.4	2857.2	2745.0	2632.5	2676.6	2721.1
2799.9	75°	2768.9	2737.9	2679.3	2620.7	2546.3	2471.8	2388.3	2304.8	2347.5	2390.0
2402.4	77.5°	2373.5	2344.5	2283.2	2221.6	2157.5	2093.5	2025.8	1957.8	2000.9	2044.0
1953.8	80°	1915.4	1876.9	1830.5	1783.6	1729.7	1675.8	1619.6	1563.0	1599.4	1635.4
1458.6	82.5°	1393.2	1327.9	1228.2	1128.5	1147.3	1166.2	1170.9	1175.6	1201.2	1226.8
926.3	85°	845.5	764.7	671.0	577.7	629.9	682.1	706.7	731.0	759.6	788.2
401.5	87.5°	368.9	336.2	296.8	257.7	297.8	337.5	338.5	339.5	344.9	350.3
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°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
8622.1	2.5°	8686.8	8766.6	8838.4	8912.5	8986.6	9064.1	9141.5	9218.3	9295.5	9367.9
8488.0	5°	8610.0	8749.8	8891.3	9041.2	9191.1	9351.4	9512.1	9671.4	9831.1	9991.1
8420.0	7.5°	8582.4	8763.3	8956.3	9165.5	9374.6	9612.1	9849.6	10093.5	10337.4	10601.1
8424.7	10°	8595.8	8790.2	9028.4	9276.3	9523.5	9812.2	10100.6	10422.6	10745.0	11078.8
8472.5	12.5°	8612.7	8793.6	9043.9	9323.8	9603.7	9943.9	10284.1	10649.3	11014.4	11380.9
8473.9	15°	8540.9	8685.8	8963.0	9287.1	9611.1	10002.9	10394.6	10790.8	11186.9	11569.2
8346.6	17.5°	8322.0	8411.2	8737.3	9127.1	9516.8	9971.5	10426.3	10858.5	11290.7	11678.4
8079.4	20°	7964.9	7988.5	8368.1	8851.2	9334.2	9885.3	10436.4	10911.4	11386.3	11789.5
7729.1	22.5°	7559.7	7513.5	7945.7	8527.5	9109.2	9779.5	10449.9	10982.8	11515.4	11927.3
7361.9	25°	7166.6	7041.9	7484.9	8166.0	8847.5	9675.1	10503.1	11112.1	11720.8	12124.0
7011.6	27.5°	6823.0	6671.4	7074.6	7835.6	8596.5	9605.4	10614.3	11314.2	12013.9	12398.9
6670.4	30°	6520.8	6401.9	6740.4	7559.3	8378.2	9572.7	10766.5	11576.0	12385.4	12757.0
6344.6	32.5°	6256.1	6203.2	6476.0	7321.2	8166.0	9532.3	10897.9	11849.2	12800.4	13168.3
6030.4	35°	6006.1	6028.0	6255.4	7087.1	7918.8	9456.2	10994.2	12160.4	13326.6	13679.3
5717.1	37.5°	5744.0	5824.2	6022.9	6811.5	7600.1	9325.8	11051.5	12509.1	13966.6	14416.0
5396.1	40°	5457.0	5580.0	5760.2	6482.8	7205.3	9146.3	11087.5	12951.7	14815.5	15470.4
5071.3	42.5°	5152.2	5307.1	5473.2	6120.0	6766.7	8961.0	11155.9	13530.7	15905.6	16850.8
4770.2	45°	4849.0	4998.9	5167.3	5734.6	6301.9	8788.9	11276.2	14292.7	17309.2	18584.2
4512.5	47.5°	4578.5	4707.5	4924.8	5429.7	5934.7	8646.7	11358.7	15104.5	18850.3	20645.1
4281.7	50°	4340.4	4490.3	4775.9	5227.3	5678.7	8491.7	11304.8	15857.7	20410.7	23116.3
4104.9	52.5°	4162.8	4372.4	4700.8	5093.9	5487.3	8230.0	10973.0	16346.8	21720.3	25712.1
3976.9	55°	4068.5	4384.2	4689.7	4997.2	5304.8	7796.1	10287.5	16239.1	22190.2	28013.4
3878.5	57.5°	4011.9	4395.9	4665.4	4882.7	5100.0	7184.4	9268.5	15480.5	21692.7	29644.5
3785.9	60°	3958.7	4358.9	4536.7	4707.5	4878.3	6390.1	7901.9	14068.7	20235.5	30052.1
3680.5	62.5°	3896.7	4267.9	4289.8	4403.0	4516.5	5439.5	6362.5	12159.8	17957.0	28335.8
3536.3	65°	3766.0	4049.0	4046.3	4099.8	4153.4	4584.2	5015.1	10212.1	15409.4	25907.4
3341.6	67.5°	3532.9	3691.9	3699.3	3669.7	3639.7	3762.3	3884.6	8304.1	12723.6	23017.6
3101.1	70°	3237.2	3289.4	3289.4	3150.9	3012.1	2977.5	2942.4	6538.3	10134.2	19864.3
2814.4	72.5°	2907.7	2907.0	2874.0	2677.7	2480.9	2375.2	2269.7	4998.6	7727.4	16445.9
2462.1	75°	2533.8	2546.6	2394.4	2174.1	1953.8	1858.1	1762.4	3627.9	5493.4	12527.3
2101.6	77.5°	2159.2	2166.0	1915.0	1701.1	1487.2	1421.9	1356.8	2458.4	3559.9	8768.0
1683.9	80°	1732.1	1733.1	1433.3	1252.4	1071.2	1044.2	1017.3	1583.9	2150.8	5649.0
1250.4	82.5°	1274.0	1259.8	1003.8	870.4	737.0	731.6	726.9	974.2	1222.1	3269.5
813.5	85°	838.8	820.2	629.9	532.2	434.5	437.2	439.6	520.8	602.3	1470.7
360.4	87.5°	370.5	347.0	267.8	227.7	188.0	190.3	192.7	215.9	239.2	481.7
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°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
9440.3	2.5°	9476.0	9512.1	9562.9	9613.8	9644.1	9674.4	9689.6	9704.8	9698.0	9704.8
10151.1	5°	10276.1	10401.4	10525.3	10649.6	10717.0	10784.4	10825.1	10866.2	10897.2	10866.2
10865.2	7.5°	11068.7	11271.8	11454.7	11637.6	11747.8	11857.9	11917.6	11976.8	12005.5	11976.8
11412.6	10°	11653.1	11893.6	12108.2	12322.8	12452.8	12582.2	12640.1	12697.7	12719.6	12697.7
11747.8	12.5°	12008.5	12268.9	12462.9	12656.3	12750.6	12844.9	12876.6	12908.2	12911.6	12908.2
11951.6	15°	12176.6	12401.3	12522.9	12644.8	12648.2	12651.6	12617.9	12584.2	12544.4	12584.2
12066.1	17.5°	12218.0	12369.9	12372.3	12374.3	12237.9	12101.5	11976.5	11851.2	11762.9	11851.2
12192.4	20°	12245.3	12298.5	12138.5	11978.5	11677.4	11376.2	11156.9	10937.6	10802.9	10937.6
12339.0	22.5°	12269.6	12200.2	11868.7	11537.2	11094.3	10651.3	10377.1	10102.9	9954.0	10102.9
12527.6	25°	12308.6	12089.7	11586.4	11083.2	10545.2	10007.3	9718.9	9431.2	9290.4	9431.2
12783.6	27.5°	12392.2	12000.4	11333.8	10667.5	10071.3	9475.0	9191.4	8908.1	8775.0	8908.1
13128.9	30°	12545.1	11961.7	11141.1	10320.5	9699.4	9078.2	8815.1	8552.0	8428.1	8552.0
13536.5	32.5°	12737.1	11938.1	11009.7	10081.4	9497.6	8913.8	8707.3	8500.5	8411.2	8500.5
14031.6	35°	13053.4	12075.5	11108.1	10141.0	9735.4	9330.2	9282.0	9233.8	9226.4	9233.8
14865.4	37.5°	13714.7	12564.0	11684.8	10805.6	10779.3	10753.0	10973.4	11193.7	11308.2	11193.7
16125.2	40°	14873.8	13622.4	12968.5	12314.7	12776.2	13237.7	13773.3	14308.9	14575.7	14308.9
17796.0	42.5°	16554.3	15312.7	14936.1	14559.5	15566.0	16572.5	17546.7	18520.9	19092.9	18520.9
19859.2	45°	18743.9	17628.2	17462.2	17295.8	18908.3	20521.1	22121.9	23722.9	24694.8	23722.9
22439.5	47.5°	21354.5	20269.2	20235.5	20201.8	22528.1	24853.8	27197.2	29540.4	30916.4	29540.4
25821.5	50°	24481.2	23141.2	23146.9	23152.6	26150.6	29148.6	32242.0	35335.3	37205.5	35335.3
29703.8	52.5°	28080.8	26458.2	26294.1	26129.8	29710.8	33291.9	37119.3	40946.3	43188.0	40946.3
33837.0	55°	32233.5	30630.1	29990.4	29350.8	33336.4	37321.7	41884.4	46447.1	49113.3	46447.1
37596.3	57.5°	36723.1	35849.7	34566.6	33283.9	37308.3	41332.6	46500.7	51668.3	54974.6	51668.3
39868.3	60°	41224.5	42581.0	40987.7	39394.4	43202.9	47011.3	52544.5	58077.7	61651.0	58077.7
38714.6	62.5°	42420.3	46126.1	45946.5	45766.7	49255.4	52744.6	58008.9	63272.9	66575.8	63272.9
36405.5	65°	39883.5	43361.5	44049.7	44737.6	49171.2	53605.2	58709.9	63814.3	66626.3	63814.3
33311.5	67.5°	36619.4	39927.3	40250.0	40572.4	45192.0	49811.3	54937.8	60064.4	62267.4	60064.4
29594.3	70°	33192.2	36790.5	36934.7	37079.2	41210.4	45341.2	49753.0	54164.4	55388.9	54164.4
25164.7	72.5°	29293.5	33422.6	33526.4	33629.8	36861.9	40094.0	43398.2	46702.1	46826.1	46702.1
19561.1	75°	23834.4	28107.8	28491.4	28875.1	31389.7	33904.3	36230.3	38556.3	37933.1	38556.3
13976.1	77.5°	17965.1	21954.5	22503.5	23052.6	24964.2	26875.9	28525.5	30175.4	29104.2	30175.4
9147.3	80°	12503.3	15859.1	16541.5	17224.0	18667.8	20110.9	20977.2	21843.3	20120.3	21843.3
5317.2	82.5°	7611.6	9906.2	10668.5	11431.1	12424.9	13418.6	13780.0	14141.1	12787.0	14141.1
2339.5	85°	3557.2	4774.9	5423.3	6071.8	6888.3	7704.5	7909.7	8114.8	7030.1	8114.8
724.2	87.5°	1133.5	1542.8	1904.6	2266.4	2674.6	3082.9	3100.4	3117.6	2617.4	3117.6
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°
8778.4	0°	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4	8778.4
9689.6	2.5°	9674.4	9644.1	9613.8	9562.9	9512.1	9476.0	9440.3
10825.1	5°	10784.4	10717.0	10649.6	10525.3	10401.4	10276.1	10151.1
11917.6	7.5°	11857.9	11747.8	11637.6	11454.7	11271.8	11068.7	10865.2
12640.1	10°	12582.2	12452.8	12322.8	12108.2	11893.6	11653.1	11412.6
12876.6	12.5°	12844.9	12750.6	12656.3	12462.9	12268.9	12008.5	11747.8
12617.9	15°	12651.6	12648.2	12644.8	12522.9	12401.3	12176.6	11951.6
11976.5	17.5°	12101.5	12237.9	12374.3	12372.3	12369.9	12218.0	12066.1
11156.9	20°	11376.2	11677.4	11978.5	12138.5	12298.5	12245.3	12192.4
10377.1	22.5°	10651.3	11094.3	11537.2	11868.7	12200.2	12269.6	12339.0
9718.9	25°	10007.3	10545.2	11083.2	11586.4	12089.7	12308.6	12527.6
9191.4	27.5°	9475.0	10071.3	10667.5	11333.8	12000.4	12392.2	12783.6
8815.1	30°	9078.2	9699.4	10320.5	11141.1	11961.7	12545.1	13128.9
8707.3	32.5°	8913.8	9497.6	10081.4	11009.7	11938.1	12737.1	13536.5
9282.0	35°	9330.2	9735.4	10141.0	11108.1	12075.5	13053.4	14031.6
10973.4	37.5°	10753.0	10779.3	10805.6	11684.8	12564.0	13714.7	14865.4
13773.3	40°	13237.7	12776.2	12314.7	12968.5	13622.4	14873.8	16125.2
17546.7	42.5°	16572.5	15566.0	14559.5	14936.1	15312.7	16554.3	17796.0
22121.9	45°	20521.1	18908.3	17295.8	17462.2	17628.2	18743.9	19859.2
27197.2	47.5°	24853.8	22528.1	20201.8	20235.5	20269.2	21354.5	22439.5
32242.0	50°	29148.6	26150.6	23152.6	23146.9	23141.2	24481.2	25821.5
37119.3	52.5°	33291.9	29710.8	26129.8	26294.1	26458.2	28080.8	29703.8
41884.4	55°	37321.7	33336.4	29350.8	29990.4	30630.1	32233.5	33837.0
46500.7	57.5°	41332.6	37308.3	33283.9	34566.6	35849.7	36723.1	37596.3
52544.5	60°	47011.3	43202.9	39394.4	40987.7	42581.0	41224.5	39868.3
58008.9	62.5°	52744.6	49255.4	45766.7	45946.5	46126.1	42420.3	38714.6
58709.9	65°	53605.2	49171.2	44737.6	44049.7	43361.5	39883.5	36405.5
54937.8	67.5°	49811.3	45192.0	40572.4	40250.0	39927.3	36619.4	33311.5
49753.0	70°	45341.2	41210.4	37079.2	36934.7	36790.5	33192.2	29594.3
43398.2	72.5°	40094.0	36861.9	33629.8	33526.4	33422.6	29293.5	25164.7
36230.3	75°	33904.3	31389.7	28875.1	28491.4	28107.8	23834.4	19561.1
28525.5	77.5°	26875.9	24964.2	23052.6	22503.5	21954.5	17965.1	13976.1
20977.2	80°	20110.9	18667.8	17224.0	16541.5	15859.1	12503.3	9147.3
13780.0	82.5°	13418.6	12424.9	11431.1	10668.5	9906.2	7611.6	5317.2
7909.7	85°	7704.5	6888.3	6071.8	5423.3	4774.9	3557.2	2339.5
3100.4	87.5°	3082.9	2674.6	2266.4	1904.6	1542.8	1133.5	724.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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