

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: P957673

Luminaire Tested: **GALN-SB9D-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957673
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-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64247 lumens
Efficiency: N/A
Efficacy: 97.6 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

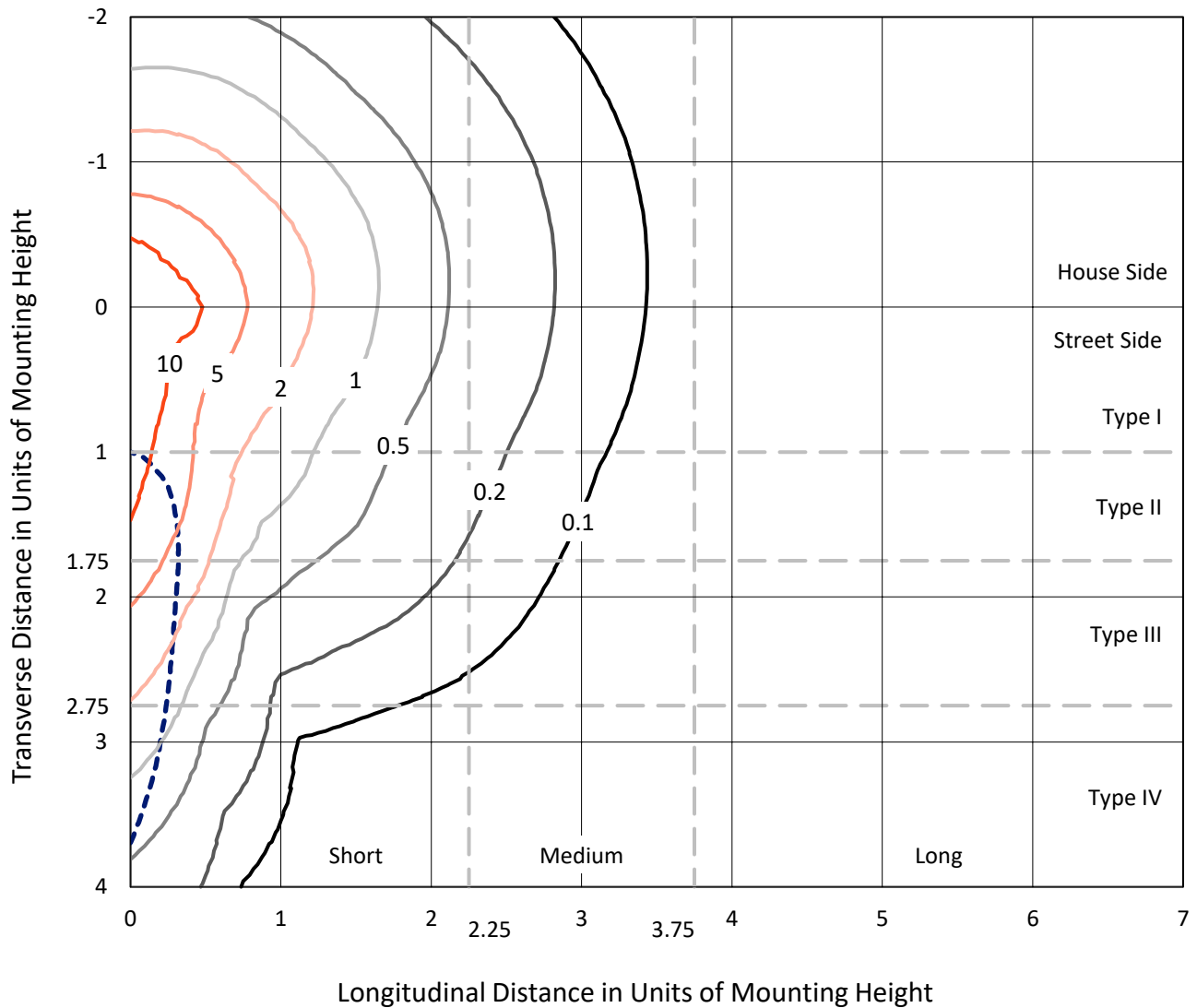
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

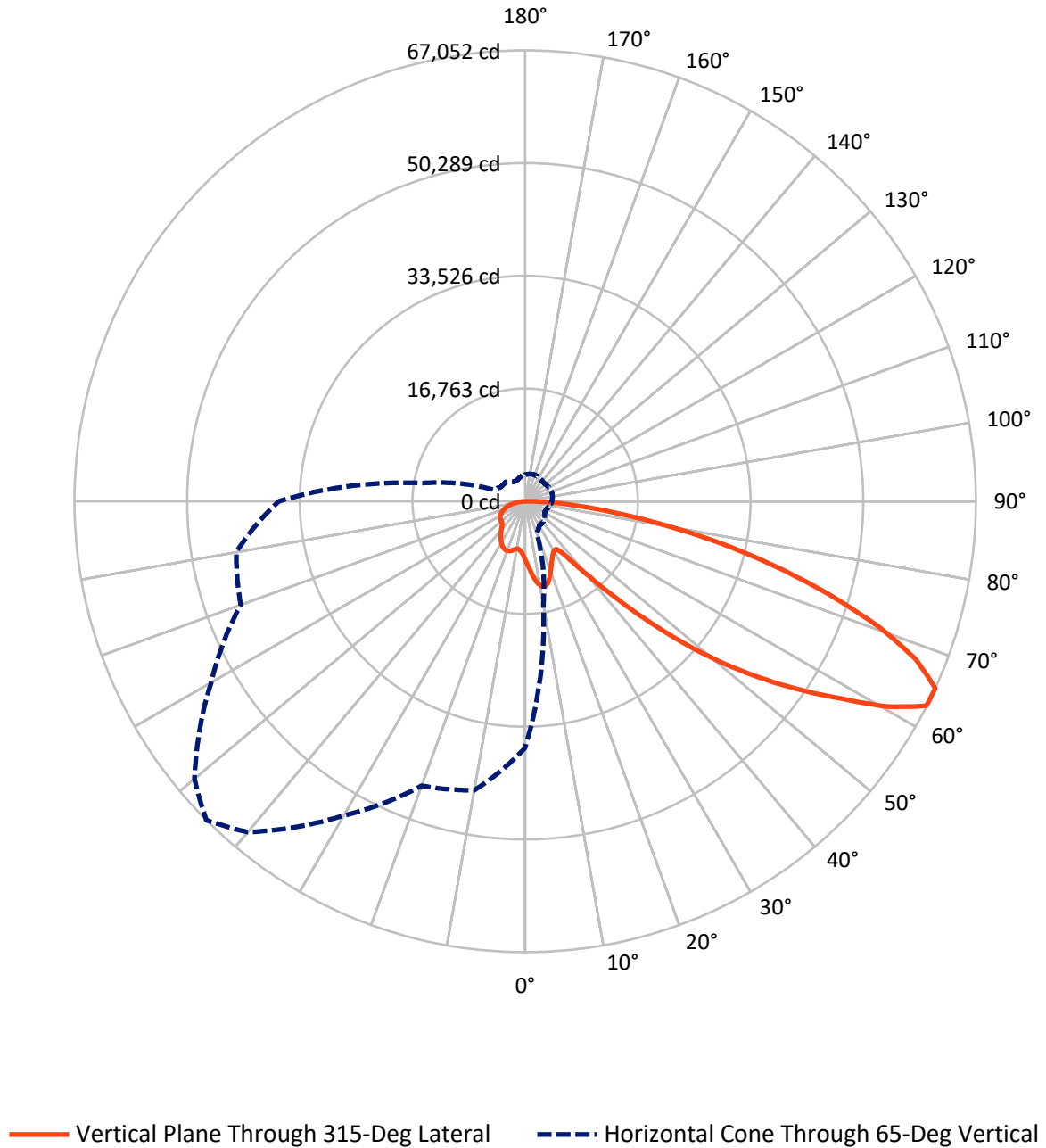
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 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	16328.3	0.0	16328.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	47918.6	0.0	47918.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	64247.0	0.0	64247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.4	1.4
10°-20°	2751.1	4.3
20°-30°	4249.5	6.6
30°-40°	5385.2	8.4
40°-50°	8122.3	12.6
50°-60°	13122.8	20.4
60°-70°	16359.6	25.5
70°-80°	10727.8	16.7
80°-90°	2652.2	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°	64247.0	100.0
0°-180°	64247.0	100.0

Coefficient of Utilization



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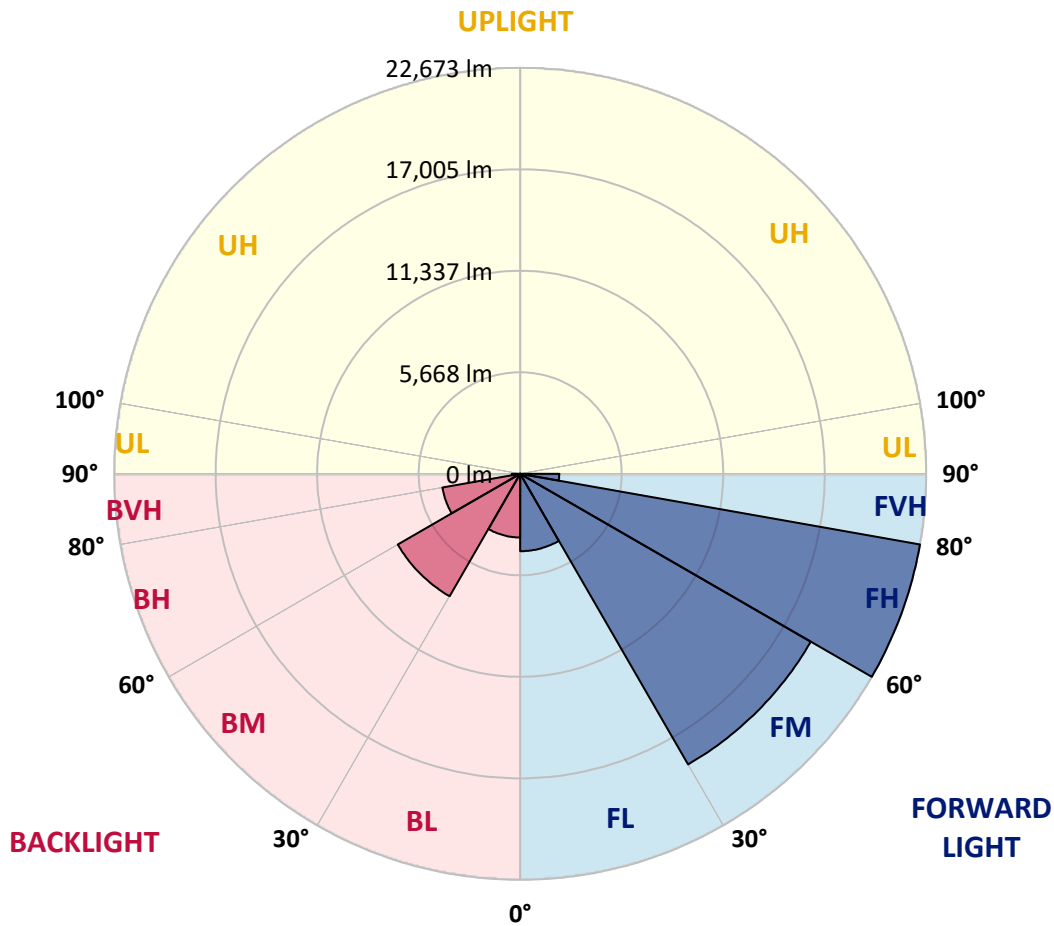
CATALOG NUMBER: GALN-SB9D-950-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4321.3	6.7			
FM (30°-60°)	18739.5	29.2			
FH (60°-80°)	22673.0	35.3			G5
FVH (80°-90°)	2184.8	3.4			G5
BL (0°-30°)	3555.7	5.5	B4/5000		
BM (30°-60°)	7890.9	12.3	B4/8500		
BH (60°-80°)	4414.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	467.4	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°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
2.5°	9500.7	9427.8	9354.9	9277.3	9200.0	9122.0	9044.0	8969.4	8894.9	8822.7
5°	10216.0	10054.9	9893.9	9733.2	9572.9	9411.2	9249.8	9098.9	8948.1	8805.7
7.5°	10934.7	10668.9	10403.4	10158.0	9912.6	9673.6	9434.6	9224.0	9013.5	8819.3
10°	11485.5	11149.6	10813.6	10489.2	10165.1	9874.9	9584.4	9335.6	9086.1	8846.4
12.5°	11822.9	11453.7	11084.8	10717.4	10349.9	10007.5	9665.1	9383.4	9101.7	8849.8
15°	12028.0	11643.2	11258.4	10859.7	10461.1	10066.8	9672.5	9346.4	9020.3	8741.3
17.5°	12143.2	11753.0	11362.8	10927.9	10492.9	10035.3	9577.6	9185.4	8793.2	8465.0
20°	12270.3	11864.9	11459.1	10981.1	10503.1	9948.5	9393.9	8907.7	8421.6	8039.5
22.5°	12417.8	12003.6	11588.9	11053.0	10516.7	9842.0	9167.4	8582.0	7996.5	7561.5
25°	12607.7	12201.5	11795.7	11183.2	10570.2	9737.0	8904.0	8218.2	7532.7	7086.9
27.5°	12865.3	12478.2	12090.7	11386.6	10682.1	9666.8	8651.5	7885.6	7119.8	6714.0
30°	13212.8	12838.5	12464.6	11650.0	10835.3	9633.9	8431.8	7607.7	6783.5	6442.8
32.5°	13623.0	13252.5	12882.3	11924.9	10967.5	9593.2	8218.2	7368.0	6517.4	6242.8
35°	14121.3	13766.7	13411.8	12238.1	11064.5	9516.6	7969.4	7132.4	6295.4	6066.5
37.5°	14960.4	14508.1	14055.9	12589.0	11122.1	9385.4	7648.7	6855.1	6061.4	5861.4
40°	16228.3	15569.2	14910.2	13034.5	11158.4	9204.7	7251.4	6524.2	5797.0	5615.6
42.5°	17909.7	16958.5	16007.2	13617.2	11227.2	9018.3	6810.0	6159.1	5508.2	5341.1
45°	19986.1	18703.0	17419.9	14384.1	11348.3	8845.0	6342.1	5771.3	5200.4	5030.9
47.5°	22582.9	20777.0	18970.8	15201.1	11431.3	8702.0	5972.6	5464.4	4956.3	4737.6
50°	25986.6	23264.0	20541.1	15959.1	11377.1	8546.0	5715.0	5260.7	4806.4	4519.0
52.5°	29893.6	25876.4	21859.2	16451.3	11043.1	8282.6	5522.4	5126.5	4730.8	4400.3
55°	34053.2	28192.5	22332.1	16342.8	10353.3	7846.0	5338.7	5029.2	4719.7	4412.2
57.5°	37836.5	29833.9	21831.4	15579.4	9327.8	7230.3	5132.6	4913.9	4695.2	4424.0
60°	40123.1	30244.1	20364.8	14158.6	7952.4	6431.0	4909.5	4737.6	4565.7	4386.7
62.5°	38962.0	28516.9	18071.8	12237.5	6403.2	5474.3	4545.4	4431.2	4317.3	4295.2
65°	36638.2	26073.0	15507.9	10277.3	5047.1	4613.5	4180.0	4126.1	4072.1	4074.9
67.5°	33524.4	23164.7	12805.0	8357.2	3909.4	3786.4	3663.0	3693.1	3723.0	3715.5
70°	29783.4	19991.2	10199.0	6580.1	2961.2	2996.5	3031.4	3171.1	3310.4	3310.4
72.5°	25325.5	16551.0	7776.8	5030.5	2284.2	2390.3	2496.8	2694.8	2892.4	2925.6
75°	19686.1	12607.3	5528.5	3651.1	1773.7	1870.0	1966.2	2187.9	2409.7	2562.9
77.5°	14065.4	8824.0	3582.6	2474.1	1365.5	1430.9	1496.7	1712.0	1927.3	2179.8
80°	9205.7	5685.1	2164.6	1594.0	1023.8	1050.9	1078.0	1260.4	1442.5	1744.2
82.5°	5351.2	3290.4	1229.9	980.4	731.6	736.3	741.7	876.0	1010.2	1267.9
85°	2354.4	1480.1	606.1	524.1	442.4	440.0	437.3	535.6	633.9	825.5
87.5°	728.9	484.8	240.7	217.3	193.9	191.5	189.2	229.2	269.5	349.2
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8742.3	2.5°	8677.2	8612.5	8553.8	8495.5	8444.3	8393.1	8341.6	8290.4	8250.7	8210.7
8665.0	5°	8542.3	8419.2	8316.2	8213.5	8122.6	8031.7	7949.4	7866.7	7803.3	7739.5
8637.2	7.5°	8473.8	8310.8	8175.1	8039.5	7925.3	7810.7	7709.7	7609.0	7533.4	7458.1
8650.8	10°	8478.6	8306.3	8170.7	8035.1	7912.1	7788.7	7675.1	7561.5	7471.4	7380.9
8667.7	12.5°	8526.7	8386.3	8296.2	8206.7	8109.7	8013.4	7895.8	7778.5	7663.2	7548.0
8595.5	15°	8528.1	8460.9	8473.1	8485.3	8460.3	8435.2	8333.1	8231.1	8067.0	7902.9
8375.2	17.5°	8399.9	8424.3	8572.1	8719.9	8798.6	8876.9	8794.5	8712.5	8495.2	8277.9
8015.8	20°	8131.1	8246.3	8503.0	8759.9	8924.4	9088.8	9050.8	9012.5	8764.0	8515.8
7608.0	22.5°	7778.5	7949.0	8241.9	8535.5	8749.4	8963.3	8986.4	9009.1	8771.8	8534.5
7212.4	25°	7409.0	7605.6	7869.0	8132.8	8343.3	8553.8	8632.5	8710.8	8516.2	8321.9
6866.6	27.5°	7056.4	7246.3	7462.9	7679.2	7848.0	8016.8	8104.3	8192.1	8053.4	7915.1
6562.5	30°	6713.0	6864.2	7043.9	7223.6	7363.6	7503.9	7575.1	7646.3	7540.9	7435.1
6296.0	32.5°	6385.2	6474.4	6617.8	6761.5	6895.7	7030.3	7109.3	7188.6	7091.7	6994.4
6044.5	35°	6068.9	6093.6	6203.1	6312.3	6445.2	6578.4	6673.3	6768.3	6699.1	6630.3
5780.7	37.5°	5753.6	5726.5	5805.2	5883.5	6016.0	6148.9	6266.2	6383.5	6351.6	6319.8
5491.9	40°	5430.5	5369.2	5425.8	5482.4	5610.6	5738.7	5873.6	6008.9	6016.7	6024.1
5185.1	42.5°	5103.7	5022.4	5068.5	5114.9	5236.3	5358.0	5503.8	5649.5	5688.5	5727.5
4880.0	45°	4800.7	4721.7	4760.3	4799.7	4914.9	5030.2	5181.4	5332.6	5388.5	5444.4
4607.8	47.5°	4541.3	4474.9	4511.5	4547.8	4660.7	4773.2	4922.4	5071.5	5136.0	5200.4
4368.1	50°	4309.1	4250.5	4307.4	4364.7	4471.2	4577.3	4710.8	4844.4	4927.1	5009.8
4189.4	52.5°	4131.1	4073.2	4158.9	4244.4	4342.0	4439.3	4563.7	4688.5	4786.4	4884.4
4094.5	55°	4002.3	3910.4	4032.1	4153.5	4258.6	4363.7	4472.9	4581.7	4685.4	4789.5
4037.6	57.5°	3903.3	3769.1	3899.9	4030.8	4154.2	4277.6	4385.4	4493.5	4598.3	4702.7
3984.0	60°	3810.1	3635.8	3750.8	3865.4	4007.1	4148.8	4258.3	4368.1	4473.2	4578.3
3921.6	62.5°	3704.0	3486.7	3559.6	3632.5	3797.6	3963.0	4079.9	4196.9	4293.2	4389.5
3790.1	65°	3558.9	3327.4	3355.5	3383.3	3560.2	3737.5	3849.4	3961.3	4046.0	4130.8
3555.5	67.5°	3362.9	3170.4	3161.6	3152.8	3316.2	3479.9	3586.0	3691.8	3765.0	3838.2
3257.9	70°	3120.9	2983.9	2953.4	2922.9	3066.7	3210.4	3301.9	3393.5	3459.6	3525.7
2926.3	72.5°	2832.4	2738.5	2693.7	2649.3	2762.6	2875.5	2958.2	3040.9	3105.6	3170.4
2550.0	75°	2477.8	2405.3	2362.5	2319.5	2403.6	2487.6	2562.6	2637.5	2696.5	2755.4
2173.0	77.5°	2115.1	2057.1	2013.7	1970.3	2038.8	2106.9	2171.3	2235.7	2297.8	2359.5
1743.2	80°	1694.7	1645.9	1609.6	1573.0	1629.9	1686.6	1740.8	1795.0	1842.2	1888.9
1282.1	82.5°	1258.4	1234.7	1208.9	1183.1	1178.4	1173.6	1154.7	1135.7	1123.6	1136.4
844.1	85°	818.7	793.3	764.5	735.6	711.2	686.5	633.9	581.4	675.3	769.5
372.9	87.5°	362.7	352.6	347.1	341.7	340.7	339.7	299.7	259.3	298.7	338.3
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8178.5	2.5°	8146.3	8121.2	8096.2	8073.1	8049.7	8020.9	8049.7	8073.1	8096.2	8121.2
7695.1	5°	7650.7	7619.2	7587.6	7563.6	7539.5	7515.8	7539.5	7563.6	7587.6	7619.2
7405.3	7.5°	7352.4	7316.1	7280.2	7258.5	7237.1	7220.8	7237.1	7258.5	7280.2	7316.1
7321.9	10°	7262.2	7228.0	7193.7	7175.4	7157.1	7149.7	7157.1	7175.4	7193.7	7228.0
7471.7	12.5°	7395.4	7357.1	7319.2	7303.6	7288.0	7285.3	7288.0	7303.6	7319.2	7357.1
7787.0	15°	7671.0	7617.8	7564.9	7544.6	7524.3	7522.6	7524.3	7544.6	7564.9	7617.8
8107.0	17.5°	7936.1	7857.5	7778.5	7752.7	7726.6	7722.6	7726.6	7752.7	7778.5	7857.5
8306.3	20°	8097.2	7996.5	7895.5	7863.3	7831.1	7820.9	7831.1	7863.3	7895.5	7996.5
8318.9	22.5°	8102.9	7996.8	7890.4	7854.8	7819.2	7803.9	7819.2	7854.8	7890.4	7996.8
8130.1	25°	7938.9	7846.7	7754.8	7721.2	7688.0	7668.3	7688.0	7721.2	7754.8	7846.7
7766.3	27.5°	7617.5	7555.8	7493.7	7478.5	7463.2	7458.1	7463.2	7478.5	7493.7	7555.8
7328.6	30°	7221.5	7190.0	7158.1	7158.1	7158.1	7163.2	7158.1	7158.1	7158.1	7190.0
6909.3	32.5°	6824.2	6803.5	6782.8	6785.6	6788.6	6793.7	6788.6	6785.6	6782.8	6803.5
6551.6	35°	6473.3	6441.8	6410.6	6403.8	6397.1	6393.7	6397.1	6403.8	6410.6	6441.8
6247.6	37.5°	6175.0	6117.7	6060.8	6030.6	6000.4	5983.5	6000.4	6030.6	6060.8	6117.7
5962.8	40°	5901.4	5818.0	5735.3	5679.0	5623.4	5590.2	5623.4	5679.0	5735.3	5818.0
5675.7	42.5°	5624.1	5520.7	5417.3	5335.6	5253.9	5200.4	5253.9	5335.6	5417.3	5520.7
5397.7	45°	5351.2	5232.9	5114.9	5019.0	4923.1	4861.4	4923.1	5019.0	5114.9	5232.9
5167.8	47.5°	5135.3	5030.2	4925.1	4836.3	4747.8	4688.5	4747.8	4836.3	4925.1	5030.2
5007.8	50°	5006.5	4922.4	4838.3	4756.3	4674.2	4617.3	4674.2	4756.3	4838.3	4922.4
4902.0	52.5°	4919.7	4851.2	4782.7	4709.1	4635.9	4583.4	4635.9	4709.1	4782.7	4851.2
4813.9	55°	4838.3	4778.6	4719.0	4654.6	4590.2	4542.7	4590.2	4654.6	4719.0	4778.6
4727.4	57.5°	4752.2	4691.9	4631.5	4567.8	4503.7	4454.5	4503.7	4567.8	4631.5	4691.9
4605.4	60°	4632.5	4573.5	4514.9	4449.1	4383.4	4332.5	4383.4	4449.1	4514.9	4573.5
4415.6	62.5°	4441.7	4388.4	4335.2	4266.1	4196.9	4135.9	4196.9	4266.1	4335.2	4388.4
4157.6	65°	4184.0	4132.8	4081.6	4014.5	3947.7	3895.2	3947.7	4014.5	4081.6	4132.8
3864.3	67.5°	3890.1	3843.0	3796.2	3733.8	3671.4	3624.0	3671.4	3733.8	3796.2	3843.0
3550.8	70°	3575.8	3537.5	3499.2	3439.6	3379.9	3325.7	3379.9	3439.6	3499.2	3537.5
3200.2	72.5°	3230.1	3198.2	3166.3	3109.4	3052.8	3000.2	3052.8	3109.4	3166.3	3198.2
2786.6	75°	2817.8	2802.2	2786.6	2738.8	2691.0	2640.9	2691.0	2738.8	2786.6	2802.2
2388.6	77.5°	2417.8	2396.1	2373.7	2325.6	2277.4	2237.4	2277.4	2325.6	2373.7	2396.1
1927.6	80°	1966.2	1956.7	1947.6	1882.8	1817.8	1742.5	1817.8	1882.8	1947.6	1956.7
1402.1	82.5°	1467.9	1463.8	1459.4	1404.8	1349.9	1301.8	1349.9	1404.8	1459.4	1463.8
850.9	85°	932.3	925.5	918.7	876.0	833.3	789.9	833.3	876.0	918.7	925.5
371.2	87.5°	404.1	396.0	387.1	365.4	343.1	322.1	343.1	365.4	387.1	396.0
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8146.3	2.5°	8178.5	8210.7	8250.7	8290.4	8341.6	8393.1	8444.3	8495.5	8553.8	8612.5
7650.7	5°	7695.1	7739.5	7803.3	7866.7	7949.4	8031.7	8122.6	8213.5	8316.2	8419.2
7352.4	7.5°	7405.3	7458.1	7533.4	7609.0	7709.7	7810.7	7925.3	8039.5	8175.1	8310.8
7262.2	10°	7321.9	7380.9	7471.4	7561.5	7675.1	7788.7	7912.1	8035.1	8170.7	8306.3
7395.4	12.5°	7471.7	7548.0	7663.2	7778.5	7895.8	8013.4	8109.7	8206.7	8296.2	8386.3
7671.0	15°	7787.0	7902.9	8067.0	8231.1	8333.1	8435.2	8460.3	8485.3	8473.1	8460.9
7936.1	17.5°	8107.0	8277.9	8495.2	8712.5	8794.5	8876.9	8798.6	8719.9	8572.1	8424.3
8097.2	20°	8306.3	8515.8	8764.0	9012.5	9050.8	9088.8	8924.4	8759.9	8503.0	8246.3
8102.9	22.5°	8318.9	8534.5	8771.8	9009.1	8986.4	8963.3	8749.4	8535.5	8241.9	7949.0
7938.9	25°	8130.1	8321.9	8516.2	8710.8	8632.5	8553.8	8343.3	8132.8	7869.0	7605.6
7617.5	27.5°	7766.3	7915.1	8053.4	8192.1	8104.3	8016.8	7848.0	7679.2	7462.9	7246.3
7221.5	30°	7328.6	7435.1	7540.9	7646.3	7575.1	7503.9	7363.6	7223.6	7043.9	6864.2
6824.2	32.5°	6909.3	6994.4	7091.7	7188.6	7109.3	7030.3	6895.7	6761.5	6617.8	6474.4
6473.3	35°	6551.6	6630.3	6699.1	6768.3	6673.3	6578.4	6445.2	6312.3	6203.1	6093.6
6175.0	37.5°	6247.6	6319.8	6351.6	6383.5	6266.2	6148.9	6016.0	5883.5	5805.2	5726.5
5901.4	40°	5962.8	6024.1	6016.7	6008.9	5873.6	5738.7	5610.6	5482.4	5425.8	5369.2
5624.1	42.5°	5675.7	5727.5	5688.5	5649.5	5503.8	5358.0	5236.3	5114.9	5068.5	5022.4
5351.2	45°	5397.7	5444.4	5388.5	5332.6	5181.4	5030.2	4914.9	4799.7	4760.3	4721.7
5135.3	47.5°	5167.8	5200.4	5136.0	5071.5	4922.4	4773.2	4660.7	4547.8	4511.5	4474.9
5006.5	50°	5007.8	5009.8	4927.1	4844.4	4710.8	4577.3	4471.2	4364.7	4307.4	4250.5
4919.7	52.5°	4902.0	4884.4	4786.4	4688.5	4563.7	4439.3	4342.0	4244.4	4158.9	4073.2
4838.3	55°	4813.9	4789.5	4685.4	4581.7	4472.9	4363.7	4258.6	4153.5	4032.1	3910.4
4752.2	57.5°	4727.4	4702.7	4598.3	4493.5	4385.4	4277.6	4154.2	4030.8	3899.9	3769.1
4632.5	60°	4605.4	4578.3	4473.2	4368.1	4258.3	4148.8	4007.1	3865.4	3750.8	3635.8
4441.7	62.5°	4415.6	4389.5	4293.2	4196.9	4079.9	3963.0	3797.6	3632.5	3559.6	3486.7
4184.0	65°	4157.6	4130.8	4046.0	3961.3	3849.4	3737.5	3560.2	3383.3	3355.5	3327.4
3890.1	67.5°	3864.3	3838.2	3765.0	3691.8	3586.0	3479.9	3316.2	3152.8	3161.6	3170.4
3575.8	70°	3550.8	3525.7	3459.6	3393.5	3301.9	3210.4	3066.7	2922.9	2953.4	2983.9
3230.1	72.5°	3200.2	3170.4	3105.6	3040.9	2958.2	2875.5	2762.6	2649.3	2693.7	2738.5
2817.8	75°	2786.6	2755.4	2696.5	2637.5	2562.6	2487.6	2403.6	2319.5	2362.5	2405.3
2417.8	77.5°	2388.6	2359.5	2297.8	2235.7	2171.3	2106.9	2038.8	1970.3	2013.7	2057.1
1966.2	80°	1927.6	1888.9	1842.2	1795.0	1740.8	1686.6	1629.9	1573.0	1609.6	1645.9
1467.9	82.5°	1402.1	1336.4	1236.0	1135.7	1154.7	1173.6	1178.4	1183.1	1208.9	1234.7
932.3	85°	850.9	769.5	675.3	581.4	633.9	686.5	711.2	735.6	764.5	793.3
404.1	87.5°	371.2	338.3	298.7	259.3	299.7	339.7	340.7	341.7	347.1	352.6
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8677.2	2.5°	8742.3	8822.7	8894.9	8969.4	9044.0	9122.0	9200.0	9277.3	9354.9	9427.8
8542.3	5°	8665.0	8805.7	8948.1	9098.9	9249.8	9411.2	9572.9	9733.2	9893.9	10054.9
8473.8	7.5°	8637.2	8819.3	9013.5	9224.0	9434.6	9673.6	9912.6	10158.0	10403.4	10668.9
8478.6	10°	8650.8	8846.4	9086.1	9335.6	9584.4	9874.9	10165.1	10489.2	10813.6	11149.6
8526.7	12.5°	8667.7	8849.8	9101.7	9383.4	9665.1	10007.5	10349.9	10717.4	11084.8	11453.7
8528.1	15°	8595.5	8741.3	9020.3	9346.4	9672.5	10066.8	10461.1	10859.7	11258.4	11643.2
8399.9	17.5°	8375.2	8465.0	8793.2	9185.4	9577.6	10035.3	10492.9	10927.9	11362.8	11753.0
8131.1	20°	8015.8	8039.5	8421.6	8907.7	9393.9	9948.5	10503.1	10981.1	11459.1	11864.9
7778.5	22.5°	7608.0	7561.5	7996.5	8582.0	9167.4	9842.0	10516.7	11053.0	11588.9	12003.6
7409.0	25°	7212.4	7086.9	7532.7	8218.2	8904.0	9737.0	10570.2	11183.2	11795.7	12201.5
7056.4	27.5°	6866.6	6714.0	7119.8	7885.6	8651.5	9666.8	10682.1	11386.6	12090.7	12478.2
6713.0	30°	6562.5	6442.8	6783.5	7607.7	8431.8	9633.9	10835.3	11650.0	12464.6	12838.5
6385.2	32.5°	6296.0	6242.8	6517.4	7368.0	8218.2	9593.2	10967.5	11924.9	12882.3	13252.5
6068.9	35°	6044.5	6066.5	6295.4	7132.4	7969.4	9516.6	11064.5	12238.1	13411.8	13766.7
5753.6	37.5°	5780.7	5861.4	6061.4	6855.1	7648.7	9385.4	11122.1	12589.0	14055.9	14508.1
5430.5	40°	5491.9	5615.6	5797.0	6524.2	7251.4	9204.7	11158.4	13034.5	14910.2	15569.2
5103.7	42.5°	5185.1	5341.1	5508.2	6159.1	6810.0	9018.3	11227.2	13617.2	16007.2	16958.5
4800.7	45°	4880.0	5030.9	5200.4	5771.3	6342.1	8845.0	11348.3	14384.1	17419.9	18703.0
4541.3	47.5°	4607.8	4737.6	4956.3	5464.4	5972.6	8702.0	11431.3	15201.1	18970.8	20777.0
4309.1	50°	4368.1	4519.0	4806.4	5260.7	5715.0	8546.0	11377.1	15959.1	20541.1	23264.0
4131.1	52.5°	4189.4	4400.3	4730.8	5126.5	5522.4	8282.6	11043.1	16451.3	21859.2	25876.4
4002.3	55°	4094.5	4412.2	4719.7	5029.2	5338.7	7846.0	10353.3	16342.8	22332.1	28192.5
3903.3	57.5°	4037.6	4424.0	4695.2	4913.9	5132.6	7230.3	9327.8	15579.4	21831.4	29833.9
3810.1	60°	3984.0	4386.7	4565.7	4737.6	4909.5	6431.0	7952.4	14158.6	20364.8	30244.1
3704.0	62.5°	3921.6	4295.2	4317.3	4431.2	4545.4	5474.3	6403.2	12237.5	18071.8	28516.9
3558.9	65°	3790.1	4074.9	4072.1	4126.1	4180.0	4613.5	5047.1	10277.3	15507.9	26073.0
3362.9	67.5°	3555.5	3715.5	3723.0	3693.1	3663.0	3786.4	3909.4	8357.2	12805.0	23164.7
3120.9	70°	3257.9	3310.4	3310.4	3171.1	3031.4	2996.5	2961.2	6580.1	10199.0	19991.2
2832.4	72.5°	2926.3	2925.6	2892.4	2694.8	2496.8	2390.3	2284.2	5030.5	7776.8	16551.0
2477.8	75°	2550.0	2562.9	2409.7	2187.9	1966.2	1870.0	1773.7	3651.1	5528.5	12607.3
2115.1	77.5°	2173.0	2179.8	1927.3	1712.0	1496.7	1430.9	1365.5	2474.1	3582.6	8824.0
1694.7	80°	1743.2	1744.2	1442.5	1260.4	1078.0	1050.9	1023.8	1594.0	2164.6	5685.1
1258.4	82.5°	1282.1	1267.9	1010.2	876.0	741.7	736.3	731.6	980.4	1229.9	3290.4
818.7	85°	844.1	825.5	633.9	535.6	437.3	440.0	442.4	524.1	606.1	1480.1
362.7	87.5°	372.9	349.2	269.5	229.2	189.2	191.5	193.9	217.3	240.7	484.8
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
9500.7	2.5°	9536.6	9572.9	9624.1	9675.3	9705.8	9736.3	9751.5	9766.8	9760.0	9766.8
10216.0	5°	10341.7	10467.9	10592.6	10717.7	10785.5	10853.3	10894.3	10935.7	10966.9	10935.7
10934.7	7.5°	11139.4	11343.8	11527.9	11712.0	11822.9	11933.7	11993.7	12053.4	12082.2	12053.4
11485.5	10°	11727.6	11969.7	12185.6	12401.5	12532.4	12662.6	12720.9	12778.9	12800.9	12778.9
11822.9	12.5°	12085.3	12347.3	12542.6	12737.2	12832.1	12927.0	12958.9	12990.7	12994.1	12990.7
12028.0	15°	12254.4	12480.5	12602.9	12725.6	12729.0	12732.4	12698.5	12664.6	12624.6	12664.6
12143.2	17.5°	12296.1	12449.0	12451.4	12453.4	12316.1	12178.8	12053.0	11926.9	11838.1	11926.9
12270.3	20°	12323.6	12377.1	12216.1	12055.1	11752.0	11448.9	11228.2	11007.5	10871.9	11007.5
12417.8	22.5°	12348.0	12278.1	11944.6	11611.0	11165.2	10719.4	10443.4	10167.5	10017.6	10167.5
12607.7	25°	12387.3	12167.0	11660.5	11154.0	10612.6	10071.2	9781.0	9491.5	9349.8	9491.5
12865.3	27.5°	12471.4	12077.1	11406.2	10735.7	10135.6	9535.6	9250.1	8965.0	8831.1	8965.0
13212.8	30°	12625.3	12038.1	11212.3	10386.5	9761.4	9136.2	8871.5	8606.7	8481.9	8606.7
13623.0	32.5°	12818.5	12014.4	11080.1	10145.8	9558.3	8970.8	8763.0	8554.8	8465.0	8554.8
14121.3	35°	13136.9	12152.7	11179.1	10205.8	9797.6	9389.8	9341.3	9292.9	9285.4	9292.9
14960.4	37.5°	13802.3	12644.3	11759.5	10874.7	10848.2	10821.8	11043.5	11265.2	11380.5	11265.2
16228.3	40°	14968.8	13709.4	13051.4	12393.4	12857.8	13322.3	13861.3	14400.3	14668.8	14400.3
17909.7	42.5°	16660.1	15410.6	15031.6	14652.5	15665.5	16678.5	17658.9	18639.3	19214.9	18639.3
19986.1	45°	18863.7	17740.9	17573.8	17406.3	19029.1	20652.3	22263.3	23874.6	24852.6	23874.6
22582.9	47.5°	21491.0	20398.7	20364.8	20330.9	22672.1	25012.6	27371.1	29729.2	31114.0	29729.2
25986.6	50°	24637.7	23289.1	23294.8	23300.6	26317.8	29334.9	32448.0	35561.1	37443.3	35561.1
29893.6	52.5°	28260.3	26627.3	26462.2	26296.8	29900.7	33504.7	37356.5	41208.0	43464.1	41208.0
34053.2	55°	32439.6	30825.9	30182.1	29538.3	33549.5	37560.3	42152.1	46743.9	49427.2	46743.9
37836.5	57.5°	36957.8	36078.8	34787.5	33496.6	37546.7	41596.8	46797.8	51998.5	55325.9	51998.5
40123.1	60°	41488.0	42853.2	41249.7	39646.2	43479.0	47311.8	52880.3	58448.8	62045.0	58448.8
38962.0	62.5°	42691.5	46420.9	46240.2	46059.2	49570.2	53081.7	58379.7	63677.3	67001.3	63677.3
36638.2	65°	40138.4	43638.6	44331.2	45023.5	49485.5	53947.8	59085.1	64222.1	67052.1	64222.1
33524.4	67.5°	36853.4	40182.5	40507.2	40831.7	45480.8	50129.6	55288.9	60448.3	62665.4	60448.3
29783.4	70°	33404.4	37025.6	37170.7	37316.2	41473.7	45631.0	50071.0	54510.6	55742.9	54510.6
25325.5	72.5°	29480.7	33636.2	33740.7	33844.7	37097.5	40350.3	43675.6	47000.6	47125.3	47000.6
19686.1	75°	23986.8	28287.4	28673.5	29059.7	31590.3	34121.0	36461.9	38802.7	38175.5	38802.7
14065.4	77.5°	18079.9	22094.8	22647.3	23199.9	25123.8	27047.7	28707.8	30368.2	29290.2	30368.2
9205.7	80°	12583.3	15960.4	16647.3	17334.1	18787.1	20239.4	21111.3	21982.9	20248.9	21982.9
5351.2	82.5°	7660.2	9969.5	10736.7	11504.2	12504.3	13504.3	13868.1	14231.5	12868.7	14231.5
2354.4	85°	3579.9	4805.4	5458.0	6110.6	6932.3	7753.8	7960.2	8166.7	7075.1	8166.7
728.9	87.5°	1140.8	1552.7	1916.7	2280.8	2691.7	3102.6	3120.2	3137.5	2634.1	3137.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
9751.5	2.5°	9736.3	9705.8	9675.3	9624.1	9572.9	9536.6	9500.7
10894.3	5°	10853.3	10785.5	10717.7	10592.6	10467.9	10341.7	10216.0
11993.7	7.5°	11933.7	11822.9	11712.0	11527.9	11343.8	11139.4	10934.7
12720.9	10°	12662.6	12532.4	12401.5	12185.6	11969.7	11727.6	11485.5
12958.9	12.5°	12927.0	12832.1	12737.2	12542.6	12347.3	12085.3	11822.9
12698.5	15°	12732.4	12729.0	12725.6	12602.9	12480.5	12254.4	12028.0
12053.0	17.5°	12178.8	12316.1	12453.4	12451.4	12449.0	12296.1	12143.2
11228.2	20°	11448.9	11752.0	12055.1	12216.1	12377.1	12323.6	12270.3
10443.4	22.5°	10719.4	11165.2	11611.0	11944.6	12278.1	12348.0	12417.8
9781.0	25°	10071.2	10612.6	11154.0	11660.5	12167.0	12387.3	12607.7
9250.1	27.5°	9535.6	10135.6	10735.7	11406.2	12077.1	12471.4	12865.3
8871.5	30°	9136.2	9761.4	10386.5	11212.3	12038.1	12625.3	13212.8
8763.0	32.5°	8970.8	9558.3	10145.8	11080.1	12014.4	12818.5	13623.0
9341.3	35°	9389.8	9797.6	10205.8	11179.1	12152.7	13136.9	14121.3
11043.5	37.5°	10821.8	10848.2	10874.7	11759.5	12644.3	13802.3	14960.4
13861.3	40°	13322.3	12857.8	12393.4	13051.4	13709.4	14968.8	16228.3
17658.9	42.5°	16678.5	15665.5	14652.5	15031.6	15410.6	16660.1	17909.7
22263.3	45°	20652.3	19029.1	17406.3	17573.8	17740.9	18863.7	19986.1
27371.1	47.5°	25012.6	22672.1	20330.9	20364.8	20398.7	21491.0	22582.9
32448.0	50°	29334.9	26317.8	23300.6	23294.8	23289.1	24637.7	25986.6
37356.5	52.5°	33504.7	29900.7	26296.8	26462.2	26627.3	28260.3	29893.6
42152.1	55°	37560.3	33549.5	29538.3	30182.1	30825.9	32439.6	34053.2
46797.8	57.5°	41596.8	37546.7	33496.6	34787.5	36078.8	36957.8	37836.5
52880.3	60°	47311.8	43479.0	39646.2	41249.7	42853.2	41488.0	40123.1
58379.7	62.5°	53081.7	49570.2	46059.2	46240.2	46420.9	42691.5	38962.0
59085.1	65°	53947.8	49485.5	45023.5	44331.2	43638.6	40138.4	36638.2
55288.9	67.5°	50129.6	45480.8	40831.7	40507.2	40182.5	36853.4	33524.4
50071.0	70°	45631.0	41473.7	37316.2	37170.7	37025.6	33404.4	29783.4
43675.6	72.5°	40350.3	37097.5	33844.7	33740.7	33636.2	29480.7	25325.5
36461.9	75°	34121.0	31590.3	29059.7	28673.5	28287.4	23986.8	19686.1
28707.8	77.5°	27047.7	25123.8	23199.9	22647.3	22094.8	18079.9	14065.4
21111.3	80°	20239.4	18787.1	17334.1	16647.3	15960.4	12583.3	9205.7
13868.1	82.5°	13504.3	12504.3	11504.2	10736.7	9969.5	7660.2	5351.2
7960.2	85°	7753.8	6932.3	6110.6	5458.0	4805.4	3579.9	2354.4
3120.2	87.5°	3102.6	2691.7	2280.8	1916.7	1552.7	1140.8	728.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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