

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: P957587

Luminaire Tested: **GALN-SB9D-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957587
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-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56216 lumens
Efficiency: N/A
Efficacy: 85.4 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

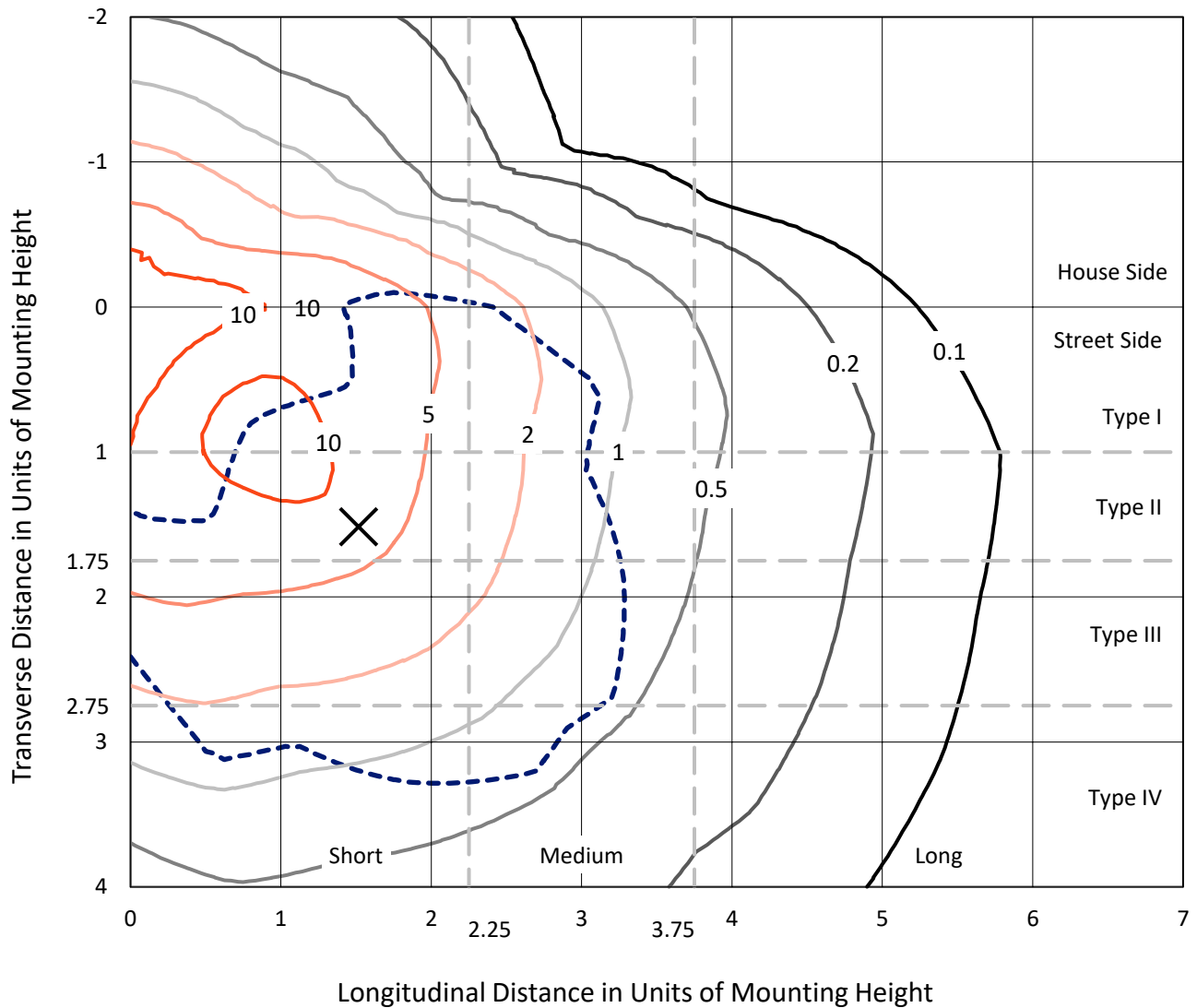
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

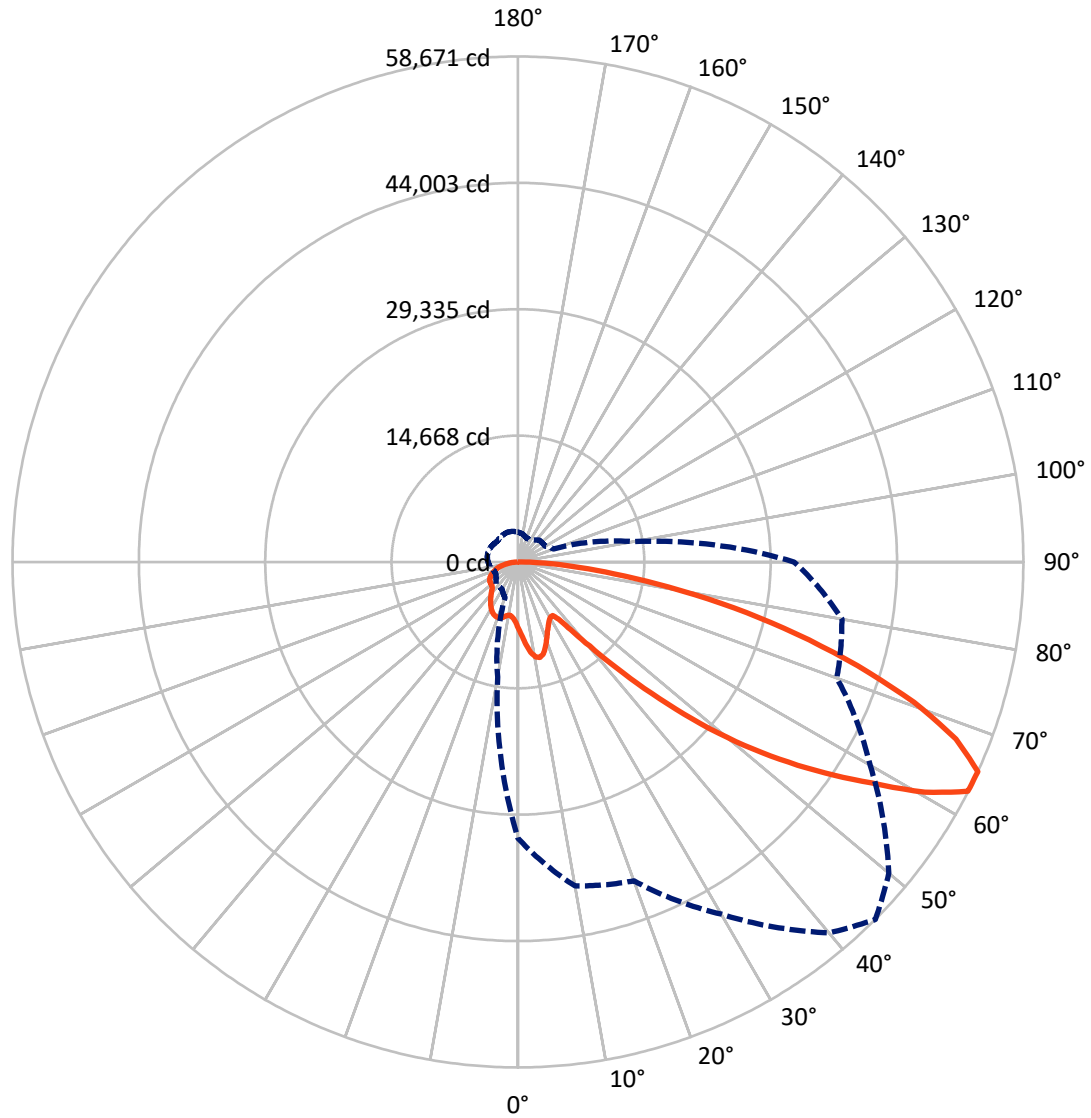
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14287.3	0.0	14287.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41928.7	0.0	41928.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	56216.0	0.0	56216.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.8	1.4
10°-20°	2407.2	4.3
20°-30°	3718.3	6.6
30°-40°	4712.1	8.4
40°-50°	7107.0	12.6
50°-60°	11482.4	20.4
60°-70°	14314.6	25.5
70°-80°	9386.8	16.7
80°-90°	2320.7	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°	56216.0	100.0
0°-180°	56216.0	100.0



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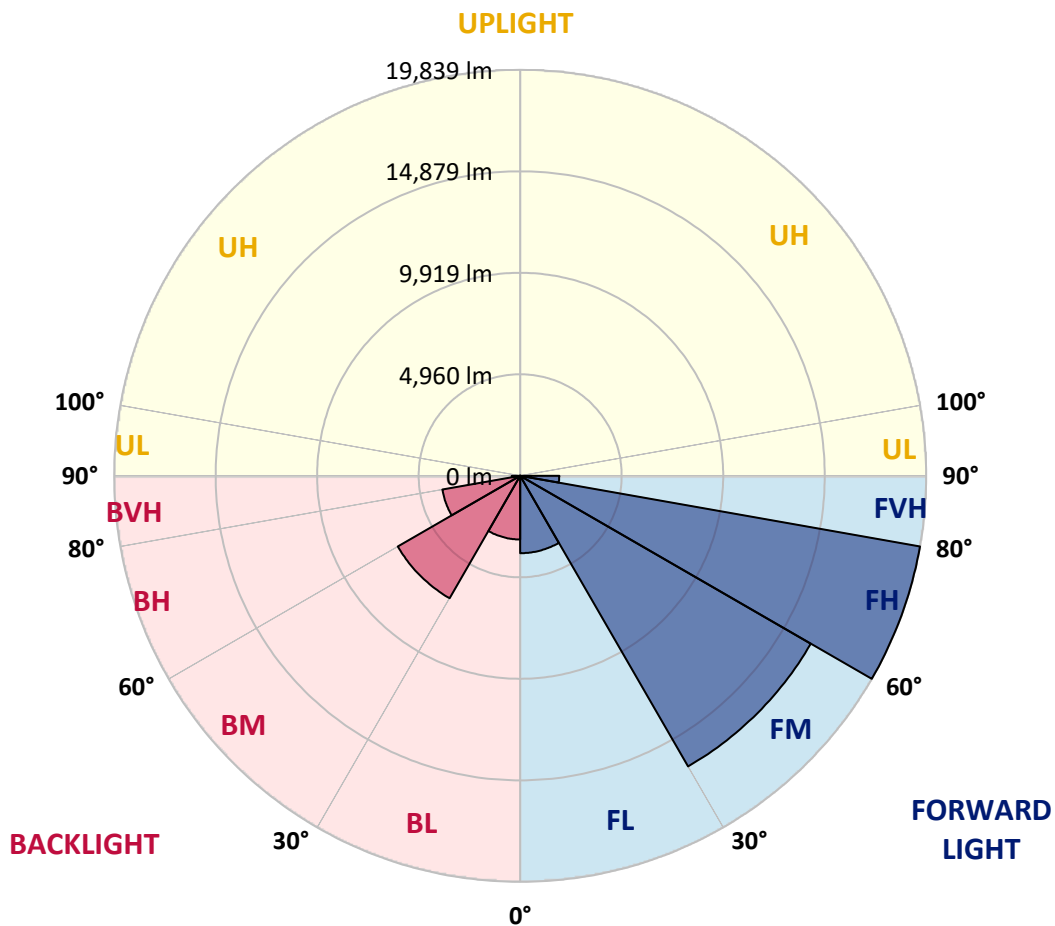
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3781.2	6.7			
FM (30°-60°)	16397.0	29.2			
FH (60°-80°)	19838.9	35.3			G5
FVH (80°-90°)	1911.7	3.4			G5
BL (0°-30°)	3111.2	5.5	B4/5000		
BM (30°-60°)	6904.5	12.3	B4/8500		
BH (60°-80°)	3862.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	408.9	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°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
2.5°	8313.1	8344.5	8376.2	8421.0	8465.8	8492.5	8519.2	8532.6	8545.9	8540.0
5°	8939.0	9049.0	9159.3	9268.5	9378.0	9437.3	9496.6	9532.5	9568.7	9596.0
7.5°	9567.8	9747.0	9925.8	10086.9	10248.0	10345.0	10442.0	10494.5	10546.7	10571.9
10°	10049.8	10261.6	10473.4	10662.4	10851.3	10965.8	11079.7	11130.8	11181.5	11200.8
12.5°	10345.0	10574.6	10803.9	10974.7	11145.0	11228.0	11311.1	11339.0	11366.9	11369.8
15°	10524.4	10722.6	10920.4	11027.5	11134.9	11137.9	11140.8	11111.2	11081.5	11046.5
17.5°	10625.3	10759.1	10892.9	10894.9	10896.7	10776.6	10656.4	10546.4	10436.0	10358.3
20°	10736.5	10783.1	10830.0	10689.1	10548.2	10283.0	10017.8	9824.7	9631.6	9512.9
22.5°	10865.6	10804.5	10743.4	10451.5	10159.6	9769.5	9379.4	9138.0	8896.5	8765.4
25°	11031.7	10838.9	10646.1	10202.9	9759.7	9286.0	8812.3	8558.4	8305.1	8181.1
27.5°	11257.1	10912.4	10567.5	9980.4	9393.7	8868.7	8343.6	8093.9	7844.4	7727.2
30°	11561.2	11047.1	10533.3	9810.7	9088.2	8541.2	7994.2	7762.5	7530.8	7421.7
32.5°	11920.1	11216.2	10512.6	9695.1	8877.5	8363.5	7849.4	7667.6	7485.5	7406.9
35°	12356.1	11494.7	10633.6	9781.7	8930.1	8572.9	8216.1	8173.6	8131.2	8124.7
37.5°	13090.3	12077.0	11063.7	10289.5	9515.3	9492.2	9469.0	9663.0	9857.0	9957.9
40°	14199.7	13097.7	11995.7	11420.0	10844.2	11250.6	11657.0	12128.6	12600.3	12835.2
42.5°	15671.0	14577.6	13484.2	13152.6	12821.0	13707.3	14593.6	15451.5	16309.3	16813.0
45°	17487.8	16505.7	15523.3	15377.0	15230.5	16650.4	18070.7	19480.3	20890.2	21746.0
47.5°	19760.0	18804.6	17848.8	17819.2	17789.5	19838.0	21886.0	23949.6	26013.0	27224.7
50°	22738.2	21557.9	20377.9	20382.9	20388.0	23028.0	25668.0	28392.0	31115.9	32762.8
52.5°	26156.9	24727.7	23298.8	23154.4	23009.6	26163.1	29316.6	32686.9	36056.9	38031.0
55°	29796.5	28384.5	26972.6	26409.3	25846.0	29355.7	32865.1	36883.0	40900.9	43248.7
57.5°	33106.9	32338.0	31568.9	30439.0	29309.4	32853.3	36397.1	40948.0	45498.6	48410.1
60°	35107.7	36301.9	37496.4	36093.4	34690.3	38044.0	41397.7	46270.2	51142.6	54289.3
62.5°	34091.7	37354.9	40618.2	40460.1	40301.7	43373.9	46446.4	51082.1	55717.5	58626.0
65°	32058.3	35121.0	38183.7	38789.7	39395.5	43299.7	47204.3	51699.4	56194.2	58670.5
67.5°	29333.8	32246.7	35159.6	35443.8	35727.6	39795.6	43863.3	48377.7	52892.1	54832.1
70°	26060.5	29228.8	32397.4	32524.3	32651.6	36289.4	39927.0	43812.0	47696.7	48774.9
72.5°	22159.8	25795.6	29431.7	29523.0	29614.1	32460.2	35306.4	38216.1	41125.4	41234.6
75°	17225.3	20988.4	24751.4	25089.3	25427.1	27641.5	29855.8	31904.1	33952.3	33403.5
77.5°	12307.2	15819.9	19332.9	19816.4	20299.9	21983.3	23666.6	25119.2	26572.1	25628.9
80°	8055.0	11010.3	13965.4	14566.3	15167.3	16438.7	17709.4	18472.4	19235.0	17717.7
82.5°	4682.3	6702.7	8723.3	9394.6	10066.1	10941.2	11816.3	12134.6	12452.5	11260.1
85°	2060.1	3132.4	4204.7	4775.7	5346.8	6065.8	6784.5	6965.2	7145.8	6190.7
87.5°	637.8	998.2	1358.6	1677.1	1995.7	2355.2	2714.8	2730.2	2745.3	2304.8
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°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
8545.9	2.5°	8532.6	8519.2	8492.5	8465.8	8421.0	8376.2	8344.5	8313.1	8249.3	8185.5
9568.7	5°	9532.5	9496.6	9437.3	9378.0	9268.5	9159.3	9049.0	8939.0	8798.1	8657.2
10546.7	7.5°	10494.5	10442.0	10345.0	10248.0	10086.9	9925.8	9747.0	9567.8	9335.3	9103.0
11181.5	10°	11130.8	11079.7	10965.8	10851.3	10662.4	10473.4	10261.6	10049.8	9755.9	9461.9
11366.9	12.5°	11339.0	11311.1	11228.0	11145.0	10974.7	10803.9	10574.6	10345.0	10021.9	9699.2
11081.5	15°	11111.2	11140.8	11137.9	11134.9	11027.5	10920.4	10722.6	10524.4	10187.8	9851.1
10436.0	17.5°	10546.4	10656.4	10776.6	10896.7	10894.9	10892.9	10759.1	10625.3	10283.9	9942.5
9631.6	20°	9824.7	10017.8	10283.0	10548.2	10689.1	10830.0	10783.1	10736.5	10381.8	10026.7
8896.5	22.5°	9138.0	9379.4	9769.5	10159.6	10451.5	10743.4	10804.5	10865.6	10503.1	10140.3
8305.1	25°	8558.4	8812.3	9286.0	9759.7	10202.9	10646.1	10838.9	11031.7	10676.3	10321.2
7844.4	27.5°	8093.9	8343.6	8868.7	9393.7	9980.4	10567.5	10912.4	11257.1	10918.4	10579.3
7530.8	30°	7762.5	7994.2	8541.2	9088.2	9810.7	10533.3	11047.1	11561.2	11233.7	10906.5
7485.5	32.5°	7667.6	7849.4	8363.5	8877.5	9695.1	10512.6	11216.2	11920.1	11595.9	11271.9
8131.2	35°	8173.6	8216.1	8572.9	8930.1	9781.7	10633.6	11494.7	12356.1	12045.9	11735.3
9857.0	37.5°	9663.0	9469.0	9492.2	9515.3	10289.5	11063.7	12077.0	13090.3	12694.6	12298.9
12600.3	40°	12128.6	11657.0	11250.6	10844.2	11420.0	11995.7	13097.7	14199.7	13623.0	13046.4
16309.3	42.5°	15451.5	14593.6	13707.3	12821.0	13152.6	13484.2	14577.6	15671.0	14838.6	14006.3
20890.2	45°	19480.3	18070.7	16650.4	15230.5	15377.0	15523.3	16505.7	17487.8	16365.1	15242.3
26013.0	47.5°	23949.6	21886.0	19838.0	17789.5	17819.2	17848.8	18804.6	19760.0	18179.9	16599.4
31115.9	50°	28392.0	25668.0	23028.0	20388.0	20382.9	20377.9	21557.9	22738.2	20356.0	17973.4
36056.9	52.5°	32686.9	29316.6	26163.1	23009.6	23154.4	23298.8	24727.7	26156.9	22641.8	19126.7
40900.9	55°	36883.0	32865.1	29355.7	25846.0	26409.3	26972.6	28384.5	29796.5	24668.4	19540.5
45498.6	57.5°	40948.0	36397.1	32853.3	29309.4	30439.0	31568.9	32338.0	33106.9	26104.6	19102.4
51142.6	60°	46270.2	41397.7	38044.0	34690.3	36093.4	37496.4	36301.9	35107.7	26463.6	17819.2
55717.5	62.5°	51082.1	46446.4	43373.9	40301.7	40460.1	40618.2	37354.9	34091.7	24952.2	15812.8
56194.2	65°	51699.4	47204.3	43299.7	39395.5	38789.7	38183.7	35121.0	32058.3	22813.8	13569.4
52892.1	67.5°	48377.7	43863.3	39795.6	35727.6	35443.8	35159.6	32246.7	29333.8	20269.0	11204.3
47696.7	70°	43812.0	39927.0	36289.4	32651.6	32524.3	32397.4	29228.8	26060.5	17492.3	8924.1
41125.4	72.5°	38216.1	35306.4	32460.2	29614.1	29523.0	29431.7	25795.6	22159.8	14482.1	6804.7
33952.3	75°	31904.1	29855.8	27641.5	25427.1	25089.3	24751.4	20988.4	17225.3	11031.4	4837.4
26572.1	77.5°	25119.2	23666.6	21983.3	20299.9	19816.4	19332.9	15819.9	12307.2	7721.0	3134.8
19235.0	80°	18472.4	17709.4	16438.7	15167.3	14566.3	13965.4	11010.3	8055.0	4974.5	1894.0
12452.5	82.5°	12134.6	11816.3	10941.2	10066.1	9394.6	8723.3	6702.7	4682.3	2879.1	1076.2
7145.8	85°	6965.2	6784.5	6065.8	5346.8	4775.7	4204.7	3132.4	2060.1	1295.1	530.4
2745.3	87.5°	2730.2	2714.8	2355.2	1995.7	1677.1	1358.6	998.2	637.8	424.2	210.6
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
8117.6	2.5°	8050.0	7981.7	7913.5	7848.2	7783.0	7719.8	7649.5	7592.5	7535.9	7484.6
8516.6	5°	8376.2	8234.8	8093.6	7961.6	7829.6	7705.0	7581.9	7474.5	7366.8	7276.6
8888.2	7.5°	8673.5	8464.3	8255.2	8071.0	7886.8	7716.8	7557.5	7414.6	7271.9	7153.2
9178.0	10°	8894.5	8640.5	8386.3	8168.6	7950.3	7740.6	7569.4	7418.7	7268.0	7149.4
9377.7	12.5°	9056.1	8756.5	8456.9	8210.4	7963.9	7743.5	7584.2	7460.8	7338.0	7259.1
9502.3	15°	9153.4	8808.4	8463.5	8178.1	7892.7	7648.6	7521.1	7462.0	7403.3	7414.0
9561.9	17.5°	9181.3	8780.8	8380.4	8037.2	7694.0	7406.9	7328.3	7349.9	7371.3	7500.6
9608.4	20°	9190.2	8704.9	8219.6	7794.3	7368.9	7034.6	7013.8	7114.7	7215.5	7440.1
9671.3	22.5°	9202.1	8611.8	8021.5	7509.2	6996.9	6616.3	6657.0	6806.2	6955.4	7211.7
9785.2	25°	9248.9	8519.8	7791.0	7190.9	6591.1	6201.1	6310.8	6482.9	6654.9	6885.4
9963.2	27.5°	9346.8	8458.4	7570.0	6899.9	6229.8	5874.8	6008.2	6174.4	6340.5	6530.0
10193.7	30°	9480.9	8429.6	7377.8	6656.7	5935.6	5637.5	5742.2	5873.9	6006.2	6163.4
10434.3	32.5°	9596.6	8394.0	7190.9	6447.0	5702.7	5462.4	5509.0	5587.0	5665.0	5790.5
10708.4	35°	9681.4	8327.0	6973.2	6240.8	5508.4	5308.2	5288.9	5310.3	5331.9	5427.7
11015.4	37.5°	9731.8	8212.2	6692.6	5998.2	5303.7	5128.7	5058.1	5034.4	5010.7	5079.5
11405.1	40°	9763.6	8054.1	6344.9	5708.6	5072.4	4913.7	4805.4	4751.7	4698.0	4747.6
11915.0	42.5°	9823.8	7891.0	5958.7	5389.2	4819.6	4673.4	4537.0	4465.8	4394.6	4434.9
12586.0	45°	9929.7	7739.4	5549.4	5049.8	4550.3	4402.0	4270.0	4200.6	4131.5	4165.3
13300.9	47.5°	10002.4	7614.2	5226.0	4781.4	4336.7	4145.4	4031.8	3973.7	3915.5	3947.6
13964.2	50°	9954.9	7477.8	5000.6	4603.1	4205.6	3954.1	3822.1	3770.5	3719.1	3769.0
14394.9	52.5°	9662.7	7247.3	4832.1	4485.6	4139.5	3850.3	3665.8	3614.7	3564.0	3639.1
14300.0	55°	9059.1	6865.2	4671.3	4400.5	4129.7	3860.6	3582.7	3502.0	3421.6	3528.1
13631.9	57.5°	8161.8	6326.5	4491.0	4299.7	4108.3	3871.0	3532.9	3415.4	3297.9	3412.4
12388.8	60°	6958.4	5627.1	4295.8	4145.4	3995.0	3838.4	3486.0	3333.8	3181.4	3281.9
10707.8	62.5°	5602.8	4790.0	3977.2	3877.3	3777.6	3758.3	3431.4	3241.0	3050.8	3114.6
8992.6	65°	4416.2	4036.8	3657.5	3610.3	3563.1	3565.5	3316.3	3114.0	2911.4	2936.0
7312.5	67.5°	3420.7	3313.1	3205.1	3231.5	3257.6	3251.1	3111.1	2942.6	2774.1	2766.4
5757.6	70°	2591.1	2621.9	2652.5	2774.7	2896.6	2896.6	2850.6	2730.8	2610.9	2584.2
4401.7	72.5°	1998.7	2091.5	2184.7	2357.9	2530.8	2559.9	2560.5	2478.3	2396.2	2357.0
3194.7	75°	1552.0	1636.2	1720.5	1914.5	2108.4	2242.5	2231.3	2168.1	2104.6	2067.2
2164.8	77.5°	1194.8	1252.1	1309.6	1498.0	1686.3	1907.3	1901.4	1850.7	1800.0	1762.0
1394.8	80°	895.8	919.6	943.3	1102.9	1262.2	1526.2	1525.3	1482.9	1440.1	1408.4
857.9	82.5°	640.1	644.3	649.0	766.5	884.0	1109.4	1121.9	1101.1	1080.3	1057.8
458.6	85°	387.1	385.0	382.7	468.7	554.7	722.3	738.6	716.4	694.1	668.9
190.1	87.5°	169.7	167.6	165.5	200.5	235.8	305.5	326.3	317.4	308.5	303.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7433.6	2.5°	7388.8	7344.0	7298.9	7254.1	7219.4	7184.4	7156.2	7128.0	7106.1	7084.1
7186.8	5°	7107.3	7027.8	6955.7	6883.3	6827.8	6772.1	6733.2	6694.4	6666.8	6639.2
7034.6	7.5°	6934.6	6834.4	6746.0	6657.9	6591.7	6525.9	6479.6	6433.3	6401.6	6370.1
7030.7	10°	6923.1	6815.1	6715.7	6616.3	6537.4	6458.2	6406.6	6354.4	6324.5	6294.5
7180.8	12.5°	7096.0	7011.7	6908.8	6806.2	6705.3	6604.5	6537.7	6471.0	6437.5	6404.2
7424.7	15°	7402.7	7380.8	7291.5	7202.2	7058.6	6915.0	6813.6	6712.1	6665.6	6619.3
7629.9	17.5°	7698.7	7767.3	7695.2	7623.4	7433.3	7243.1	7093.6	6944.1	6875.3	6806.2
7664.9	20°	7808.8	7952.7	7919.4	7885.9	7668.5	7451.4	7268.0	7085.0	6996.9	6908.5
7468.6	22.5°	7655.7	7842.9	7863.1	7882.9	7675.3	7467.7	7279.0	7090.1	6997.2	6904.1
7116.2	25°	7300.4	7484.6	7553.4	7621.9	7451.6	7281.7	7113.8	6946.5	6865.8	6785.4
6719.3	27.5°	6867.0	7014.7	7091.2	7168.1	7046.7	6925.7	6795.5	6665.3	6611.3	6557.0
6320.6	30°	6443.1	6565.9	6628.2	6690.5	6598.2	6505.7	6412.6	6318.8	6291.2	6263.3
5916.3	32.5°	6033.8	6151.5	6220.6	6290.0	6205.2	6120.1	6045.6	5971.2	5953.1	5935.0
5523.3	35°	5639.5	5756.1	5839.2	5922.2	5861.7	5801.5	5732.7	5664.2	5636.6	5609.3
5148.0	37.5°	5264.0	5380.3	5482.9	5585.5	5557.7	5529.8	5466.6	5403.1	5353.0	5303.2
4797.1	40°	4909.2	5021.4	5139.4	5257.8	5264.6	5271.1	5217.4	5163.7	5090.8	5018.4
4475.6	42.5°	4581.8	4688.2	4815.8	4943.3	4977.5	5011.6	4966.2	4921.1	4830.6	4740.2
4199.7	45°	4300.5	4401.4	4533.7	4666.0	4714.9	4763.9	4722.9	4682.3	4578.8	4475.6
3979.3	47.5°	4078.1	4176.6	4307.1	4437.6	4493.9	4550.3	4521.8	4493.4	4401.4	4309.4
3819.1	50°	3912.3	4005.1	4122.0	4238.8	4311.2	4383.6	4381.8	4380.6	4307.1	4233.5
3713.8	52.5°	3799.2	3884.4	3993.2	4102.4	4188.1	4273.8	4289.3	4304.7	4244.8	4184.9
3634.3	55°	3726.3	3818.2	3913.7	4009.0	4099.7	4190.8	4212.1	4233.5	4181.3	4129.1
3526.9	57.5°	3634.9	3742.9	3837.2	3931.8	4023.5	4114.9	4136.5	4158.2	4105.4	4052.6
3382.2	60°	3506.2	3630.2	3726.0	3822.1	3914.0	4006.0	4029.7	4053.5	4001.8	3950.5
3178.4	62.5°	3322.9	3467.6	3569.9	3672.3	3756.5	3840.8	3863.6	3886.4	3839.9	3793.3
2960.4	65°	3115.2	3270.3	3368.2	3466.1	3540.3	3614.4	3637.9	3661.0	3616.2	3571.4
2758.7	67.5°	2901.6	3044.9	3137.8	3230.3	3294.4	3358.4	3381.3	3403.8	3362.6	3321.7
2557.5	70°	2683.3	2809.1	2889.2	2969.3	3027.1	3085.0	3106.9	3128.9	3095.3	3061.8
2318.2	72.5°	2417.2	2516.0	2588.4	2660.8	2717.4	2774.1	2800.2	2826.3	2798.4	2770.5
2029.5	75°	2103.1	2176.7	2242.2	2307.8	2359.4	2411.0	2438.3	2465.6	2451.9	2438.3
1724.0	77.5°	1783.9	1843.6	1899.9	1956.3	2010.6	2064.5	2090.1	2115.6	2096.6	2077.0
1376.4	80°	1426.2	1475.7	1523.2	1570.7	1611.9	1652.8	1686.6	1720.5	1712.1	1704.1
1035.2	82.5°	1031.1	1026.9	1010.3	993.7	1081.5	1169.3	1226.9	1284.4	1280.8	1277.0
643.7	85°	622.3	600.7	554.7	508.7	590.9	673.4	744.5	815.7	809.8	803.9
299.0	87.5°	298.1	297.2	262.2	226.9	261.3	296.0	324.8	353.6	346.5	338.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7064.0	2.5°	7043.5	7018.3	7043.5	7064.0	7084.1	7106.1	7128.0	7156.2	7184.4	7219.4
6618.1	5°	6597.1	6576.3	6597.1	6618.1	6639.2	6666.8	6694.4	6733.2	6772.1	6827.8
6351.2	7.5°	6332.5	6318.2	6332.5	6351.2	6370.1	6401.6	6433.3	6479.6	6525.9	6591.7
6278.5	10°	6262.5	6255.9	6262.5	6278.5	6294.5	6324.5	6354.4	6406.6	6458.2	6537.4
6390.6	12.5°	6377.0	6374.6	6377.0	6390.6	6404.2	6437.5	6471.0	6537.7	6604.5	6705.3
6601.5	15°	6583.7	6582.2	6583.7	6601.5	6619.3	6665.6	6712.1	6813.6	6915.0	7058.6
6783.6	17.5°	6760.8	6757.2	6760.8	6783.6	6806.2	6875.3	6944.1	7093.6	7243.1	7433.3
6880.3	20°	6852.2	6843.3	6852.2	6880.3	6908.5	6996.9	7085.0	7268.0	7451.4	7668.5
6872.9	22.5°	6841.8	6828.4	6841.8	6872.9	6904.1	6997.2	7090.1	7279.0	7467.7	7675.3
6756.1	25°	6727.0	6709.8	6727.0	6756.1	6785.4	6865.8	6946.5	7113.8	7281.7	7451.6
6543.7	27.5°	6530.3	6525.9	6530.3	6543.7	6557.0	6611.3	6665.3	6795.5	6925.7	7046.7
6263.3	30°	6263.3	6267.8	6263.3	6263.3	6263.3	6291.2	6318.8	6412.6	6505.7	6598.2
5937.4	32.5°	5940.0	5944.5	5940.0	5937.4	5935.0	5953.1	5971.2	6045.6	6120.1	6205.2
5603.3	35°	5597.4	5594.4	5597.4	5603.3	5609.3	5636.6	5664.2	5732.7	5801.5	5861.7
5276.8	37.5°	5250.4	5235.5	5250.4	5276.8	5303.2	5353.0	5403.1	5466.6	5529.8	5557.7
4969.1	40°	4920.5	4891.4	4920.5	4969.1	5018.4	5090.8	5163.7	5217.4	5271.1	5264.6
4668.7	42.5°	4597.2	4550.3	4597.2	4668.7	4740.2	4830.6	4921.1	4966.2	5011.6	4977.5
4391.6	45°	4307.7	4253.7	4307.7	4391.6	4475.6	4578.8	4682.3	4722.9	4763.9	4714.9
4231.7	47.5°	4154.3	4102.4	4154.3	4231.7	4309.4	4401.4	4493.4	4521.8	4550.3	4493.9
4161.7	50°	4089.9	4040.1	4089.9	4161.7	4233.5	4307.1	4380.6	4381.8	4383.6	4311.2
4120.5	52.5°	4056.4	4010.4	4056.4	4120.5	4184.9	4244.8	4304.7	4289.3	4273.8	4188.1
4072.7	55°	4016.4	3974.8	4016.4	4072.7	4129.1	4181.3	4233.5	4212.1	4190.8	4099.7
3996.8	57.5°	3940.7	3897.7	3940.7	3996.8	4052.6	4105.4	4158.2	4136.5	4114.9	4023.5
3893.0	60°	3835.4	3790.9	3835.4	3893.0	3950.5	4001.8	4053.5	4029.7	4006.0	3914.0
3732.8	62.5°	3672.3	3618.9	3672.3	3732.8	3793.3	3839.9	3886.4	3863.6	3840.8	3756.5
3512.7	65°	3454.3	3408.3	3454.3	3512.7	3571.4	3616.2	3661.0	3637.9	3614.4	3540.3
3267.1	67.5°	3212.5	3171.0	3212.5	3267.1	3321.7	3362.6	3403.8	3381.3	3358.4	3294.4
3009.6	70°	2957.4	2909.9	2957.4	3009.6	3061.8	3095.3	3128.9	3106.9	3085.0	3027.1
2720.7	72.5°	2671.2	2625.2	2671.2	2720.7	2770.5	2798.4	2826.3	2800.2	2774.1	2717.4
2396.5	75°	2354.7	2310.7	2354.7	2396.5	2438.3	2451.9	2465.6	2438.3	2411.0	2359.4
2034.9	77.5°	1992.8	1957.8	1992.8	2034.9	2077.0	2096.6	2115.6	2090.1	2064.5	2010.6
1647.5	80°	1590.5	1524.7	1590.5	1647.5	1704.1	1712.1	1720.5	1686.6	1652.8	1611.9
1229.2	82.5°	1181.2	1139.1	1181.2	1229.2	1277.0	1280.8	1284.4	1226.9	1169.3	1081.5
766.5	85°	729.1	691.1	729.1	766.5	803.9	809.8	815.7	744.5	673.4	590.9
319.8	87.5°	300.2	281.8	300.2	319.8	338.8	346.5	353.6	324.8	296.0	261.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7254.1	2.5°	7298.9	7344.0	7388.8	7433.6	7484.6	7535.9	7592.5	7649.5	7719.8	7783.0
6883.3	5°	6955.7	7027.8	7107.3	7186.8	7276.6	7366.8	7474.5	7581.9	7705.0	7829.6
6657.9	7.5°	6746.0	6834.4	6934.6	7034.6	7153.2	7271.9	7414.6	7557.5	7716.8	7886.8
6616.3	10°	6715.7	6815.1	6923.1	7030.7	7149.4	7268.0	7418.7	7569.4	7740.6	7950.3
6806.2	12.5°	6908.8	7011.7	7096.0	7180.8	7259.1	7338.0	7460.8	7584.2	7743.5	7963.9
7202.2	15°	7291.5	7380.8	7402.7	7424.7	7414.0	7403.3	7462.0	7521.1	7648.6	7892.7
7623.4	17.5°	7695.2	7767.3	7698.7	7629.9	7500.6	7371.3	7349.9	7328.3	7406.9	7694.0
7885.9	20°	7919.4	7952.7	7808.8	7664.9	7440.1	7215.5	7114.7	7013.8	7034.6	7368.9
7882.9	22.5°	7863.1	7842.9	7655.7	7468.6	7211.7	6955.4	6806.2	6657.0	6616.3	6996.9
7621.9	25°	7553.4	7484.6	7300.4	7116.2	6885.4	6654.9	6482.9	6310.8	6201.1	6591.1
7168.1	27.5°	7091.2	7014.7	6867.0	6719.3	6530.0	6340.5	6174.4	6008.2	5874.8	6229.8
6690.5	30°	6628.2	6565.9	6443.1	6320.6	6163.4	6006.2	5873.9	5742.2	5637.5	5935.6
6290.0	32.5°	6220.6	6151.5	6033.8	5916.3	5790.5	5665.0	5587.0	5509.0	5462.4	5702.7
5922.2	35°	5839.2	5756.1	5639.5	5523.3	5427.7	5331.9	5310.3	5288.9	5308.2	5508.4
5585.5	37.5°	5482.9	5380.3	5264.0	5148.0	5079.5	5010.7	5034.4	5058.1	5128.7	5303.7
5257.8	40°	5139.4	5021.4	4909.2	4797.1	4747.6	4698.0	4751.7	4805.4	4913.7	5072.4
4943.3	42.5°	4815.8	4688.2	4581.8	4475.6	4434.9	4394.6	4465.8	4537.0	4673.4	4819.6
4666.0	45°	4533.7	4401.4	4300.5	4199.7	4165.3	4131.5	4200.6	4270.0	4402.0	4550.3
4437.6	47.5°	4307.1	4176.6	4078.1	3979.3	3947.6	3915.5	3973.7	4031.8	4145.4	4336.7
4238.8	50°	4122.0	4005.1	3912.3	3819.1	3769.0	3719.1	3770.5	3822.1	3954.1	4205.6
4102.4	52.5°	3993.2	3884.4	3799.2	3713.8	3639.1	3564.0	3614.7	3665.8	3850.3	4139.5
4009.0	55°	3913.7	3818.2	3726.3	3634.3	3528.1	3421.6	3502.0	3582.7	3860.6	4129.7
3931.8	57.5°	3837.2	3742.9	3634.9	3526.9	3412.4	3297.9	3415.4	3532.9	3871.0	4108.3
3822.1	60°	3726.0	3630.2	3506.2	3382.2	3281.9	3181.4	3333.8	3486.0	3838.4	3995.0
3672.3	62.5°	3569.9	3467.6	3322.9	3178.4	3114.6	3050.8	3241.0	3431.4	3758.3	3777.6
3466.1	65°	3368.2	3270.3	3115.2	2960.4	2936.0	2911.4	3114.0	3316.3	3565.5	3563.1
3230.3	67.5°	3137.8	3044.9	2901.6	2758.7	2766.4	2774.1	2942.6	3111.1	3251.1	3257.6
2969.3	70°	2889.2	2809.1	2683.3	2557.5	2584.2	2610.9	2730.8	2850.6	2896.6	2896.6
2660.8	72.5°	2588.4	2516.0	2417.2	2318.2	2357.0	2396.2	2478.3	2560.5	2559.9	2530.8
2307.8	75°	2242.2	2176.7	2103.1	2029.5	2067.2	2104.6	2168.1	2231.3	2242.5	2108.4
1956.3	77.5°	1899.9	1843.6	1783.9	1724.0	1762.0	1800.0	1850.7	1901.4	1907.3	1686.3
1570.7	80°	1523.2	1475.7	1426.2	1376.4	1408.4	1440.1	1482.9	1525.3	1526.2	1262.2
993.7	82.5°	1010.3	1026.9	1031.1	1035.2	1057.8	1080.3	1101.1	1121.9	1109.4	884.0
508.7	85°	554.7	600.7	622.3	643.7	668.9	694.1	716.4	738.6	722.3	554.7
226.9	87.5°	262.2	297.2	298.1	299.0	303.7	308.5	317.4	326.3	305.5	235.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
7730.2	0°	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2	7730.2
7848.2	2.5°	7913.5	7981.7	8050.0	8117.6	8185.5	8249.3	8313.1
7961.6	5°	8093.6	8234.8	8376.2	8516.6	8657.2	8798.1	8939.0
8071.0	7.5°	8255.2	8464.3	8673.5	8888.2	9103.0	9335.3	9567.8
8168.6	10°	8386.3	8640.5	8894.5	9178.0	9461.9	9755.9	10049.8
8210.4	12.5°	8456.9	8756.5	9056.1	9377.7	9699.2	10021.9	10345.0
8178.1	15°	8463.5	8808.4	9153.4	9502.3	9851.1	10187.8	10524.4
8037.2	17.5°	8380.4	8780.8	9181.3	9561.9	9942.5	10283.9	10625.3
7794.3	20°	8219.6	8704.9	9190.2	9608.4	10026.7	10381.8	10736.5
7509.2	22.5°	8021.5	8611.8	9202.1	9671.3	10140.3	10503.1	10865.6
7190.9	25°	7791.0	8519.8	9248.9	9785.2	10321.2	10676.3	11031.7
6899.9	27.5°	7570.0	8458.4	9346.8	9963.2	10579.3	10918.4	11257.1
6656.7	30°	7377.8	8429.6	9480.9	10193.7	10906.5	11233.7	11561.2
6447.0	32.5°	7190.9	8394.0	9596.6	10434.3	11271.9	11595.9	11920.1
6240.8	35°	6973.2	8327.0	9681.4	10708.4	11735.3	12045.9	12356.1
5998.2	37.5°	6692.6	8212.2	9731.8	11015.4	12298.9	12694.6	13090.3
5708.6	40°	6344.9	8054.1	9763.6	11405.1	13046.4	13623.0	14199.7
5389.2	42.5°	5958.7	7891.0	9823.8	11915.0	14006.3	14838.6	15671.0
5049.8	45°	5549.4	7739.4	9929.7	12586.0	15242.3	16365.1	17487.8
4781.4	47.5°	5226.0	7614.2	10002.4	13300.9	16599.4	18179.9	19760.0
4603.1	50°	5000.6	7477.8	9954.9	13964.2	17973.4	20356.0	22738.2
4485.6	52.5°	4832.1	7247.3	9662.7	14394.9	19126.7	22641.8	26156.9
4400.5	55°	4671.3	6865.2	9059.1	14300.0	19540.5	24668.4	29796.5
4299.7	57.5°	4491.0	6326.5	8161.8	13631.9	19102.4	26104.6	33106.9
4145.4	60°	4295.8	5627.1	6958.4	12388.8	17819.2	26463.6	35107.7
3877.3	62.5°	3977.2	4790.0	5602.8	10707.8	15812.8	24952.2	34091.7
3610.3	65°	3657.5	4036.8	4416.2	8992.6	13569.4	22813.8	32058.3
3231.5	67.5°	3205.1	3313.1	3420.7	7312.5	11204.3	20269.0	29333.8
2774.7	70°	2652.5	2621.9	2591.1	5757.6	8924.1	17492.3	26060.5
2357.9	72.5°	2184.7	2091.5	1998.7	4401.7	6804.7	14482.1	22159.8
1914.5	75°	1720.5	1636.2	1552.0	3194.7	4837.4	11031.4	17225.3
1498.0	77.5°	1309.6	1252.1	1194.8	2164.8	3134.8	7721.0	12307.2
1102.9	80°	943.3	919.6	895.8	1394.8	1894.0	4974.5	8055.0
766.5	82.5°	649.0	644.3	640.1	857.9	1076.2	2879.1	4682.3
468.7	85°	382.7	385.0	387.1	458.6	530.4	1295.1	2060.1
200.5	87.5°	165.5	167.6	169.7	190.1	210.6	424.2	637.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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