

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: P956873

Luminaire Tested: **GALN-SB9B-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956873
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-SB9B-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31108 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

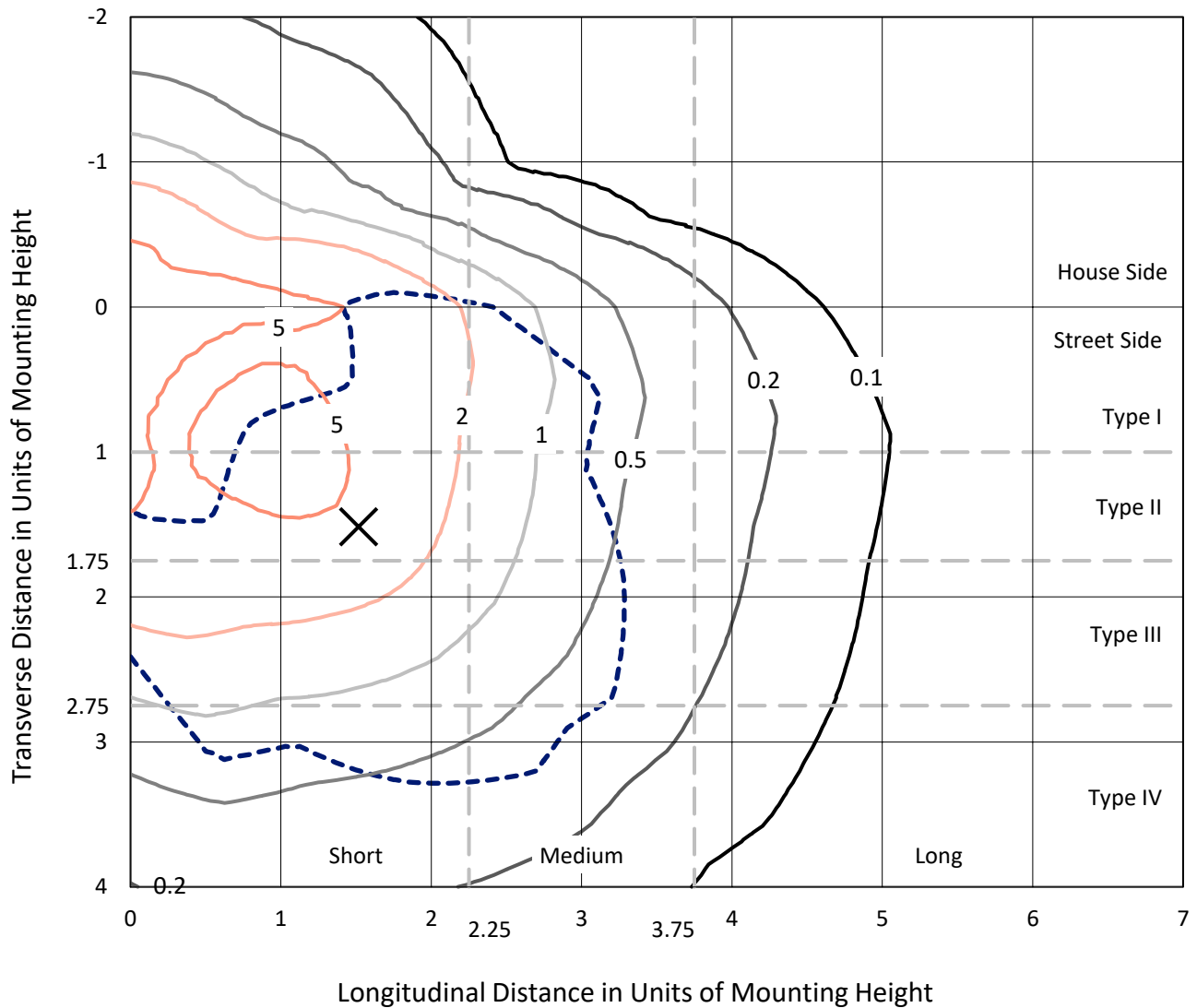
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

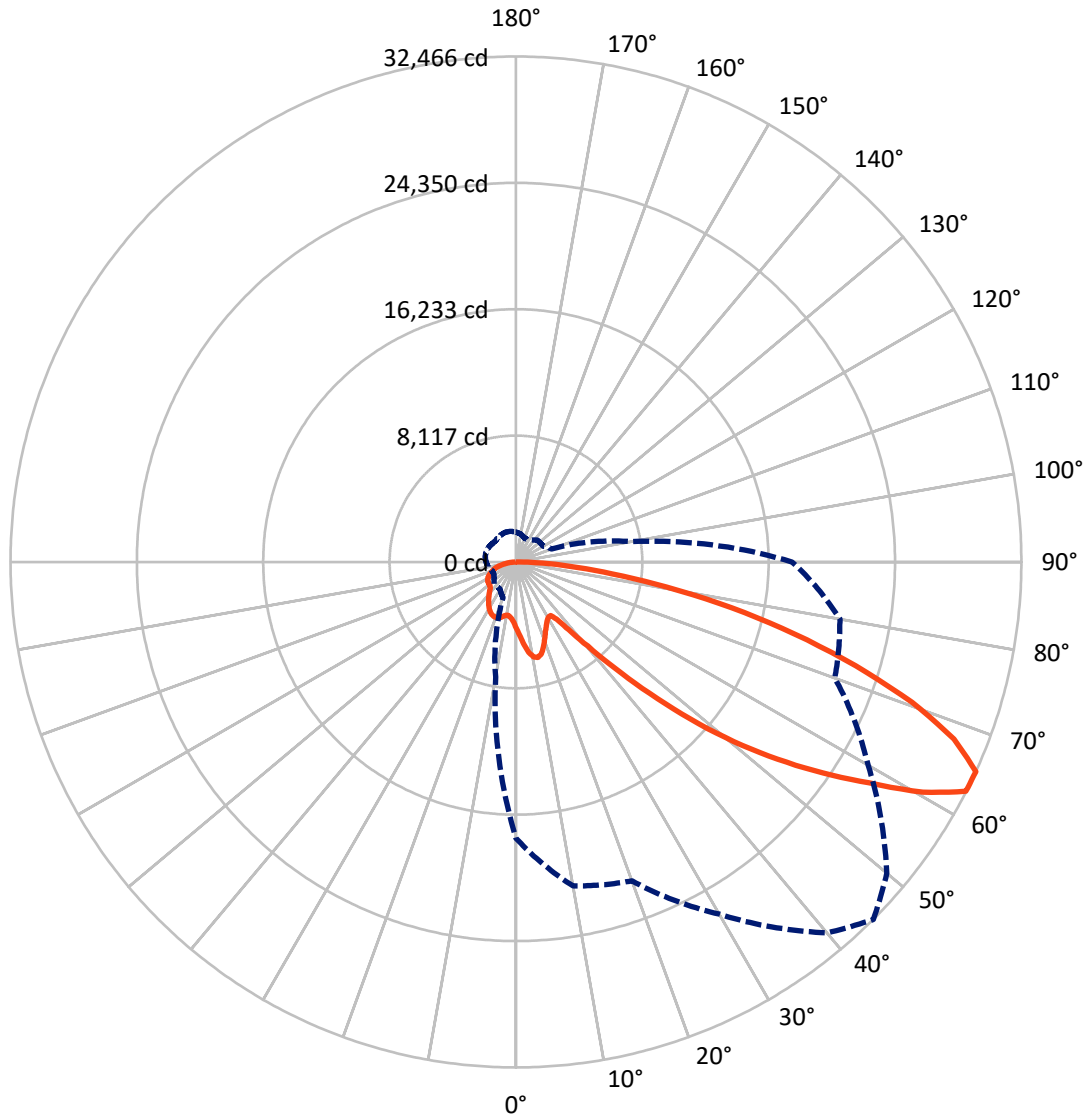
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	7906.1	0.0	7906.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23201.9	0.0	23201.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	31108.0	0.0	31108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.3	1.4
10°-20°	1332.1	4.3
20°-30°	2057.6	6.6
30°-40°	2607.5	8.4
40°-50°	3932.8	12.6
50°-60°	6354.0	20.4
60°-70°	7921.2	25.5
70°-80°	5194.3	16.7
80°-90°	1284.2	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°	31108.0	100.0
0°-180°	31108.0	100.0

Coefficient of Utilization



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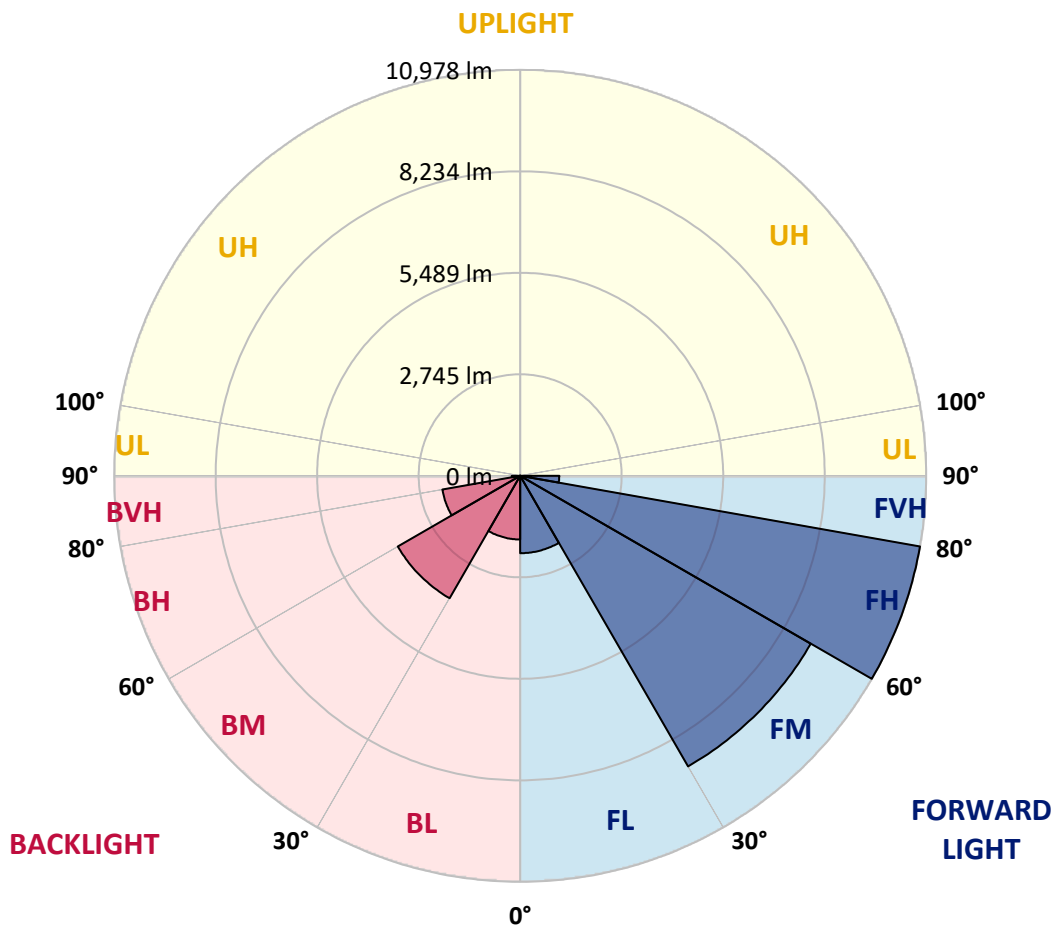
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2092.4	6.7			
FM (30°-60°)	9073.5	29.2			
FH (60°-80°)	10978.1	35.3			G4/12000
FVH (80°-90°)	1057.9	3.4			G5
BL (0°-30°)	1721.6	5.5	B3/2500		
BM (30°-60°)	3820.7	12.3	B3/5000		
BH (60°-80°)	2137.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	226.3	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
2.5°	4600.2	4617.6	4635.1	4659.9	4684.7	4699.5	4714.2	4721.6	4729.0	4725.7
5°	4946.5	5007.4	5068.5	5128.9	5189.4	5222.3	5255.1	5275.0	5295.0	5310.1
7.5°	5294.5	5393.6	5492.6	5581.7	5670.9	5724.6	5778.2	5807.3	5836.2	5850.1
10°	5561.2	5678.4	5795.6	5900.2	6004.8	6068.1	6131.1	6159.4	6187.4	6198.1
12.5°	5724.6	5851.6	5978.5	6073.0	6167.3	6213.2	6259.2	6274.6	6290.0	6291.7
15°	5823.9	5933.5	6043.0	6102.3	6161.7	6163.3	6165.0	6148.5	6132.1	6112.8
17.5°	5879.7	5953.7	6027.7	6028.9	6029.9	5963.4	5896.9	5836.0	5774.9	5731.9
20°	5941.2	5967.0	5992.9	5915.0	5837.0	5690.2	5543.5	5436.6	5329.8	5264.1
22.5°	6012.6	5978.8	5945.0	5783.5	5622.0	5406.1	5190.3	5056.6	4923.0	4850.5
25°	6104.6	5997.9	5891.2	5645.9	5400.7	5138.6	4876.4	4735.9	4595.7	4527.1
27.5°	6229.3	6038.6	5847.7	5522.8	5198.1	4907.6	4617.1	4478.9	4340.8	4276.0
30°	6397.6	6113.1	5828.8	5428.9	5029.1	4726.4	4423.7	4295.5	4167.3	4106.9
32.5°	6596.2	6206.6	5817.3	5364.9	4912.5	4628.1	4343.6	4243.0	4142.2	4098.7
35°	6837.5	6360.8	5884.3	5412.8	4941.6	4744.0	4546.5	4523.0	4499.5	4495.9
37.5°	7243.7	6683.0	6122.3	5693.9	5265.4	5252.6	5239.8	5347.2	5454.5	5510.3
40°	7857.6	7247.8	6638.0	6319.4	6000.8	6225.7	6450.6	6711.6	6972.6	7102.6
42.5°	8671.8	8066.7	7461.7	7278.2	7094.7	7585.1	8075.6	8550.3	9025.0	9303.7
45°	9677.2	9133.7	8590.0	8509.1	8428.0	9213.8	9999.7	10779.7	11559.9	12033.5
47.5°	10934.5	10405.8	9876.9	9860.5	9844.1	10977.7	12110.9	13252.9	14394.7	15065.2
50°	12582.5	11929.4	11276.4	11279.2	11282.0	12742.9	14203.8	15711.1	17218.5	18129.8
52.5°	14474.3	13683.5	12892.8	12812.8	12732.7	14477.8	16222.8	18087.8	19952.6	21045.0
55°	16488.4	15707.0	14925.7	14614.0	14302.3	16244.4	18186.4	20409.8	22633.1	23932.3
57.5°	18320.2	17894.8	17469.1	16843.9	16218.8	18179.9	20140.9	22659.2	25177.4	26788.5
60°	19427.4	20088.2	20749.2	19972.8	19196.4	21052.2	22908.1	25604.3	28300.6	30041.8
62.5°	18865.2	20670.9	22476.7	22389.2	22301.6	24001.6	25701.8	28267.1	30832.2	32441.6
65°	17740.0	19434.8	21129.6	21464.9	21800.1	23960.6	26121.2	28608.7	31096.0	32466.2
67.5°	16232.3	17844.2	19456.1	19613.4	19770.4	22021.5	24272.4	26770.6	29268.7	30342.2
70°	14421.0	16174.2	17927.6	17997.8	18068.3	20081.3	22094.2	24244.0	26393.7	26990.4
72.5°	12262.4	14274.4	16286.5	16337.0	16387.4	17962.4	19537.4	21147.5	22757.4	22817.8
75°	9531.9	11614.2	13696.6	13883.5	14070.5	15295.8	16521.2	17654.6	18788.0	18484.4
77.5°	6810.4	8754.2	10698.1	10965.7	11233.3	12164.8	13096.3	13900.1	14704.1	14182.1
80°	4457.4	6092.7	7727.9	8060.5	8393.1	9096.6	9799.8	10222.0	10644.0	9804.4
82.5°	2591.0	3709.0	4827.2	5198.6	5570.3	6054.5	6538.7	6714.8	6890.8	6230.9
85°	1140.0	1733.4	2326.8	2642.7	2958.7	3356.6	3754.3	3854.3	3954.3	3425.7
87.5°	352.9	552.3	751.8	928.1	1104.4	1303.3	1502.3	1510.8	1519.2	1275.4
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°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
4729.0	2.5°	4721.6	4714.2	4699.5	4684.7	4659.9	4635.1	4617.6	4600.2	4564.9	4529.6
5295.0	5°	5275.0	5255.1	5222.3	5189.4	5128.9	5068.5	5007.4	4946.5	4868.5	4790.6
5836.2	7.5°	5807.3	5778.2	5724.6	5670.9	5581.7	5492.6	5393.6	5294.5	5165.8	5037.3
6187.4	10°	6159.4	6131.1	6068.1	6004.8	5900.2	5795.6	5678.4	5561.2	5398.6	5235.9
6290.0	12.5°	6274.6	6259.2	6213.2	6167.3	6073.0	5978.5	5851.6	5724.6	5545.8	5367.2
6132.1	15°	6148.5	6165.0	6163.3	6161.7	6102.3	6043.0	5933.5	5823.9	5637.6	5451.3
5774.9	17.5°	5836.0	5896.9	5963.4	6029.9	6028.9	6027.7	5953.7	5879.7	5690.7	5501.8
5329.8	20°	5436.6	5543.5	5690.2	5837.0	5915.0	5992.9	5967.0	5941.2	5744.9	5548.4
4923.0	22.5°	5056.6	5190.3	5406.1	5622.0	5783.5	5945.0	5978.8	6012.6	5812.0	5611.3
4595.7	25°	4735.9	4876.4	5138.6	5400.7	5645.9	5891.2	5997.9	6104.6	5907.9	5711.4
4340.8	27.5°	4478.9	4617.1	4907.6	5198.1	5522.8	5847.7	6038.6	6229.3	6041.8	5854.2
4167.3	30°	4295.5	4423.7	4726.4	5029.1	5428.9	5828.8	6113.1	6397.6	6216.3	6035.3
4142.2	32.5°	4243.0	4343.6	4628.1	4912.5	5364.9	5817.3	6206.6	6596.2	6416.8	6237.5
4499.5	35°	4523.0	4546.5	4744.0	4941.6	5412.8	5884.3	6360.8	6837.5	6665.8	6493.9
5454.5	37.5°	5347.2	5239.8	5252.6	5265.4	5693.9	6122.3	6683.0	7243.7	7024.7	6805.8
6972.6	40°	6711.6	6450.6	6225.7	6000.8	6319.4	6638.0	7247.8	7857.6	7538.5	7219.4
9025.0	42.5°	8550.3	8075.6	7585.1	7094.7	7278.2	7461.7	8066.7	8671.8	8211.2	7750.6
11559.9	45°	10779.7	9999.7	9213.8	8428.0	8509.1	8590.0	9133.7	9677.2	9055.9	8434.6
14394.7	47.5°	13252.9	12110.9	10977.7	9844.1	9860.5	9876.9	10405.8	10934.5	10060.1	9185.6
17218.5	50°	15711.1	14203.8	12742.9	11282.0	11279.2	11276.4	11929.4	12582.5	11264.3	9945.9
19952.6	52.5°	18087.8	16222.8	14477.8	12732.7	12812.8	12892.8	13683.5	14474.3	12529.2	10584.1
22633.1	55°	20409.8	18186.4	16244.4	14302.3	14614.0	14925.7	15707.0	16488.4	13650.6	10813.0
25177.4	57.5°	22659.2	20140.9	18179.9	16218.8	16843.9	17469.1	17894.8	18320.2	14445.4	10570.6
28300.6	60°	25604.3	22908.1	21052.2	19196.4	19972.8	20749.2	20088.2	19427.4	14644.0	9860.5
30832.2	62.5°	28267.1	25701.8	24001.6	22301.6	22389.2	22476.7	20670.9	18865.2	13807.7	8750.2
31096.0	65°	28608.7	26121.2	23960.6	21800.1	21464.9	21129.6	19434.8	17740.0	12624.4	7508.8
29268.7	67.5°	26770.6	24272.4	22021.5	19770.4	19613.4	19456.1	17844.2	16232.3	11216.2	6200.1
26393.7	70°	24244.0	22094.2	20081.3	18068.3	17997.8	17927.6	16174.2	14421.0	9679.6	4938.3
22757.4	72.5°	21147.5	19537.4	17962.4	16387.4	16337.0	16286.5	14274.4	12262.4	8013.9	3765.5
18788.0	75°	17654.6	16521.2	15295.8	14070.5	13883.5	13696.6	11614.2	9531.9	6104.4	2676.9
14704.1	77.5°	13900.1	13096.3	12164.8	11233.3	10965.7	10698.1	8754.2	6810.4	4272.5	1734.7
10644.0	80°	10222.0	9799.8	9096.6	8393.1	8060.5	7727.9	6092.7	4457.4	2752.7	1048.1
6890.8	82.5°	6714.8	6538.7	6054.5	5570.3	5198.6	4827.2	3709.0	2591.0	1593.2	595.5
3954.3	85°	3854.3	3754.3	3356.6	2958.7	2642.7	2326.8	1733.4	1140.0	716.7	293.5
1519.2	87.5°	1510.8	1502.3	1303.3	1104.4	928.1	751.8	552.3	352.9	234.7	116.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
4492.0	2.5°	4454.6	4416.8	4379.1	4342.9	4306.8	4271.9	4233.0	4201.5	4170.1	4141.7
4712.8	5°	4635.1	4556.8	4478.7	4405.7	4332.6	4263.7	4195.5	4136.1	4076.5	4026.6
4918.4	7.5°	4799.6	4683.9	4568.2	4466.2	4364.3	4270.2	4182.1	4103.0	4024.0	3958.4
5078.8	10°	4921.9	4781.4	4640.7	4520.2	4399.4	4283.4	4188.7	4105.3	4021.9	3956.2
5189.3	12.5°	5011.3	4845.6	4679.8	4543.4	4407.0	4285.0	4196.9	4128.6	4060.6	4017.0
5258.2	15°	5065.2	4874.3	4683.4	4525.5	4367.6	4232.5	4161.9	4129.2	4096.7	4102.6
5291.2	17.5°	5080.6	4859.0	4637.4	4447.5	4257.6	4098.7	4055.2	4067.2	4079.0	4150.6
5317.0	20°	5085.5	4817.0	4548.5	4313.1	4077.7	3892.7	3881.2	3937.0	3992.8	4117.1
5351.8	22.5°	5092.1	4765.5	4438.8	4155.3	3871.9	3661.3	3683.7	3766.3	3848.9	3990.7
5414.8	25°	5118.0	4714.6	4311.3	3979.2	3647.3	3431.5	3492.2	3587.4	3682.6	3810.1
5513.3	27.5°	5172.2	4680.6	4189.0	3818.2	3447.4	3250.9	3324.8	3416.7	3508.6	3613.5
5640.8	30°	5246.4	4664.7	4082.6	3683.6	3284.5	3119.6	3177.5	3250.4	3323.6	3410.6
5774.0	32.5°	5310.4	4645.0	3979.2	3567.5	3155.7	3022.7	3048.5	3091.7	3134.8	3204.3
5925.6	35°	5357.4	4607.9	3858.7	3453.4	3048.2	2937.4	2926.7	2938.5	2950.5	3003.5
6095.5	37.5°	5385.3	4544.4	3703.4	3319.2	2934.9	2838.1	2799.0	2785.9	2772.7	2810.8
6311.2	40°	5402.8	4456.9	3511.1	3159.0	2806.9	2719.1	2659.1	2629.4	2599.7	2627.1
6593.4	42.5°	5436.2	4366.6	3297.3	2982.2	2667.0	2586.1	2510.6	2471.2	2431.8	2454.1
6964.7	45°	5494.8	4282.7	3070.8	2794.4	2518.0	2435.9	2362.9	2324.5	2286.2	2304.9
7360.3	47.5°	5535.0	4213.4	2891.9	2645.9	2399.8	2293.9	2231.1	2198.9	2166.7	2184.4
7727.3	50°	5508.7	4137.9	2767.2	2547.2	2327.2	2188.1	2115.0	2086.4	2058.0	2085.6
7965.6	52.5°	5347.0	4010.4	2673.9	2482.2	2290.6	2130.6	2028.5	2000.3	1972.2	2013.7
7913.1	55°	5013.0	3799.0	2585.0	2435.1	2285.2	2136.3	1982.5	1937.9	1893.4	1952.3
7543.4	57.5°	4516.4	3500.9	2485.2	2379.3	2273.4	2142.1	1955.0	1890.0	1825.0	1888.3
6855.5	60°	3850.5	3113.8	2377.1	2293.9	2210.7	2124.0	1929.0	1844.8	1760.5	1816.1
5925.3	62.5°	3100.4	2650.6	2200.9	2145.5	2090.4	2079.7	1898.8	1793.4	1688.2	1723.5
4976.2	65°	2443.8	2233.8	2023.9	1997.8	1971.7	1973.0	1835.1	1723.2	1611.1	1624.7
4046.5	67.5°	1892.9	1833.3	1773.6	1788.2	1802.6	1799.0	1721.6	1628.3	1535.1	1530.8
3186.1	70°	1433.8	1450.9	1467.8	1535.4	1602.9	1602.9	1577.4	1511.1	1444.8	1430.0
2435.7	72.5°	1106.0	1157.4	1208.9	1304.8	1400.5	1416.6	1416.9	1371.4	1326.0	1304.3
1767.8	75°	858.8	905.4	952.0	1059.4	1166.7	1240.9	1234.7	1199.7	1164.6	1143.9
1197.9	77.5°	661.2	692.9	724.7	828.9	933.2	1055.5	1052.2	1024.1	996.0	975.0
771.8	80°	495.7	508.8	522.0	610.3	698.4	844.5	844.0	820.6	796.9	779.4
474.7	82.5°	354.2	356.5	359.1	424.2	489.2	613.9	620.8	609.3	597.8	585.3
253.8	85°	214.2	213.1	211.7	259.3	307.0	399.7	408.7	396.4	384.1	370.1
105.2	87.5°	93.9	92.7	91.6	111.0	130.5	169.1	180.6	175.6	170.7	168.1
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°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
4113.5	2.5°	4088.7	4063.9	4039.0	4014.2	3995.0	3975.6	3960.0	3944.4	3932.3	3920.1
3976.9	5°	3932.9	3888.9	3849.0	3809.0	3778.3	3747.4	3725.9	3704.4	3689.2	3673.9
3892.7	7.5°	3837.4	3781.9	3733.0	3684.2	3647.6	3611.2	3585.6	3560.0	3542.4	3525.0
3890.6	10°	3831.0	3771.2	3716.2	3661.3	3617.6	3573.8	3545.2	3516.3	3499.7	3483.2
3973.6	12.5°	3926.7	3880.1	3823.1	3766.3	3710.5	3654.7	3617.8	3580.8	3562.3	3543.9
4108.5	15°	4096.4	4084.3	4034.8	3985.4	3906.0	3826.5	3770.4	3714.3	3688.5	3662.9
4222.1	17.5°	4260.2	4298.1	4258.2	4218.5	4113.3	4008.1	3925.4	3842.6	3804.6	3766.3
4241.5	20°	4321.1	4400.7	4382.3	4363.8	4243.5	4123.3	4021.9	3920.6	3871.9	3822.9
4132.8	22.5°	4236.4	4340.0	4351.2	4362.2	4247.3	4132.3	4028.0	3923.4	3872.0	3820.5
3937.8	25°	4039.8	4141.7	4179.8	4217.7	4123.5	4029.4	3936.5	3843.9	3799.3	3754.8
3718.2	27.5°	3800.0	3881.7	3924.0	3966.6	3899.4	3832.5	3760.4	3688.3	3658.5	3628.4
3497.6	30°	3565.4	3633.3	3667.8	3702.3	3651.2	3600.0	3548.5	3496.6	3481.4	3465.9
3273.9	32.5°	3338.9	3404.0	3442.3	3480.7	3433.7	3386.6	3345.4	3304.2	3294.2	3284.2
3056.4	35°	3120.7	3185.2	3231.2	3277.2	3243.7	3210.3	3172.3	3134.3	3119.1	3104.0
2848.7	37.5°	2912.9	2977.3	3034.1	3090.8	3075.4	3060.0	3025.0	2989.9	2962.2	2934.6
2654.6	40°	2716.6	2778.6	2844.0	2909.5	2913.2	2916.9	2887.1	2857.4	2817.1	2777.0
2476.6	42.5°	2535.4	2594.3	2664.9	2735.5	2754.4	2773.2	2748.1	2723.2	2673.1	2623.0
2324.0	45°	2379.8	2435.6	2508.8	2582.0	2609.1	2636.2	2613.5	2591.0	2533.7	2476.6
2202.0	47.5°	2256.7	2311.2	2383.4	2455.6	2486.8	2518.0	2502.2	2486.5	2435.6	2384.7
2113.4	50°	2164.9	2216.3	2281.0	2345.6	2385.7	2425.7	2424.7	2424.1	2383.4	2342.7
2055.1	52.5°	2102.4	2149.5	2209.7	2270.1	2317.6	2365.0	2373.5	2382.1	2348.9	2315.8
2011.1	55°	2062.0	2112.9	2165.7	2218.4	2268.6	2319.0	2330.9	2342.7	2313.8	2284.9
1951.7	57.5°	2011.4	2071.2	2123.4	2175.7	2226.5	2277.0	2289.0	2301.0	2271.8	2242.5
1871.6	60°	1940.2	2008.8	2061.8	2115.0	2165.9	2216.8	2229.9	2243.0	2214.5	2186.1
1758.8	62.5°	1838.8	1918.9	1975.5	2032.1	2078.7	2125.3	2138.0	2150.6	2124.9	2099.1
1638.2	65°	1723.9	1809.7	1863.9	1918.0	1959.1	2000.1	2013.1	2025.9	2001.1	1976.3
1526.5	67.5°	1605.7	1684.9	1736.3	1787.5	1823.0	1858.4	1871.1	1883.6	1860.7	1838.1
1415.3	70°	1484.9	1554.5	1598.8	1643.1	1675.1	1707.1	1719.3	1731.4	1712.9	1694.3
1282.8	72.5°	1337.6	1392.3	1432.3	1472.4	1503.7	1535.1	1549.5	1564.0	1548.5	1533.1
1123.1	75°	1163.8	1204.5	1240.8	1277.0	1305.6	1334.2	1349.3	1364.4	1356.8	1349.3
954.0	77.5°	987.2	1020.2	1051.3	1082.5	1112.6	1142.4	1156.6	1170.7	1160.2	1149.3
761.6	80°	789.2	816.6	842.9	869.1	892.0	914.6	933.3	952.0	947.4	943.0
572.9	82.5°	570.6	568.3	559.1	549.9	598.5	647.1	678.9	710.7	708.8	706.6
356.2	85°	344.4	332.4	307.0	281.5	327.0	372.6	412.0	451.4	448.1	444.8
165.5	87.5°	165.0	164.5	145.1	125.6	144.6	163.8	179.7	195.7	191.7	187.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
3908.9	2.5°	3897.6	3883.7	3897.6	3908.9	3920.1	3932.3	3944.4	3960.0	3975.6	3995.0
3662.2	5°	3650.6	3639.1	3650.6	3662.2	3673.9	3689.2	3704.4	3725.9	3747.4	3778.3
3514.5	7.5°	3504.2	3496.3	3504.2	3514.5	3525.0	3542.4	3560.0	3585.6	3611.2	3647.6
3474.3	10°	3465.4	3461.8	3465.4	3474.3	3483.2	3499.7	3516.3	3545.2	3573.8	3617.6
3536.3	12.5°	3528.8	3527.5	3528.8	3536.3	3543.9	3562.3	3580.8	3617.8	3654.7	3710.5
3653.0	15°	3643.2	3642.4	3643.2	3653.0	3662.9	3688.5	3714.3	3770.4	3826.5	3906.0
3753.8	17.5°	3741.2	3739.2	3741.2	3753.8	3766.3	3804.6	3842.6	3925.4	4008.1	4113.3
3807.3	20°	3791.7	3786.8	3791.7	3807.3	3822.9	3871.9	3920.6	4021.9	4123.3	4243.5
3803.2	22.5°	3786.0	3778.6	3786.0	3803.2	3820.5	3872.0	3923.4	4028.0	4132.3	4247.3
3738.6	25°	3722.5	3713.0	3722.5	3738.6	3754.8	3799.3	3843.9	3936.5	4029.4	4123.5
3621.0	27.5°	3613.7	3611.2	3613.7	3621.0	3628.4	3658.5	3688.3	3760.4	3832.5	3899.4
3465.9	30°	3465.9	3468.4	3465.9	3465.9	3465.9	3481.4	3496.6	3548.5	3600.0	3651.2
3285.5	32.5°	3287.0	3289.5	3287.0	3285.5	3284.2	3294.2	3304.2	3345.4	3386.6	3433.7
3100.7	35°	3097.4	3095.8	3097.4	3100.7	3104.0	3119.1	3134.3	3172.3	3210.3	3243.7
2920.0	37.5°	2905.4	2897.2	2905.4	2920.0	2934.6	2962.2	2989.9	3025.0	3060.0	3075.4
2749.8	40°	2722.8	2706.8	2722.8	2749.8	2777.0	2817.1	2857.4	2887.1	2916.9	2913.2
2583.5	42.5°	2543.9	2518.0	2543.9	2583.5	2623.0	2673.1	2723.2	2748.1	2773.2	2754.4
2430.2	45°	2383.7	2353.8	2383.7	2430.2	2476.6	2533.7	2591.0	2613.5	2636.2	2609.1
2341.7	47.5°	2298.9	2270.1	2298.9	2341.7	2384.7	2435.6	2486.5	2502.2	2518.0	2486.8
2303.0	50°	2263.2	2235.7	2263.2	2303.0	2342.7	2383.4	2424.1	2424.7	2425.7	2385.7
2280.1	52.5°	2244.7	2219.2	2244.7	2280.1	2315.8	2348.9	2382.1	2373.5	2365.0	2317.6
2253.7	55°	2222.5	2199.5	2222.5	2253.7	2284.9	2313.8	2342.7	2330.9	2319.0	2268.6
2211.7	57.5°	2180.7	2156.9	2180.7	2211.7	2242.5	2271.8	2301.0	2289.0	2277.0	2226.5
2154.2	60°	2122.4	2097.8	2122.4	2154.2	2186.1	2214.5	2243.0	2229.9	2216.8	2165.9
2065.6	62.5°	2032.1	2002.6	2032.1	2065.6	2099.1	2124.9	2150.6	2138.0	2125.3	2078.7
1943.8	65°	1911.5	1886.0	1911.5	1943.8	1976.3	2001.1	2025.9	2013.1	2000.1	1959.1
1807.9	67.5°	1777.7	1754.7	1777.7	1807.9	1838.1	1860.7	1883.6	1871.1	1858.4	1823.0
1665.4	70°	1636.5	1610.3	1636.5	1665.4	1694.3	1712.9	1731.4	1719.3	1707.1	1675.1
1505.5	72.5°	1478.1	1452.7	1478.1	1505.5	1533.1	1548.5	1564.0	1549.5	1535.1	1503.7
1326.1	75°	1303.0	1278.7	1303.0	1326.1	1349.3	1356.8	1364.4	1349.3	1334.2	1305.6
1126.0	77.5°	1102.7	1083.4	1102.7	1126.0	1149.3	1160.2	1170.7	1156.6	1142.4	1112.6
911.7	80°	880.1	843.7	880.1	911.7	943.0	947.4	952.0	933.3	914.6	892.0
680.2	82.5°	653.6	630.3	653.6	680.2	706.6	708.8	710.7	678.9	647.1	598.5
424.2	85°	403.5	382.5	403.5	424.2	444.8	448.1	451.4	412.0	372.6	327.0
176.9	87.5°	166.1	155.9	166.1	176.9	187.5	191.7	195.7	179.7	163.8	144.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
4014.2	2.5°	4039.0	4063.9	4088.7	4113.5	4141.7	4170.1	4201.5	4233.0	4271.9	4306.8
3809.0	5°	3849.0	3888.9	3932.9	3976.9	4026.6	4076.5	4136.1	4195.5	4263.7	4332.6
3684.2	7.5°	3733.0	3781.9	3837.4	3892.7	3958.4	4024.0	4103.0	4182.1	4270.2	4364.3
3661.3	10°	3716.2	3771.2	3831.0	3890.6	3956.2	4021.9	4105.3	4188.7	4283.4	4399.4
3766.3	12.5°	3823.1	3880.1	3926.7	3973.6	4017.0	4060.6	4128.6	4196.9	4285.0	4407.0
3985.4	15°	4034.8	4084.3	4096.4	4108.5	4102.6	4096.7	4129.2	4161.9	4232.5	4367.6
4218.5	17.5°	4258.2	4298.1	4260.2	4222.1	4150.6	4079.0	4067.2	4055.2	4098.7	4257.6
4363.8	20°	4382.3	4400.7	4321.1	4241.5	4117.1	3992.8	3937.0	3881.2	3892.7	4077.7
4362.2	22.5°	4351.2	4340.0	4236.4	4132.8	3990.7	3848.9	3766.3	3683.7	3661.3	3871.9
4217.7	25°	4179.8	4141.7	4039.8	3937.8	3810.1	3682.6	3587.4	3492.2	3431.5	3647.3
3966.6	27.5°	3924.0	3881.7	3800.0	3718.2	3613.5	3508.6	3416.7	3324.8	3250.9	3447.4
3702.3	30°	3667.8	3633.3	3565.4	3497.6	3410.6	3323.6	3250.4	3177.5	3119.6	3284.5
3480.7	32.5°	3442.3	3404.0	3338.9	3273.9	3204.3	3134.8	3091.7	3048.5	3022.7	3155.7
3277.2	35°	3231.2	3185.2	3120.7	3056.4	3003.5	2950.5	2938.5	2926.7	2937.4	3048.2
3090.8	37.5°	3034.1	2977.3	2912.9	2848.7	2810.8	2772.7	2785.9	2799.0	2838.1	2934.9
2909.5	40°	2844.0	2778.6	2716.6	2654.6	2627.1	2599.7	2629.4	2659.1	2719.1	2806.9
2735.5	42.5°	2664.9	2594.3	2535.4	2476.6	2454.1	2431.8	2471.2	2510.6	2586.1	2667.0
2582.0	45°	2508.8	2435.6	2379.8	2324.0	2304.9	2286.2	2324.5	2362.9	2435.9	2518.0
2455.6	47.5°	2383.4	2311.2	2256.7	2202.0	2184.4	2166.7	2198.9	2231.1	2293.9	2399.8
2345.6	50°	2281.0	2216.3	2164.9	2113.4	2085.6	2058.0	2086.4	2115.0	2188.1	2327.2
2270.1	52.5°	2209.7	2149.5	2102.4	2055.1	2013.7	1972.2	2000.3	2028.5	2130.6	2290.6
2218.4	55°	2165.7	2112.9	2062.0	2011.1	1952.3	1893.4	1937.9	1982.5	2136.3	2285.2
2175.7	57.5°	2123.4	2071.2	2011.4	1951.7	1888.3	1825.0	1890.0	1955.0	2142.1	2273.4
2115.0	60°	2061.8	2008.8	1940.2	1871.6	1816.1	1760.5	1844.8	1929.0	2124.0	2210.7
2032.1	62.5°	1975.5	1918.9	1838.8	1758.8	1723.5	1688.2	1793.4	1898.8	2079.7	2090.4
1918.0	65°	1863.9	1809.7	1723.9	1638.2	1624.7	1611.1	1723.2	1835.1	1973.0	1971.7
1787.5	67.5°	1736.3	1684.9	1605.7	1526.5	1530.8	1535.1	1628.3	1721.6	1799.0	1802.6
1643.1	70°	1598.8	1554.5	1484.9	1415.3	1430.0	1444.8	1511.1	1577.4	1602.9	1602.9
1472.4	72.5°	1432.3	1392.3	1337.6	1282.8	1304.3	1326.0	1371.4	1416.9	1416.6	1400.5
1277.0	75°	1240.8	1204.5	1163.8	1123.1	1143.9	1164.6	1199.7	1234.7	1240.9	1166.7
1082.5	77.5°	1051.3	1020.2	987.2	954.0	975.0	996.0	1024.1	1052.2	1055.5	933.2
869.1	80°	842.9	816.6	789.2	761.6	779.4	796.9	820.6	844.0	844.5	698.4
549.9	82.5°	559.1	568.3	570.6	572.9	585.3	597.8	609.3	620.8	613.9	489.2
281.5	85°	307.0	332.4	344.4	356.2	370.1	384.1	396.4	408.7	399.7	307.0
125.6	87.5°	145.1	164.5	165.0	165.5	168.1	170.7	175.6	180.6	169.1	130.5
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°
4277.6	0°	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6	4277.6
4342.9	2.5°	4379.1	4416.8	4454.6	4492.0	4529.6	4564.9	4600.2
4405.7	5°	4478.7	4556.8	4635.1	4712.8	4790.6	4868.5	4946.5
4466.2	7.5°	4568.2	4683.9	4799.6	4918.4	5037.3	5165.8	5294.5
4520.2	10°	4640.7	4781.4	4921.9	5078.8	5235.9	5398.6	5561.2
4543.4	12.5°	4679.8	4845.6	5011.3	5189.3	5367.2	5545.8	5724.6
4525.5	15°	4683.4	4874.3	5065.2	5258.2	5451.3	5637.6	5823.9
4447.5	17.5°	4637.4	4859.0	5080.6	5291.2	5501.8	5690.7	5879.7
4313.1	20°	4548.5	4817.0	5085.5	5317.0	5548.4	5744.9	5941.2
4155.3	22.5°	4438.8	4765.5	5092.1	5351.8	5611.3	5812.0	6012.6
3979.2	25°	4311.3	4714.6	5118.0	5414.8	5711.4	5907.9	6104.6
3818.2	27.5°	4189.0	4680.6	5172.2	5513.3	5854.2	6041.8	6229.3
3683.6	30°	4082.6	4664.7	5246.4	5640.8	6035.3	6216.3	6397.6
3567.5	32.5°	3979.2	4645.0	5310.4	5774.0	6237.5	6416.8	6596.2
3453.4	35°	3858.7	4607.9	5357.4	5925.6	6493.9	6665.8	6837.5
3319.2	37.5°	3703.4	4544.4	5385.3	6095.5	6805.8	7024.7	7243.7
3159.0	40°	3511.1	4456.9	5402.8	6311.2	7219.4	7538.5	7857.6
2982.2	42.5°	3297.3	4366.6	5436.2	6593.4	7750.6	8211.2	8671.8
2794.4	45°	3070.8	4282.7	5494.8	6964.7	8434.6	9055.9	9677.2
2645.9	47.5°	2891.9	4213.4	5535.0	7360.3	9185.6	10060.1	10934.5
2547.2	50°	2767.2	4137.9	5508.7	7727.3	9945.9	11264.3	12582.5
2482.2	52.5°	2673.9	4010.4	5347.0	7965.6	10584.1	12529.2	14474.3
2435.1	55°	2585.0	3799.0	5013.0	7913.1	10813.0	13650.6	16488.4
2379.3	57.5°	2485.2	3500.9	4516.4	7543.4	10570.6	14445.4	18320.2
2293.9	60°	2377.1	3113.8	3850.5	6855.5	9860.5	14644.0	19427.4
2145.5	62.5°	2200.9	2650.6	3100.4	5925.3	8750.2	13807.7	18865.2
1997.8	65°	2023.9	2233.8	2443.8	4976.2	7508.8	12624.4	17740.0
1788.2	67.5°	1773.6	1833.3	1892.9	4046.5	6200.1	11216.2	16232.3
1535.4	70°	1467.8	1450.9	1433.8	3186.1	4938.3	9679.6	14421.0
1304.8	72.5°	1208.9	1157.4	1106.0	2435.7	3765.5	8013.9	12262.4
1059.4	75°	952.0	905.4	858.8	1767.8	2676.9	6104.4	9531.9
828.9	77.5°	724.7	692.9	661.2	1197.9	1734.7	4272.5	6810.4
610.3	80°	522.0	508.8	495.7	771.8	1048.1	2752.7	4457.4
424.2	82.5°	359.1	356.5	354.2	474.7	595.5	1593.2	2591.0
259.3	85°	211.7	213.1	214.2	253.8	293.5	716.7	1140.0
111.0	87.5°	91.6	92.7	93.9	105.2	116.5	234.7	352.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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