

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: P957650

Luminaire Tested: **GALN-SB9D-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957650
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-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66924 lumens
Efficiency: N/A
Efficacy: 101.7 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

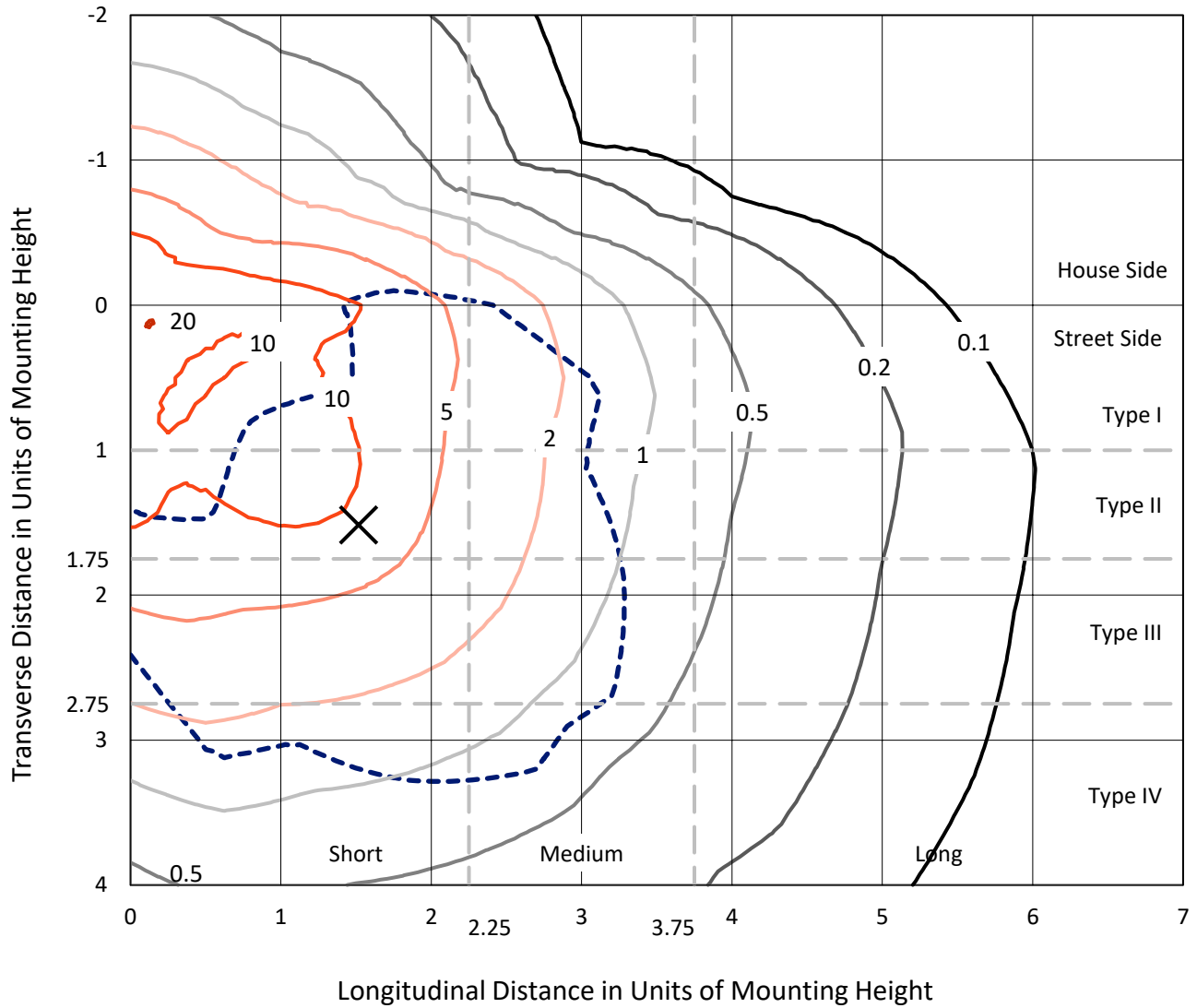
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

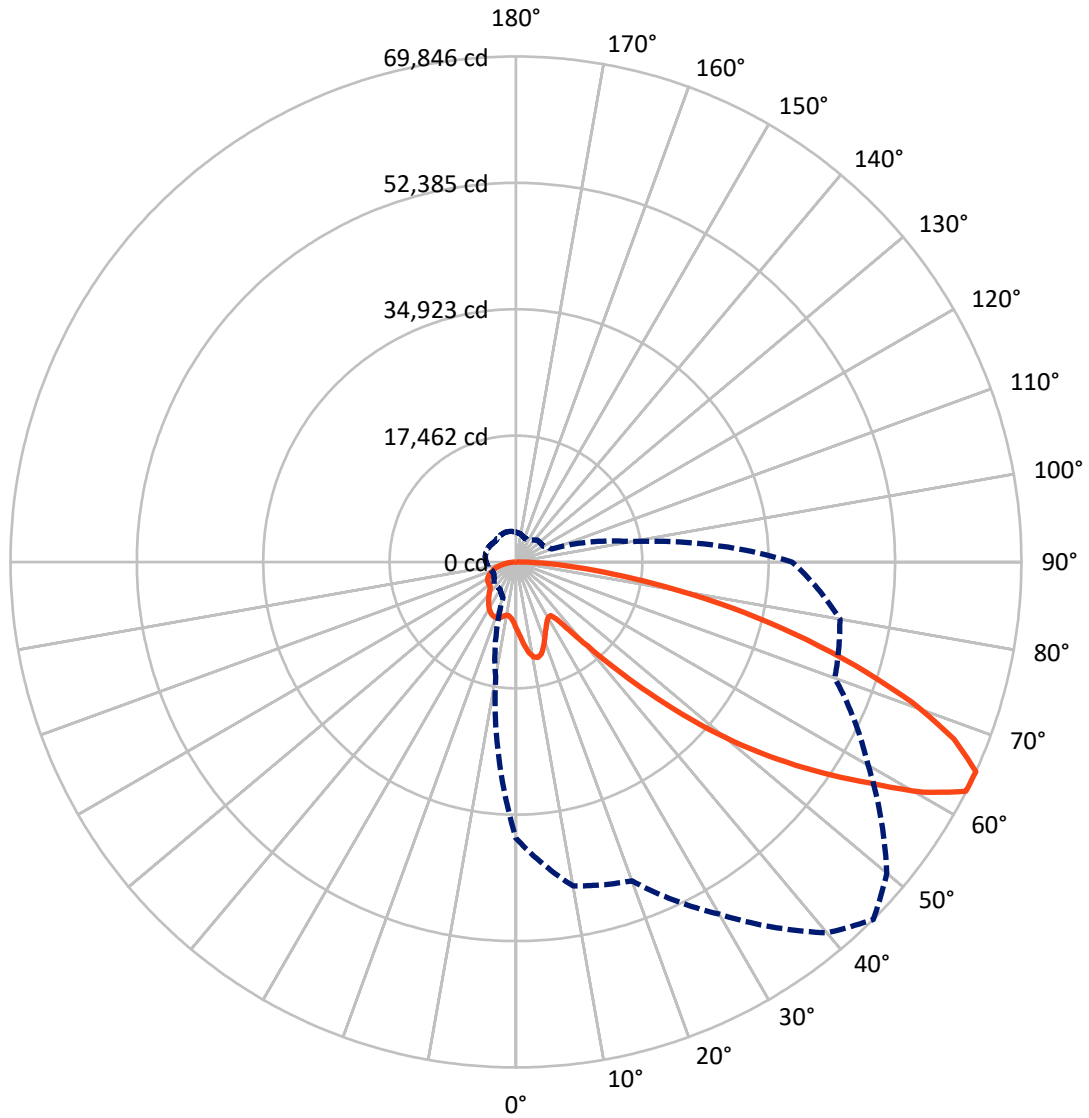
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.4 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	17008.7	0.0	17008.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	49915.3	0.0	49915.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	66924.0	0.0	66924.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.9	1.4
10°-20°	2865.8	4.3
20°-30°	4426.6	6.6
30°-40°	5609.6	8.4
40°-50°	8460.7	12.6
50°-60°	13669.6	20.4
60°-70°	17041.3	25.5
70°-80°	11174.8	16.7
80°-90°	2762.7	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°	66924.0	100.0
0°-180°	66924.0	100.0



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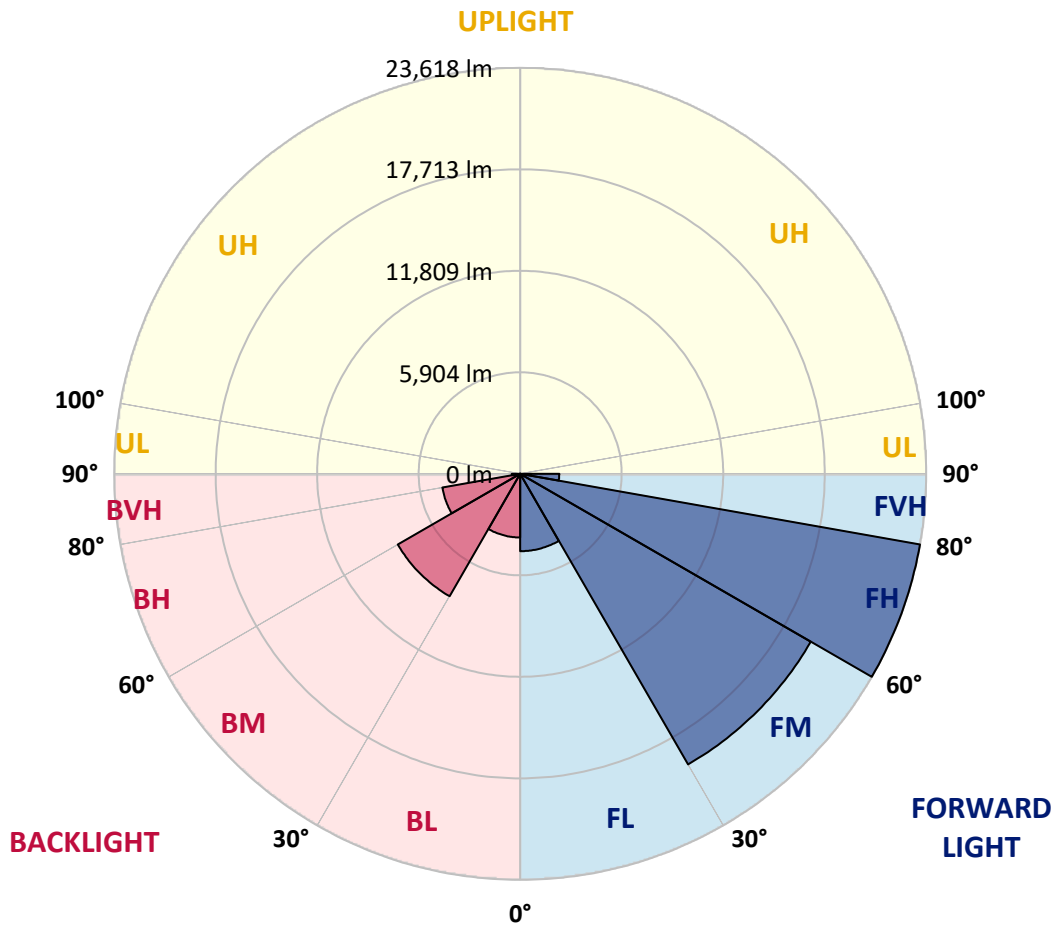
CATALOG NUMBER: GALN-SB9D-940-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4501.4	6.7			
FM (30°-60°)	19520.3	29.2			
FH (60°-80°)	23617.8	35.3			G5
FVH (80°-90°)	2275.9	3.4			G5
BL (0°-30°)	3703.9	5.5	B4/5000		
BM (30°-60°)	8219.7	12.3	B4/8500		
BH (60°-80°)	4598.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	486.8	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°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
2.5°	9896.5	9934.0	9971.7	10025.1	10078.4	10110.2	10142.0	10157.8	10173.7	10166.7
5°	10641.6	10772.7	10904.0	11034.0	11164.3	11234.9	11305.5	11348.3	11391.3	11423.8
7.5°	11390.3	11603.6	11816.5	12008.3	12200.0	12315.5	12431.0	12493.5	12555.6	12585.6
10°	11964.1	12216.3	12468.4	12693.3	12918.3	13054.6	13190.2	13250.9	13311.3	13334.3
12.5°	12315.5	12588.8	12861.8	13065.2	13267.9	13366.8	13465.6	13498.8	13532.0	13535.6
15°	12529.1	12765.0	13000.6	13128.0	13255.9	13259.4	13262.9	13227.6	13192.3	13150.6
17.5°	12649.2	12808.5	12967.7	12970.2	12972.3	12829.3	12686.3	12555.3	12423.9	12331.4
20°	12781.6	12837.1	12892.9	12725.1	12557.4	12241.7	11926.0	11696.1	11466.2	11325.0
22.5°	12935.2	12862.5	12789.7	12442.3	12094.8	11630.4	11166.0	10878.6	10591.1	10435.1
25°	13133.0	12903.5	12673.9	12146.3	11618.8	11054.8	10490.9	10188.6	9887.0	9739.4
27.5°	13401.4	12991.0	12580.3	11881.5	11183.0	10557.9	9932.9	9635.6	9338.6	9199.1
30°	13763.3	13151.4	12539.7	11679.5	10819.3	10168.1	9516.9	9241.1	8965.3	8835.4
32.5°	14190.6	13352.6	12515.0	11541.8	10568.5	9956.6	9344.6	9128.1	8911.3	8817.7
35°	14709.7	13684.2	12659.1	11644.9	10631.0	10205.9	9781.1	9730.6	9680.1	9672.3
37.5°	15583.7	14377.4	13171.1	12249.5	11327.8	11300.2	11272.7	11503.6	11734.6	11854.6
40°	16904.4	15592.6	14280.7	13595.2	12909.8	13393.6	13877.4	14438.9	15000.4	15280.0
42.5°	18656.0	17354.3	16052.7	15657.9	15263.1	16318.2	17373.4	18394.7	19415.9	20015.5
45°	20818.9	19649.7	18480.1	18306.0	18131.6	19822.0	21512.8	23190.9	24869.3	25888.1
47.5°	23523.9	22386.5	21248.7	21213.4	21178.0	23616.8	26054.8	28511.5	30967.9	32410.5
50°	27069.4	25664.2	24259.5	24265.5	24271.5	27414.4	30557.2	33800.1	37042.9	39003.5
52.5°	31139.2	29437.8	27736.8	27564.8	27392.5	31146.6	34900.8	38913.1	42925.0	45275.1
55°	35472.1	33791.2	32110.3	31439.7	30769.1	34947.4	39125.3	43908.5	48691.6	51486.7
57.5°	39413.1	38497.8	37582.1	36237.0	34892.3	39111.2	43330.0	48747.8	54165.2	57631.2
60°	41795.0	43216.7	44638.7	42968.4	41298.1	45290.6	49283.1	55083.7	60884.2	64630.3
62.5°	40585.5	44470.3	48355.1	48166.9	47978.3	51635.7	55293.4	60812.2	66330.6	69793.1
65°	38164.8	41810.9	45456.9	46178.4	46899.5	51547.4	56195.7	61547.1	66898.1	69846.0
67.5°	34921.2	38389.0	41856.8	42195.1	42533.0	47375.9	52218.4	57592.7	62967.0	65276.5
70°	31024.4	34796.2	38568.4	38719.5	38871.0	43201.8	47532.3	52157.3	56781.9	58065.5
72.5°	26380.7	30709.1	35037.8	35146.5	35255.0	38643.3	42031.6	45495.4	48959.0	49088.9
75°	20506.4	24986.2	29466.1	29868.3	30270.5	32906.6	35542.8	37981.1	40419.5	39766.2
77.5°	14651.5	18833.2	23015.4	23591.0	24166.6	26170.6	28174.7	29903.9	31633.6	30510.6
80°	9589.3	13107.6	16625.5	17340.9	18056.4	19569.9	21082.7	21991.0	22898.9	21092.6
82.5°	5574.2	7979.4	10384.9	11184.1	11983.5	13025.3	14067.0	14445.9	14824.5	13404.9
85°	2452.5	3729.1	5005.6	5685.4	6365.2	7221.2	8076.8	8291.9	8507.0	7369.9
87.5°	759.2	1188.3	1617.3	1996.6	2375.9	2803.9	3231.9	3250.2	3268.2	2743.8
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°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
10173.7	2.5°	10157.8	10142.0	10110.2	10078.4	10025.1	9971.7	9934.0	9896.5	9820.6	9744.7
11391.3	5°	11348.3	11305.5	11234.9	11164.3	11034.0	10904.0	10772.7	10641.6	10473.9	10306.2
12555.6	7.5°	12493.5	12431.0	12315.5	12200.0	12008.3	11816.5	11603.6	11390.3	11113.4	10836.9
13311.3	10°	13250.9	13190.2	13054.6	12918.3	12693.3	12468.4	12216.3	11964.1	11614.2	11264.2
13532.0	12.5°	13498.8	13465.6	13366.8	13267.9	13065.2	12861.8	12588.8	12315.5	11930.9	11546.7
13192.3	15°	13227.6	13262.9	13259.4	13255.9	13128.0	13000.6	12765.0	12529.1	12128.3	11727.5
12423.9	17.5°	12555.3	12686.3	12829.3	12972.3	12970.2	12967.7	12808.5	12649.2	12242.7	11836.3
11466.2	20°	11696.1	11926.0	12241.7	12557.4	12725.1	12892.9	12837.1	12781.6	12359.3	11936.6
10591.1	22.5°	10878.6	11166.0	11630.4	12094.8	12442.3	12789.7	12862.5	12935.2	12503.7	12071.8
9887.0	25°	10188.6	10490.9	11054.8	11618.8	12146.3	12673.9	12903.5	13133.0	12709.9	12287.2
9338.6	27.5°	9635.6	9932.9	10557.9	11183.0	11881.5	12580.3	12991.0	13401.4	12998.1	12594.5
8965.3	30°	9241.1	9516.9	10168.1	10819.3	11679.5	12539.7	13151.4	13763.3	13373.5	12984.0
8911.3	32.5°	9128.1	9344.6	9956.6	10568.5	11541.8	12515.0	13352.6	14190.6	13804.6	13419.0
9680.1	35°	9730.6	9781.1	10205.9	10631.0	11644.9	12659.1	13684.2	14709.7	14340.3	13970.6
11734.6	37.5°	11503.6	11272.7	11300.2	11327.8	12249.5	13171.1	14377.4	15583.7	15112.6	14641.6
15000.4	40°	14438.9	13877.4	13393.6	12909.8	13595.2	14280.7	15592.6	16904.4	16218.0	15531.5
19415.9	42.5°	18394.7	17373.4	16318.2	15263.1	15657.9	16052.7	17354.3	18656.0	17665.1	16674.2
24869.3	45°	23190.9	21512.8	19822.0	18131.6	18306.0	18480.1	19649.7	20818.9	19482.3	18145.7
30967.9	47.5°	28511.5	26054.8	23616.8	21178.0	21213.4	21248.7	22386.5	23523.9	21642.8	19761.3
37042.9	50°	33800.1	30557.2	27414.4	24271.5	24265.5	24259.5	25664.2	27069.4	24233.3	21397.0
42925.0	52.5°	38913.1	34900.8	31146.6	27392.5	27564.8	27736.8	29437.8	31139.2	26954.6	22770.0
48691.6	55°	43908.5	39125.3	34947.4	30769.1	31439.7	32110.3	33791.2	35472.1	29367.2	23262.6
54165.2	57.5°	48747.8	43330.0	39111.2	34892.3	36237.0	37582.1	38497.8	39413.1	31077.1	22741.0
60884.2	60°	55083.7	49283.1	45290.6	41298.1	42968.4	44638.7	43216.7	41795.0	31504.3	21213.4
66330.6	62.5°	60812.2	55293.4	51635.7	47978.3	48166.9	48355.1	44470.3	40585.5	29705.1	18824.8
66898.1	65°	61547.1	56195.7	51547.4	46899.5	46178.4	45456.9	41810.9	38164.8	27159.4	16154.0
62967.0	67.5°	57592.7	52218.4	47375.9	42533.0	42195.1	41856.8	38389.0	34921.2	24129.9	13338.5
56781.9	70°	52157.3	47532.3	43201.8	38871.0	38719.5	38568.4	34796.2	31024.4	20824.2	10624.0
48959.0	72.5°	45495.4	42031.6	38643.3	35255.0	35146.5	35037.8	30709.1	26380.7	17240.6	8100.9
40419.5	75°	37981.1	35542.8	32906.6	30270.5	29868.3	29466.1	24986.2	20506.4	13132.6	5758.9
31633.6	77.5°	29903.9	28174.7	26170.6	24166.6	23591.0	23015.4	18833.2	14651.5	9191.7	3731.9
22898.9	80°	21991.0	21082.7	19569.9	18056.4	17340.9	16625.5	13107.6	9589.3	5922.0	2254.7
14824.5	82.5°	14445.9	14067.0	13025.3	11983.5	11184.1	10384.9	7979.4	5574.2	3427.5	1281.2
8507.0	85°	8291.9	8076.8	7221.2	6365.2	5685.4	5005.6	3729.1	2452.5	1541.8	631.4
3268.2	87.5°	3250.2	3231.9	2803.9	2375.9	1996.6	1617.3	1188.3	759.2	505.0	250.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
9663.8	2.5°	9583.3	9502.1	9420.9	9343.2	9265.5	9190.3	9106.6	9038.8	8971.3	8910.2
10138.8	5°	9971.7	9803.3	9635.2	9478.1	9320.9	9172.6	9026.1	8898.2	8770.0	8662.7
10581.3	7.5°	10325.6	10076.6	9827.7	9608.4	9389.1	9186.7	8997.1	8826.9	8657.0	8515.8
10926.3	10°	10588.7	10286.4	9983.8	9724.6	9464.7	9215.0	9011.2	8831.8	8652.4	8511.2
11163.9	12.5°	10781.1	10424.5	10067.8	9774.3	9480.9	9218.5	9028.9	8882.0	8735.8	8641.9
11312.2	15°	10897.0	10486.3	10075.6	9735.9	9396.1	9105.5	8953.7	8883.4	8813.5	8826.2
11383.2	17.5°	10930.1	10453.4	9976.7	9568.1	9159.5	8817.7	8724.1	8749.9	8775.3	8929.3
11438.7	20°	10940.7	10363.0	9785.3	9278.9	8772.5	8374.5	8349.8	8469.9	8589.9	8857.3
11513.5	22.5°	10954.9	10252.1	9549.4	8939.5	8329.7	7876.6	7925.0	8102.6	8280.2	8585.4
11649.1	25°	11010.7	10142.7	9275.0	8560.6	7846.6	7382.2	7512.9	7717.7	7922.5	8196.9
11861.0	27.5°	11127.2	10069.6	9011.9	8214.2	7416.5	6993.8	7152.7	7350.4	7548.2	7773.9
12135.4	30°	11286.8	10035.3	8783.1	7924.6	7066.2	6711.3	6835.9	6992.7	7150.2	7337.4
12421.8	32.5°	11424.5	9992.9	8560.6	7675.0	6789.0	6502.9	6558.4	6651.2	6744.1	6893.5
12748.1	35°	11525.5	9913.1	8301.4	7429.5	6557.7	6319.3	6296.3	6321.8	6347.6	6461.6
13113.6	37.5°	11585.6	9776.5	7967.4	7140.7	6314.0	6105.7	6021.6	5993.4	5965.1	6047.0
13577.6	40°	11623.3	9588.2	7553.5	6796.0	6038.6	5849.6	5720.7	5656.8	5592.9	5651.9
14184.6	42.5°	11695.0	9394.0	7093.7	6415.7	5737.7	5563.6	5401.2	5316.4	5231.7	5279.7
14983.4	45°	11821.1	9213.6	6606.4	6011.7	5417.0	5240.5	5083.3	5000.7	4918.4	4958.7
15834.4	47.5°	11907.6	9064.6	6221.5	5692.1	5162.8	4935.0	4799.8	4730.6	4661.3	4699.5
16624.1	50°	11851.1	8902.1	5953.1	5479.9	5006.7	4707.3	4550.1	4488.7	4427.6	4486.9
17136.8	52.5°	11503.3	8627.7	5752.5	5340.1	4928.0	4583.7	4364.0	4303.3	4242.9	4332.2
17023.8	55°	10784.7	8172.9	5561.1	5238.7	4916.3	4596.0	4265.1	4169.1	4073.4	4200.2
16228.5	57.5°	9716.4	7531.6	5346.4	5118.7	4890.9	4608.4	4205.8	4066.0	3926.1	4062.4
14748.6	60°	8283.8	6698.9	5114.1	4935.0	4756.0	4569.5	4150.0	3968.9	3787.3	3907.1
12747.4	62.5°	6670.0	5702.4	4734.8	4615.8	4497.1	4474.2	4085.0	3858.3	3632.0	3707.9
10705.6	65°	5257.4	4805.8	4354.1	4298.0	4241.8	4244.6	3948.0	3707.2	3466.0	3495.3
8705.4	67.5°	4072.3	3944.1	3815.6	3847.0	3878.1	3870.3	3703.7	3503.1	3302.5	3293.3
6854.3	70°	3084.6	3121.3	3157.7	3303.2	3448.3	3448.3	3393.6	3250.9	3108.3	3076.5
5240.1	72.5°	2379.4	2489.9	2600.8	2807.0	3012.9	3047.5	3048.2	2950.4	2852.6	2806.0
3803.2	75°	1847.6	1947.9	2048.2	2279.1	2510.1	2669.7	2656.3	2581.0	2505.5	2461.0
2577.2	77.5°	1422.4	1490.6	1559.1	1783.3	2007.6	2270.6	2263.6	2203.2	2142.8	2097.6
1660.4	80°	1066.5	1094.7	1123.0	1312.9	1502.6	1816.9	1815.8	1765.3	1714.5	1676.7
1021.3	82.5°	762.1	767.0	772.7	912.5	1052.3	1320.7	1335.5	1310.8	1286.1	1259.3
545.9	85°	460.8	458.4	455.5	557.9	660.4	859.9	879.3	852.8	826.3	796.3
226.4	87.5°	202.0	199.5	197.0	238.7	280.7	363.7	388.4	377.9	367.3	361.6
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
8849.5	2.5°	8796.2	8742.8	8689.2	8635.8	8594.5	8552.9	8519.3	8485.8	8459.6	8433.5
8555.7	5°	8461.0	8366.4	8280.6	8194.4	8128.4	8062.0	8015.7	7969.5	7936.6	7903.8
8374.5	7.5°	8255.5	8136.2	8030.9	7926.1	7847.3	7768.9	7713.8	7658.7	7620.9	7583.5
8369.9	10°	8241.8	8113.2	7994.9	7876.6	7782.7	7688.4	7627.0	7564.8	7529.1	7493.5
8548.6	12.5°	8447.6	8347.3	8224.8	8102.6	7982.6	7862.5	7783.0	7703.6	7663.7	7624.1
8838.9	15°	8812.8	8786.6	8680.3	8574.1	8403.1	8232.2	8111.4	7990.7	7935.2	7880.1
9083.3	17.5°	9165.2	9246.8	9161.0	9075.5	8849.1	8622.8	8444.8	8266.8	8184.9	8102.6
9124.9	20°	9296.2	9467.5	9427.9	9388.0	9129.2	8870.7	8652.4	8434.6	8329.7	8224.5
8891.2	22.5°	9114.0	9336.8	9360.8	9384.5	9137.3	8890.1	8665.5	8440.6	8330.0	8219.2
8471.6	25°	8690.9	8910.2	8992.2	9073.7	8871.0	8668.7	8468.8	8269.7	8173.6	8077.9
7999.2	27.5°	8175.0	8350.9	8442.0	8533.4	8389.0	8244.9	8089.9	7934.9	7870.6	7806.0
7524.5	30°	7670.4	7816.6	7890.7	7964.9	7855.1	7744.9	7634.0	7522.4	7489.6	7456.4
7043.2	32.5°	7183.1	7323.3	7405.5	7488.2	7387.2	7285.8	7197.2	7108.6	7087.0	7065.5
6575.3	35°	6713.8	6852.5	6951.4	7050.3	6978.2	6906.6	6824.6	6743.1	6710.2	6677.7
6128.6	37.5°	6266.7	6405.1	6527.3	6649.5	6616.3	6583.1	6507.9	6432.3	6372.6	6313.3
5710.9	40°	5844.3	5977.8	6118.4	6259.3	6267.4	6275.2	6211.2	6147.3	6060.5	5974.3
5328.1	42.5°	5454.5	5581.3	5733.1	5884.9	5925.6	5966.2	5912.1	5858.5	5750.8	5643.1
4999.6	45°	5119.7	5239.8	5397.3	5554.8	5613.0	5671.3	5622.6	5574.2	5450.9	5328.1
4737.3	47.5°	4854.9	4972.1	5127.5	5282.9	5350.0	5417.0	5383.1	5349.2	5239.8	5130.3
4546.6	50°	4657.5	4768.0	4907.1	5046.3	5132.4	5218.6	5216.5	5215.1	5127.5	5039.9
4421.2	52.5°	4522.9	4624.3	4753.9	4883.8	4985.9	5087.9	5106.3	5124.7	5053.3	4982.0
4326.6	55°	4436.0	4545.5	4659.2	4772.6	4880.6	4989.1	5014.5	5039.9	4977.8	4915.6
4198.7	57.5°	4327.3	4455.8	4568.1	4680.8	4789.9	4898.7	4924.4	4950.2	4887.4	4824.5
4026.4	60°	4174.0	4321.6	4435.7	4550.1	4659.6	4769.1	4797.3	4825.6	4764.1	4703.0
3783.8	62.5°	3955.8	4128.1	4249.9	4371.8	4472.1	4572.4	4599.5	4626.7	4571.3	4515.9
3524.3	65°	3708.6	3893.3	4009.8	4126.4	4214.6	4302.9	4330.8	4358.4	4305.0	4251.7
3284.1	67.5°	3454.3	3624.9	3735.4	3845.6	3921.9	3998.2	4025.4	4052.2	4003.1	3954.4
3044.7	70°	3194.4	3344.2	3439.5	3534.9	3603.7	3672.6	3698.7	3724.8	3684.9	3645.0
2759.7	72.5°	2877.7	2995.3	3081.4	3167.6	3235.0	3302.5	3333.6	3364.6	3331.4	3298.3
2416.1	75°	2503.7	2591.3	2669.3	2747.4	2808.8	2870.3	2902.7	2935.2	2919.0	2902.7
2052.4	77.5°	2123.7	2194.7	2261.8	2328.9	2393.5	2457.8	2488.2	2518.5	2495.9	2472.6
1638.5	80°	1697.9	1756.8	1813.3	1869.8	1918.9	1967.7	2007.9	2048.2	2038.3	2028.7
1232.4	82.5°	1227.5	1222.5	1202.8	1183.0	1287.5	1392.0	1460.6	1529.1	1524.8	1520.2
766.3	85°	740.9	715.1	660.4	605.6	703.4	801.6	886.4	971.1	964.1	957.0
356.0	87.5°	354.9	353.8	312.2	270.1	311.1	352.4	386.7	420.9	412.5	403.3
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°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
8409.5	2.5°	8385.1	8355.1	8385.1	8409.5	8433.5	8459.6	8485.8	8519.3	8552.9	8594.5
7878.7	5°	7853.7	7828.9	7853.7	7878.7	7903.8	7936.6	7969.5	8015.7	8062.0	8128.4
7560.9	7.5°	7538.7	7521.7	7538.7	7560.9	7583.5	7620.9	7658.7	7713.8	7768.9	7847.3
7474.4	10°	7455.3	7447.6	7455.3	7474.4	7493.5	7529.1	7564.8	7627.0	7688.4	7782.7
7607.9	12.5°	7591.6	7588.8	7591.6	7607.9	7624.1	7663.7	7703.6	7783.0	7862.5	7982.6
7859.0	15°	7837.8	7836.0	7837.8	7859.0	7880.1	7935.2	7990.7	8111.4	8232.2	8403.1
8075.8	17.5°	8048.6	8044.4	8048.6	8075.8	8102.6	8184.9	8266.8	8444.8	8622.8	8849.1
8190.9	20°	8157.4	8146.8	8157.4	8190.9	8224.5	8329.7	8434.6	8652.4	8870.7	9129.2
8182.1	22.5°	8145.0	8129.1	8145.0	8182.1	8219.2	8330.0	8440.6	8665.5	8890.1	9137.3
8042.9	25°	8008.3	7987.9	8008.3	8042.9	8077.9	8173.6	8269.7	8468.8	8668.7	8871.0
7790.1	27.5°	7774.2	7768.9	7774.2	7790.1	7806.0	7870.6	7934.9	8089.9	8244.9	8389.0
7456.4	30°	7456.4	7461.7	7456.4	7456.4	7456.4	7489.6	7522.4	7634.0	7744.9	7855.1
7068.3	32.5°	7071.5	7076.8	7071.5	7068.3	7065.5	7087.0	7108.6	7197.2	7285.8	7387.2
6670.7	35°	6663.6	6660.1	6663.6	6670.7	6677.7	6710.2	6743.1	6824.6	6906.6	6978.2
6281.9	37.5°	6250.4	6232.8	6250.4	6281.9	6313.3	6372.6	6432.3	6507.9	6583.1	6616.3
5915.7	40°	5857.8	5823.2	5857.8	5915.7	5974.3	6060.5	6147.3	6211.2	6275.2	6267.4
5557.9	42.5°	5472.8	5417.0	5472.8	5557.9	5643.1	5750.8	5858.5	5912.1	5966.2	5925.6
5228.1	45°	5128.2	5063.9	5128.2	5228.1	5328.1	5450.9	5574.2	5622.6	5671.3	5613.0
5037.8	47.5°	4945.6	4883.8	4945.6	5037.8	5130.3	5239.8	5349.2	5383.1	5417.0	5350.0
4954.4	50°	4869.0	4809.7	4869.0	4954.4	5039.9	5127.5	5215.1	5216.5	5218.6	5132.4
4905.4	52.5°	4829.1	4774.3	4829.1	4905.4	4982.0	5053.3	5124.7	5106.3	5087.9	4985.9
4848.5	55°	4781.4	4732.0	4781.4	4848.5	4915.6	4977.8	5039.9	5014.5	4989.1	4880.6
4758.1	57.5°	4691.4	4640.2	4691.4	4758.1	4824.5	4887.4	4950.2	4924.4	4898.7	4789.9
4634.5	60°	4566.0	4513.0	4566.0	4634.5	4703.0	4764.1	4825.6	4797.3	4769.1	4659.6
4443.8	62.5°	4371.8	4308.2	4371.8	4443.8	4515.9	4571.3	4626.7	4599.5	4572.4	4472.1
4181.8	65°	4112.2	4057.5	4112.2	4181.8	4251.7	4305.0	4358.4	4330.8	4302.9	4214.6
3889.4	67.5°	3824.4	3775.0	3824.4	3889.4	3954.4	4003.1	4052.2	4025.4	3998.2	3921.9
3582.9	70°	3520.7	3464.2	3520.7	3582.9	3645.0	3684.9	3724.8	3698.7	3672.6	3603.7
3238.9	72.5°	3180.0	3125.2	3180.0	3238.9	3298.3	3331.4	3364.6	3333.6	3302.5	3235.0
2853.0	75°	2803.2	2750.9	2803.2	2853.0	2902.7	2919.0	2935.2	2902.7	2870.3	2808.8
2422.5	77.5°	2372.3	2330.7	2372.3	2422.5	2472.6	2495.9	2518.5	2488.2	2457.8	2393.5
1961.3	80°	1893.5	1815.1	1893.5	1961.3	2028.7	2038.3	2048.2	2007.9	1967.7	1918.9
1463.4	82.5°	1406.2	1356.0	1406.2	1463.4	1520.2	1524.8	1529.1	1460.6	1392.0	1287.5
912.5	85°	868.0	822.8	868.0	912.5	957.0	964.1	971.1	886.4	801.6	703.4
380.7	87.5°	357.4	335.5	357.4	380.7	403.3	412.5	420.9	386.7	352.4	311.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
8635.8	2.5°	8689.2	8742.8	8796.2	8849.5	8910.2	8971.3	9038.8	9106.6	9190.3	9265.5
8194.4	5°	8280.6	8366.4	8461.0	8555.7	8662.7	8770.0	8898.2	9026.1	9172.6	9320.9
7926.1	7.5°	8030.9	8136.2	8255.5	8374.5	8515.8	8657.0	8826.9	8997.1	9186.7	9389.1
7876.6	10°	7994.9	8113.2	8241.8	8369.9	8511.2	8652.4	8831.8	9011.2	9215.0	9464.7
8102.6	12.5°	8224.8	8347.3	8447.6	8548.6	8641.9	8735.8	8882.0	9028.9	9218.5	9480.9
8574.1	15°	8680.3	8786.6	8812.8	8838.9	8826.2	8813.5	8883.4	8953.7	9105.5	9396.1
9075.5	17.5°	9161.0	9246.8	9165.2	9083.3	8929.3	8775.3	8749.9	8724.1	8817.7	9159.5
9388.0	20°	9427.9	9467.5	9296.2	9124.9	8857.3	8589.9	8469.9	8349.8	8374.5	8772.5
9384.5	22.5°	9360.8	9336.8	9114.0	8891.2	8585.4	8280.2	8102.6	7925.0	7876.6	8329.7
9073.7	25°	8992.2	8910.2	8690.9	8471.6	8196.9	7922.5	7717.7	7512.9	7382.2	7846.6
8533.4	27.5°	8442.0	8350.9	8175.0	7999.2	7773.9	7548.2	7350.4	7152.7	6993.8	7416.5
7964.9	30°	7890.7	7816.6	7670.4	7524.5	7337.4	7150.2	6992.7	6835.9	6711.3	7066.2
7488.2	32.5°	7405.5	7323.3	7183.1	7043.2	6893.5	6744.1	6651.2	6558.4	6502.9	6789.0
7050.3	35°	6951.4	6852.5	6713.8	6575.3	6461.6	6347.6	6321.8	6296.3	6319.3	6557.7
6649.5	37.5°	6527.3	6405.1	6266.7	6128.6	6047.0	5965.1	5993.4	6021.6	6105.7	6314.0
6259.3	40°	6118.4	5977.8	5844.3	5710.9	5651.9	5592.9	5656.8	5720.7	5849.6	6038.6
5884.9	42.5°	5733.1	5581.3	5454.5	5328.1	5279.7	5231.7	5316.4	5401.2	5563.6	5737.7
5554.8	45°	5397.3	5239.8	5119.7	4999.6	4958.7	4918.4	5000.7	5083.3	5240.5	5417.0
5282.9	47.5°	5127.5	4972.1	4854.9	4737.3	4699.5	4661.3	4730.6	4799.8	4935.0	5162.8
5046.3	50°	4907.1	4768.0	4657.5	4546.6	4486.9	4427.6	4488.7	4550.1	4707.3	5006.7
4883.8	52.5°	4753.9	4624.3	4522.9	4421.2	4332.2	4242.9	4303.3	4364.0	4583.7	4928.0
4772.6	55°	4659.2	4545.5	4436.0	4326.6	4200.2	4073.4	4169.1	4265.1	4596.0	4916.3
4680.8	57.5°	4568.1	4455.8	4327.3	4198.7	4062.4	3926.1	4066.0	4205.8	4608.4	4890.9
4550.1	60°	4435.7	4321.6	4174.0	4026.4	3907.1	3787.3	3968.9	4150.0	4569.5	4756.0
4371.8	62.5°	4249.9	4128.1	3955.8	3783.8	3707.9	3632.0	3858.3	4085.0	4474.2	4497.1
4126.4	65°	4009.8	3893.3	3708.6	3524.3	3495.3	3466.0	3707.2	3948.0	4244.6	4241.8
3845.6	67.5°	3735.4	3624.9	3454.3	3284.1	3293.3	3302.5	3503.1	3703.7	3870.3	3878.1
3534.9	70°	3439.5	3344.2	3194.4	3044.7	3076.5	3108.3	3250.9	3393.6	3448.3	3448.3
3167.6	72.5°	3081.4	2995.3	2877.7	2759.7	2806.0	2852.6	2950.4	3048.2	3047.5	3012.9
2747.4	75°	2669.3	2591.3	2503.7	2416.1	2461.0	2505.5	2581.0	2656.3	2669.7	2510.1
2328.9	77.5°	2261.8	2194.7	2123.7	2052.4	2097.6	2142.8	2203.2	2263.6	2270.6	2007.6
1869.8	80°	1813.3	1756.8	1697.9	1638.5	1676.7	1714.5	1765.3	1815.8	1816.9	1502.6
1183.0	82.5°	1202.8	1222.5	1227.5	1232.4	1259.3	1286.1	1310.8	1335.5	1320.7	1052.3
605.6	85°	660.4	715.1	740.9	766.3	796.3	826.3	852.8	879.3	859.9	660.4
270.1	87.5°	312.2	353.8	354.9	356.0	361.6	367.3	377.9	388.4	363.7	280.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
9202.6	0°	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6	9202.6
9343.2	2.5°	9420.9	9502.1	9583.3	9663.8	9744.7	9820.6	9896.5
9478.1	5°	9635.2	9803.3	9971.7	10138.8	10306.2	10473.9	10641.6
9608.4	7.5°	9827.7	10076.6	10325.6	10581.3	10836.9	11113.4	11390.3
9724.6	10°	9983.8	10286.4	10588.7	10926.3	11264.2	11614.2	11964.1
9774.3	12.5°	10067.8	10424.5	10781.1	11163.9	11546.7	11930.9	12315.5
9735.9	15°	10075.6	10486.3	10897.0	11312.2	11727.5	12128.3	12529.1
9568.1	17.5°	9976.7	10453.4	10930.1	11383.2	11836.3	12242.7	12649.2
9278.9	20°	9785.3	10363.0	10940.7	11438.7	11936.6	12359.3	12781.6
8939.5	22.5°	9549.4	10252.1	10954.9	11513.5	12071.8	12503.7	12935.2
8560.6	25°	9275.0	10142.7	11010.7	11649.1	12287.2	12709.9	13133.0
8214.2	27.5°	9011.9	10069.6	11127.2	11861.0	12594.5	12998.1	13401.4
7924.6	30°	8783.1	10035.3	11286.8	12135.4	12984.0	13373.5	13763.3
7675.0	32.5°	8560.6	9992.9	11424.5	12421.8	13419.0	13804.6	14190.6
7429.5	35°	8301.4	9913.1	11525.5	12748.1	13970.6	14340.3	14709.7
7140.7	37.5°	7967.4	9776.5	11585.6	13113.6	14641.6	15112.6	15583.7
6796.0	40°	7553.5	9588.2	11623.3	13577.6	15531.5	16218.0	16904.4
6415.7	42.5°	7093.7	9394.0	11695.0	14184.6	16674.2	17665.1	18656.0
6011.7	45°	6606.4	9213.6	11821.1	14983.4	18145.7	19482.3	20818.9
5692.1	47.5°	6221.5	9064.6	11907.6	15834.4	19761.3	21642.8	23523.9
5479.9	50°	5953.1	8902.1	11851.1	16624.1	21397.0	24233.3	27069.4
5340.1	52.5°	5752.5	8627.7	11503.3	17136.8	22770.0	26954.6	31139.2
5238.7	55°	5561.1	8172.9	10784.7	17023.8	23262.6	29367.2	35472.1
5118.7	57.5°	5346.4	7531.6	9716.4	16228.5	22741.0	31077.1	39413.1
4935.0	60°	5114.1	6698.9	8283.8	14748.6	21213.4	31504.3	41795.0
4615.8	62.5°	4734.8	5702.4	6670.0	12747.4	18824.8	29705.1	40585.5
4298.0	65°	4354.1	4805.8	5257.4	10705.6	16154.0	27159.4	38164.8
3847.0	67.5°	3815.6	3944.1	4072.3	8705.4	13338.5	24129.9	34921.2
3303.2	70°	3157.7	3121.3	3084.6	6854.3	10624.0	20824.2	31024.4
2807.0	72.5°	2600.8	2489.9	2379.4	5240.1	8100.9	17240.6	26380.7
2279.1	75°	2048.2	1947.9	1847.6	3803.2	5758.9	13132.6	20506.4
1783.3	77.5°	1559.1	1490.6	1422.4	2577.2	3731.9	9191.7	14651.5
1312.9	80°	1123.0	1094.7	1066.5	1660.4	2254.7	5922.0	9589.3
912.5	82.5°	772.7	767.0	762.1	1021.3	1281.2	3427.5	5574.2
557.9	85°	455.5	458.4	460.8	545.9	631.4	1541.8	2452.5
238.7	87.5°	197.0	199.5	202.0	226.4	250.7	505.0	759.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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