

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: P956579

Luminaire Tested: **GALN-SB9A-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956579
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-SB9A-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29501 lumens
Efficiency: N/A
Efficacy: 115.5 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

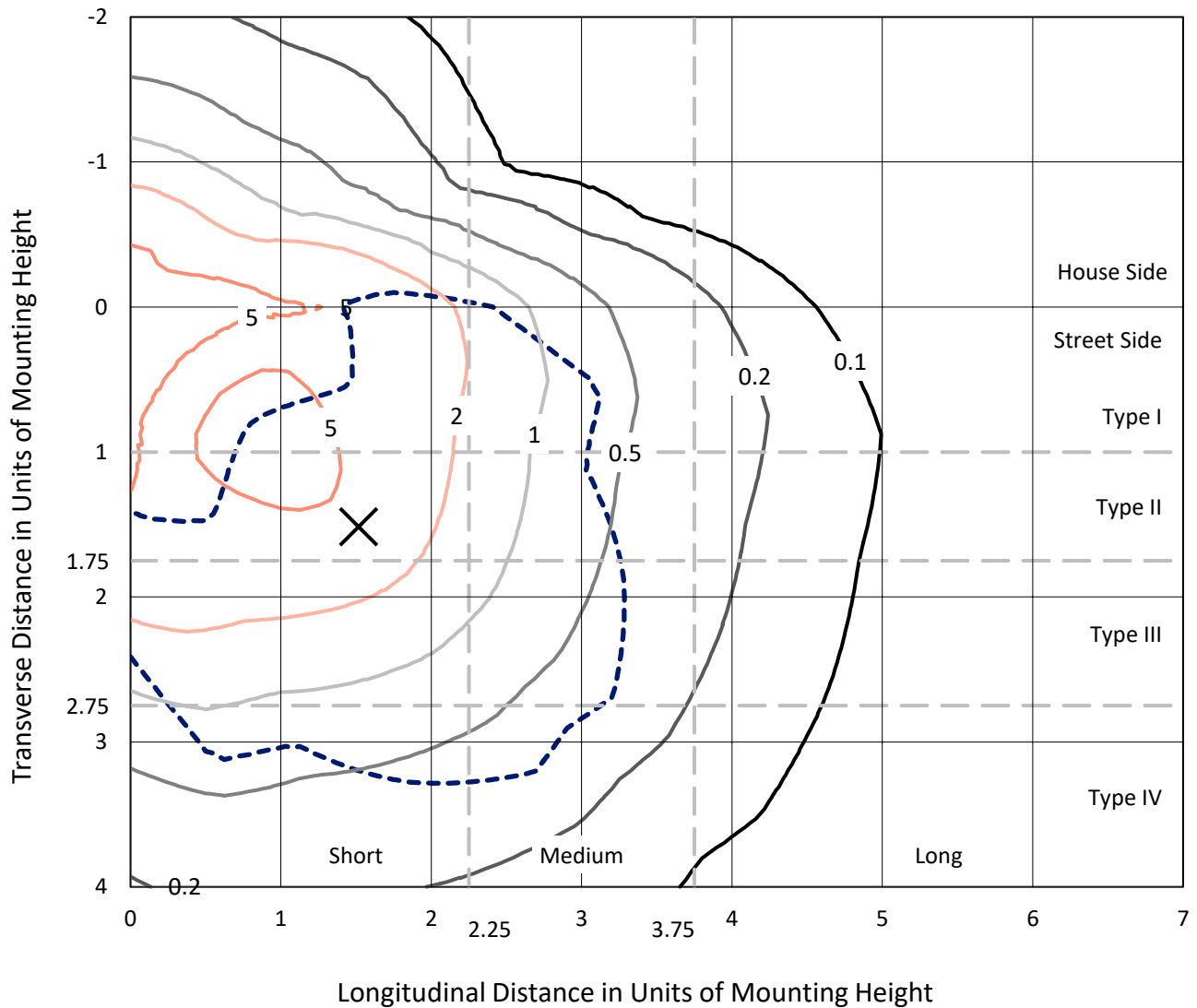
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

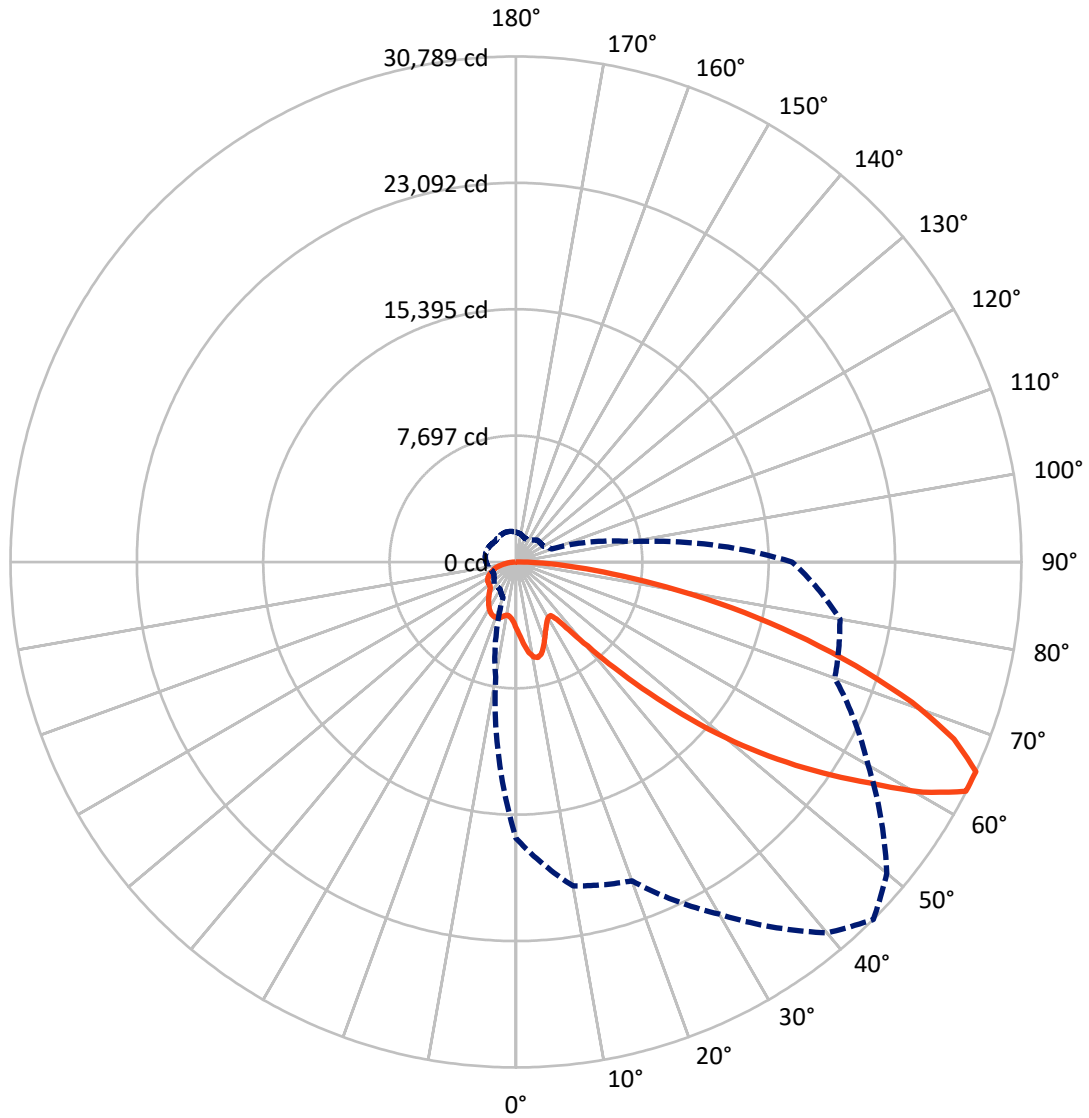
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	7497.7	0.0	7497.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22003.3	0.0	22003.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	29501.0	0.0	29501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	1.4
10°-20°	1263.3	4.3
20°-30°	1951.3	6.6
30°-40°	2472.8	8.4
40°-50°	3729.6	12.6
50°-60°	6025.7	20.4
60°-70°	7512.0	25.5
70°-80°	4926.0	16.7
80°-90°	1217.8	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°	29501.0	100.0
0°-180°	29501.0	100.0

Coefficient of Utilization



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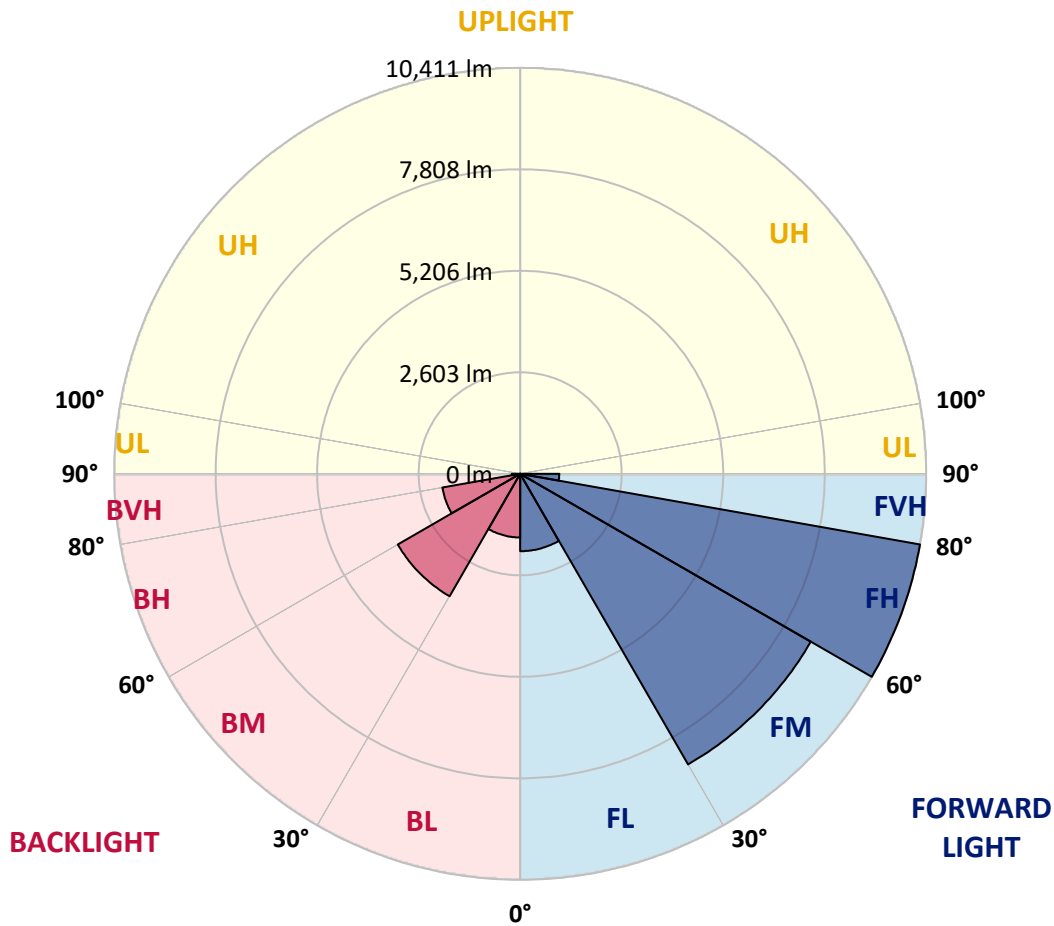
CATALOG NUMBER: GALN-SB9A-940-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1984.3	6.7			
FM (30°-60°)	8604.8	29.2			
FH (60°-80°)	10411.0	35.3			G4/12000
FVH (80°-90°)	1003.2	3.4			G5
BL (0°-30°)	1632.7	5.5	B3/2500		
BM (30°-60°)	3623.3	12.3	B3/5000		
BH (60°-80°)	2027.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	214.6	0.7			G2/225
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°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
2.5°	4362.5	4379.0	4395.7	4419.2	4442.7	4456.7	4470.7	4477.7	4484.7	4481.6
5°	4691.0	4748.7	4806.6	4863.9	4921.4	4952.5	4983.6	5002.5	5021.5	5035.8
7.5°	5021.0	5115.0	5208.9	5293.4	5377.9	5428.8	5479.7	5507.3	5534.7	5547.9
10°	5273.9	5385.1	5496.2	5595.4	5694.6	5754.6	5814.4	5841.2	5867.8	5877.9
12.5°	5428.8	5549.3	5669.6	5759.3	5848.7	5892.2	5935.8	5950.5	5965.1	5966.7
15°	5523.0	5627.0	5730.8	5787.0	5843.4	5844.9	5846.5	5830.9	5815.3	5797.0
17.5°	5575.9	5646.1	5716.3	5717.4	5718.4	5655.3	5592.3	5534.5	5476.6	5435.8
20°	5634.3	5658.8	5683.3	5609.4	5535.5	5396.3	5257.1	5155.8	5054.5	4992.2
22.5°	5702.0	5670.0	5637.9	5484.7	5331.5	5126.8	4922.1	4795.4	4668.7	4599.9
25°	5789.2	5688.0	5586.8	5354.3	5121.7	4873.1	4624.5	4491.3	4358.3	4293.3
27.5°	5907.5	5726.6	5545.6	5237.5	4929.6	4654.1	4378.6	4247.5	4116.6	4055.1
30°	6067.1	5797.3	5527.7	5148.5	4769.3	4482.2	4195.2	4073.6	3952.0	3894.7
32.5°	6255.4	5886.0	5516.8	5087.8	4658.8	4389.0	4119.2	4023.8	3928.2	3887.0
35°	6484.2	6032.2	5580.3	5133.2	4686.3	4498.9	4311.6	4289.4	4267.1	4263.7
37.5°	6869.5	6337.8	5806.0	5399.7	4993.4	4981.3	4969.2	5071.0	5172.8	5225.7
40°	7451.7	6873.4	6295.1	5993.0	5690.8	5904.1	6117.3	6364.8	6612.4	6735.6
42.5°	8223.8	7650.0	7076.2	6902.2	6728.2	7193.3	7658.4	8108.6	8558.8	8823.1
45°	9177.3	8661.8	8146.3	8069.5	7992.6	8737.8	9483.1	10222.9	10962.7	11411.8
47.5°	10369.7	9868.3	9366.7	9351.1	9335.6	10410.6	11485.3	12568.3	13651.1	14287.0
50°	11932.5	11313.1	10693.9	10696.6	10699.2	12084.6	13470.0	14899.5	16329.0	17193.2
52.5°	13726.6	12976.6	12226.7	12150.9	12075.0	13729.8	15384.7	17153.4	18921.9	19957.9
55°	15636.6	14895.6	14154.7	13859.1	13563.4	15405.3	17247.0	19355.4	21463.9	22696.0
57.5°	17373.8	16970.3	16566.7	15973.8	15381.0	17240.7	19100.5	21488.7	23876.7	25404.6
60°	18423.8	19050.5	19677.4	18941.1	18204.8	19964.7	21724.7	24281.6	26838.6	28489.9
62.5°	17890.6	19603.1	21315.6	21232.6	21149.5	22761.7	24374.1	26806.8	29239.4	30765.7
65°	16823.5	18430.8	20038.0	20356.1	20673.9	22722.8	24771.8	27130.8	29489.6	30789.1
67.5°	15393.8	16922.4	18451.0	18600.2	18749.1	20883.9	23018.6	25387.6	27756.7	28774.8
70°	13676.0	15338.7	17001.5	17068.1	17134.9	19044.0	20952.9	22991.6	25030.2	25596.1
72.5°	11629.0	13537.0	15445.1	15493.1	15540.9	17034.5	18528.1	20055.0	21581.8	21639.1
75°	9039.5	11014.3	12989.0	13166.3	13343.6	14505.7	15667.7	16742.6	17817.5	17529.5
77.5°	6458.6	8301.9	10145.5	10399.2	10653.0	11536.4	12419.8	13182.1	13944.5	13449.5
80°	4227.1	5778.0	7328.7	7644.1	7959.5	8626.7	9293.5	9693.9	10094.1	9297.9
82.5°	2457.2	3517.4	4577.8	4930.1	5282.5	5741.7	6200.9	6368.0	6534.8	5909.1
85°	1081.1	1643.8	2206.6	2506.2	2805.9	3183.2	3560.4	3655.2	3750.0	3248.7
87.5°	334.7	523.8	712.9	880.1	1047.3	1236.0	1424.7	1432.7	1440.7	1209.5
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°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4484.7	2.5°	4477.7	4470.7	4456.7	4442.7	4419.2	4395.7	4379.0	4362.5	4329.1	4295.6
5021.5	5°	5002.5	4983.6	4952.5	4921.4	4863.9	4806.6	4748.7	4691.0	4617.0	4543.1
5534.7	7.5°	5507.3	5479.7	5428.8	5377.9	5293.4	5208.9	5115.0	5021.0	4898.9	4777.1
5867.8	10°	5841.2	5814.4	5754.6	5694.6	5595.4	5496.2	5385.1	5273.9	5119.7	4965.4
5965.1	12.5°	5950.5	5935.8	5892.2	5848.7	5759.3	5669.6	5549.3	5428.8	5259.3	5089.9
5815.3	15°	5830.9	5846.5	5844.9	5843.4	5787.0	5730.8	5627.0	5523.0	5346.3	5169.6
5476.6	17.5°	5534.5	5592.3	5655.3	5718.4	5717.4	5716.3	5646.1	5575.9	5396.8	5217.6
5054.5	20°	5155.8	5257.1	5396.3	5535.5	5609.4	5683.3	5658.8	5634.3	5448.1	5261.8
4668.7	22.5°	4795.4	4922.1	5126.8	5331.5	5484.7	5637.9	5670.0	5702.0	5511.8	5321.4
4358.3	25°	4491.3	4624.5	4873.1	5121.7	5354.3	5586.8	5688.0	5789.2	5602.7	5416.4
4116.6	27.5°	4247.5	4378.6	4654.1	4929.6	5237.5	5545.6	5726.6	5907.5	5729.7	5551.8
3952.0	30°	4073.6	4195.2	4482.2	4769.3	5148.5	5527.7	5797.3	6067.1	5895.2	5723.5
3928.2	32.5°	4023.8	4119.2	4389.0	4658.8	5087.8	5516.8	5886.0	6255.4	6085.3	5915.3
4267.1	35°	4289.4	4311.6	4498.9	4686.3	5133.2	5580.3	6032.2	6484.2	6321.4	6158.4
5172.8	37.5°	5071.0	4969.2	4981.3	4993.4	5399.7	5806.0	6337.8	6869.5	6661.9	6454.2
6612.4	40°	6364.8	6117.3	5904.1	5690.8	5993.0	6295.1	6873.4	7451.7	7149.1	6846.5
8558.8	42.5°	8108.6	7658.4	7193.3	6728.2	6902.2	7076.2	7650.0	8223.8	7787.0	7350.2
10962.7	45°	10222.9	9483.1	8737.8	7992.6	8069.5	8146.3	8661.8	9177.3	8588.1	7998.9
13651.1	47.5°	12568.3	11485.3	10410.6	9335.6	9351.1	9366.7	9868.3	10369.7	9540.4	8711.0
16329.0	50°	14899.5	13470.0	12084.6	10699.2	10696.6	10693.9	11313.1	11932.5	10682.4	9432.1
18921.9	52.5°	17153.4	15384.7	13729.8	12075.0	12150.9	12226.7	12976.6	13726.6	11881.9	10037.3
21463.9	55°	19355.4	17247.0	15405.3	13563.4	13859.1	14154.7	14895.6	15636.6	12945.4	10254.5
23876.7	57.5°	21488.7	19100.5	17240.7	15381.0	15973.8	16566.7	16970.3	17373.8	13699.2	10024.5
26838.6	60°	24281.6	21724.7	19964.7	18204.8	18941.1	19677.4	19050.5	18423.8	13887.5	9351.1
29239.4	62.5°	26806.8	24374.1	22761.7	21149.5	21232.6	21315.6	19603.1	17890.6	13094.4	8298.2
29489.6	65°	27130.8	24771.8	22722.8	20673.9	20356.1	20038.0	18430.8	16823.5	11972.2	7120.9
27756.7	67.5°	25387.6	23018.6	20883.9	18749.1	18600.2	18451.0	16922.4	15393.8	10636.8	5879.8
25030.2	70°	22991.6	20952.9	19044.0	17134.9	17068.1	17001.5	15338.7	13676.0	9179.6	4683.2
21581.8	72.5°	20055.0	18528.1	17034.5	15540.9	15493.1	15445.1	13537.0	11629.0	7599.9	3571.0
17817.5	75°	16742.6	15667.7	14505.7	13343.6	13166.3	12989.0	11014.3	9039.5	5789.0	2538.6
13944.5	77.5°	13182.1	12419.8	11536.4	10653.0	10399.2	10145.5	8301.9	6458.6	4051.8	1645.1
10094.1	80°	9693.9	9293.5	8626.7	7959.5	7644.1	7328.7	5778.0	4227.1	2610.5	993.9
6534.8	82.5°	6368.0	6200.9	5741.7	5282.5	4930.1	4577.8	3517.4	2457.2	1510.9	564.8
3750.0	85°	3655.2	3560.4	3183.2	2805.9	2506.2	2206.6	1643.8	1081.1	679.6	278.3
1440.7	87.5°	1432.7	1424.7	1236.0	1047.3	880.1	712.9	523.8	334.7	222.6	110.5
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°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4259.9	2.5°	4224.4	4188.6	4152.8	4118.6	4084.4	4051.2	4014.3	3984.4	3954.7	3927.8
4469.3	5°	4395.7	4321.4	4247.3	4178.1	4108.8	4043.4	3978.8	3922.5	3866.0	3818.6
4664.4	7.5°	4551.7	4441.9	4332.2	4235.5	4138.8	4049.6	3966.0	3891.0	3816.1	3753.9
4816.4	10°	4667.6	4534.4	4401.0	4286.7	4172.1	4062.1	3972.3	3893.2	3814.1	3751.8
4921.2	12.5°	4752.5	4595.2	4438.0	4308.7	4179.3	4063.6	3980.1	3915.3	3850.9	3809.4
4986.6	15°	4803.5	4622.5	4441.4	4291.7	4141.9	4013.8	3946.9	3915.9	3885.1	3890.7
5017.9	17.5°	4818.2	4608.0	4397.9	4217.8	4037.7	3887.0	3845.7	3857.1	3868.3	3936.2
5042.3	20°	4822.8	4568.2	4313.5	4090.3	3867.0	3691.6	3680.7	3733.6	3786.6	3904.4
5075.3	22.5°	4829.1	4519.3	4209.5	3940.7	3671.8	3472.1	3493.4	3571.7	3650.0	3784.5
5135.1	25°	4853.6	4471.0	4088.6	3773.6	3458.9	3254.2	3311.8	3402.1	3492.4	3613.3
5228.5	27.5°	4905.0	4438.8	3972.6	3620.9	3269.3	3083.0	3153.0	3240.2	3327.3	3426.8
5349.4	30°	4975.4	4423.7	3871.7	3493.3	3114.9	2958.4	3013.4	3082.5	3151.9	3234.4
5475.7	32.5°	5036.1	4405.0	3773.6	3383.2	2992.7	2866.6	2891.0	2932.0	2972.9	3038.7
5619.5	35°	5080.6	4369.8	3659.4	3275.0	2890.7	2785.6	2775.5	2786.7	2798.1	2848.4
5780.6	37.5°	5107.1	4309.6	3512.1	3147.7	2783.3	2691.5	2654.4	2642.0	2629.5	2665.6
5985.2	40°	5123.7	4226.6	3329.7	2995.8	2661.9	2578.6	2521.8	2493.6	2465.4	2491.4
6252.8	42.5°	5155.3	4141.0	3127.0	2828.1	2529.3	2452.5	2380.9	2343.5	2306.2	2327.4
6604.9	45°	5210.9	4061.5	2912.2	2650.0	2387.9	2310.1	2240.8	2204.4	2168.1	2185.9
6980.0	47.5°	5249.0	3995.8	2742.5	2509.2	2275.8	2175.4	2115.8	2085.3	2054.8	2071.6
7328.1	50°	5224.1	3924.2	2624.2	2415.6	2207.0	2075.0	2005.7	1978.7	1951.7	1977.9
7554.1	52.5°	5070.8	3803.2	2535.8	2354.0	2172.3	2020.5	1923.7	1896.9	1870.3	1909.7
7504.3	55°	4754.0	3602.7	2451.4	2309.3	2167.2	2026.0	1880.1	1837.8	1795.6	1851.5
7153.8	57.5°	4283.1	3320.0	2356.8	2256.4	2156.0	2031.4	1854.0	1792.3	1730.7	1790.8
6501.4	60°	3651.6	2953.0	2254.3	2175.4	2096.5	2014.3	1829.4	1749.5	1669.5	1722.3
5619.2	62.5°	2940.2	2513.7	2087.2	2034.7	1982.4	1972.3	1800.7	1700.8	1601.0	1634.5
4719.2	65°	2317.5	2118.5	1919.4	1894.6	1869.9	1871.1	1740.3	1634.2	1527.9	1540.8
3837.5	67.5°	1795.1	1738.6	1682.0	1695.8	1709.5	1706.1	1632.6	1544.2	1455.8	1451.7
3021.5	70°	1359.7	1375.9	1392.0	1456.1	1520.1	1520.1	1495.9	1433.1	1370.2	1356.2
2309.9	72.5°	1048.9	1097.6	1146.5	1237.4	1328.1	1343.4	1343.7	1300.6	1257.5	1236.9
1676.5	75°	814.4	858.7	902.9	1004.7	1106.5	1176.8	1170.9	1137.8	1104.4	1084.8
1136.0	77.5°	627.0	657.1	687.3	786.1	885.0	1000.9	997.8	971.2	944.6	924.7
731.9	80°	470.1	482.6	495.0	578.8	662.4	800.9	800.4	778.2	755.8	739.1
450.2	82.5°	335.9	338.1	340.6	402.2	463.9	582.2	588.7	577.8	566.9	555.1
240.7	85°	203.1	202.1	200.8	246.0	291.1	379.0	387.6	375.9	364.3	351.0
99.8	87.5°	89.0	88.0	86.9	105.2	123.8	160.3	171.2	166.6	161.9	159.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3901.0	2.5°	3877.5	3854.0	3830.3	3806.8	3788.6	3770.2	3755.4	3740.6	3729.1	3717.6
3771.5	5°	3729.7	3688.0	3650.2	3612.2	3583.1	3553.8	3533.5	3513.1	3498.6	3484.1
3691.6	7.5°	3639.1	3586.5	3540.1	3493.9	3459.2	3424.6	3400.4	3376.1	3359.4	3342.9
3689.6	10°	3633.1	3576.4	3524.3	3472.1	3430.7	3389.1	3362.1	3334.7	3318.9	3303.2
3768.3	12.5°	3723.8	3679.6	3625.6	3571.7	3518.8	3465.9	3430.9	3395.8	3378.3	3360.8
3896.3	15°	3884.8	3873.3	3826.4	3779.6	3704.2	3628.9	3575.6	3522.4	3498.0	3473.7
4004.0	17.5°	4040.1	4076.1	4038.3	4000.6	3900.8	3801.0	3722.6	3644.1	3608.0	3571.7
4022.4	20°	4097.9	4173.4	4156.0	4138.4	4024.3	3910.3	3814.1	3718.1	3671.8	3625.4
3919.3	22.5°	4017.6	4115.8	4126.4	4136.8	4027.8	3918.9	3819.9	3720.7	3672.0	3623.1
3734.4	25°	3831.1	3927.8	3963.9	3999.8	3910.5	3821.3	3733.2	3645.4	3603.0	3560.8
3526.1	27.5°	3603.7	3681.2	3721.3	3761.7	3698.0	3634.5	3566.1	3497.8	3469.5	3441.0
3316.9	30°	3381.2	3445.7	3478.3	3511.0	3462.6	3414.1	3365.2	3316.0	3301.5	3286.9
3104.7	32.5°	3166.4	3228.2	3264.5	3300.9	3256.4	3211.7	3172.6	3133.5	3124.0	3114.6
2898.5	35°	2959.5	3020.7	3064.3	3107.9	3076.1	3044.5	3008.4	2972.4	2958.0	2943.6
2701.6	37.5°	2762.4	2823.5	2877.3	2931.2	2916.5	2901.9	2868.8	2835.4	2809.1	2783.0
2517.4	40°	2576.3	2635.1	2697.1	2759.2	2762.8	2766.2	2738.0	2709.8	2671.5	2633.5
2348.7	42.5°	2404.4	2460.3	2527.2	2594.2	2612.1	2630.0	2606.2	2582.5	2535.0	2487.5
2203.9	45°	2256.8	2309.8	2379.2	2448.6	2474.3	2500.0	2478.5	2457.2	2402.9	2348.7
2088.3	47.5°	2140.1	2191.8	2260.3	2328.8	2358.3	2387.9	2373.0	2358.0	2309.8	2261.5
2004.2	50°	2053.1	2101.8	2163.1	2224.5	2262.4	2300.4	2299.5	2298.9	2260.3	2221.7
1948.9	52.5°	1993.8	2038.4	2095.6	2152.9	2197.8	2242.8	2250.9	2259.0	2227.6	2196.1
1907.2	55°	1955.5	2003.7	2053.8	2103.8	2151.5	2199.2	2210.4	2221.7	2194.3	2166.9
1850.9	57.5°	1907.5	1964.2	2013.7	2063.3	2111.4	2159.4	2170.8	2182.1	2154.4	2126.7
1774.9	60°	1840.0	1905.0	1955.3	2005.7	2054.0	2102.3	2114.7	2127.2	2100.1	2073.2
1668.0	62.5°	1743.8	1819.7	1873.4	1927.1	1971.3	2015.6	2027.5	2039.5	2015.1	1990.6
1553.5	65°	1634.8	1716.2	1767.6	1819.0	1857.9	1896.8	1909.1	1921.2	1897.7	1874.2
1447.7	67.5°	1522.7	1597.9	1646.6	1695.2	1728.8	1762.4	1774.4	1786.3	1764.6	1743.1
1342.1	70°	1408.1	1474.2	1516.2	1558.2	1588.6	1618.9	1630.4	1642.0	1624.4	1606.8
1216.5	72.5°	1268.5	1320.4	1358.3	1396.3	1426.1	1455.8	1469.5	1483.2	1468.5	1453.9
1065.1	75°	1103.7	1142.3	1176.7	1211.1	1238.2	1265.2	1279.6	1293.9	1286.7	1279.6
904.7	77.5°	936.2	967.5	997.0	1026.6	1055.1	1083.4	1096.8	1110.2	1100.2	1090.0
722.3	80°	748.4	774.4	799.3	824.2	845.9	867.4	885.1	902.9	898.5	894.3
543.3	82.5°	541.1	538.9	530.2	521.5	567.6	613.6	643.8	674.0	672.2	670.1
337.8	85°	326.6	315.2	291.1	267.0	310.1	353.4	390.7	428.1	425.0	421.9
156.9	87.5°	156.4	156.0	137.6	119.1	137.1	155.4	170.5	185.6	181.8	177.8
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°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3707.0	2.5°	3696.3	3683.0	3696.3	3707.0	3717.6	3729.1	3740.6	3755.4	3770.2	3788.6
3473.1	5°	3462.0	3451.1	3462.0	3473.1	3484.1	3498.6	3513.1	3533.5	3553.8	3583.1
3333.0	7.5°	3323.1	3315.7	3323.1	3333.0	3342.9	3359.4	3376.1	3400.4	3424.6	3459.2
3294.8	10°	3286.4	3283.0	3286.4	3294.8	3303.2	3318.9	3334.7	3362.1	3389.1	3430.7
3353.7	12.5°	3346.5	3345.3	3346.5	3353.7	3360.8	3378.3	3395.8	3430.9	3465.9	3518.8
3464.3	15°	3455.0	3454.2	3455.0	3464.3	3473.7	3498.0	3522.4	3575.6	3628.9	3704.2
3559.9	17.5°	3547.9	3546.1	3547.9	3559.9	3571.7	3608.0	3644.1	3722.6	3801.0	3900.8
3610.7	20°	3595.9	3591.2	3595.9	3610.7	3625.4	3671.8	3718.1	3814.1	3910.3	4024.3
3606.8	22.5°	3590.4	3583.4	3590.4	3606.8	3623.1	3672.0	3720.7	3819.9	3918.9	4027.8
3545.4	25°	3530.2	3521.2	3530.2	3545.4	3560.8	3603.0	3645.4	3733.2	3821.3	3910.5
3434.0	27.5°	3427.0	3424.6	3427.0	3434.0	3441.0	3469.5	3497.8	3566.1	3634.5	3698.0
3286.9	30°	3286.9	3289.2	3286.9	3286.9	3286.9	3301.5	3316.0	3365.2	3414.1	3462.6
3115.8	32.5°	3117.2	3119.5	3117.2	3115.8	3114.6	3124.0	3133.5	3172.6	3211.7	3256.4
2940.5	35°	2937.4	2935.9	2937.4	2940.5	2943.6	2958.0	2972.4	3008.4	3044.5	3076.1
2769.1	37.5°	2755.3	2747.5	2755.3	2769.1	2783.0	2809.1	2835.4	2868.8	2901.9	2916.5
2607.7	40°	2582.2	2566.9	2582.2	2607.7	2633.5	2671.5	2709.8	2738.0	2766.2	2762.8
2450.0	42.5°	2412.5	2387.9	2412.5	2450.0	2487.5	2535.0	2582.5	2606.2	2630.0	2612.1
2304.6	45°	2260.6	2232.2	2260.6	2304.6	2348.7	2402.9	2457.2	2478.5	2500.0	2474.3
2220.7	47.5°	2180.1	2152.9	2180.1	2220.7	2261.5	2309.8	2358.0	2373.0	2387.9	2358.3
2184.0	50°	2146.3	2120.2	2146.3	2184.0	2221.7	2260.3	2298.9	2299.5	2300.4	2262.4
2162.3	52.5°	2128.7	2104.6	2128.7	2162.3	2196.1	2227.6	2259.0	2250.9	2242.8	2197.8
2137.3	55°	2107.7	2085.9	2107.7	2137.3	2166.9	2194.3	2221.7	2210.4	2199.2	2151.5
2097.4	57.5°	2068.0	2045.4	2068.0	2097.4	2126.7	2154.4	2182.1	2170.8	2159.4	2111.4
2043.0	60°	2012.8	1989.4	2012.8	2043.0	2073.2	2100.1	2127.2	2114.7	2102.3	2054.0
1958.9	62.5°	1927.1	1899.1	1927.1	1958.9	1990.6	2015.1	2039.5	2027.5	2015.6	1971.3
1843.4	65°	1812.7	1788.6	1812.7	1843.4	1874.2	1897.7	1921.2	1909.1	1896.8	1857.9
1714.5	67.5°	1685.9	1664.1	1685.9	1714.5	1743.1	1764.6	1786.3	1774.4	1762.4	1728.8
1579.4	70°	1552.0	1527.1	1552.0	1579.4	1606.8	1624.4	1642.0	1630.4	1618.9	1588.6
1427.8	72.5°	1401.8	1377.6	1401.8	1427.8	1453.9	1468.5	1483.2	1469.5	1455.8	1426.1
1257.6	75°	1235.7	1212.6	1235.7	1257.6	1279.6	1286.7	1293.9	1279.6	1265.2	1238.2
1067.9	77.5°	1045.8	1027.4	1045.8	1067.9	1090.0	1100.2	1110.2	1096.8	1083.4	1055.1
864.6	80°	834.7	800.1	834.7	864.6	894.3	898.5	902.9	885.1	867.4	845.9
645.1	82.5°	619.9	597.8	619.9	645.1	670.1	672.2	674.0	643.8	613.6	567.6
402.2	85°	382.6	362.7	382.6	402.2	421.9	425.0	428.1	390.7	353.4	310.1
167.8	87.5°	157.5	147.9	157.5	167.8	177.8	181.8	185.6	170.5	155.4	137.1
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°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
3806.8	2.5°	3830.3	3854.0	3877.5	3901.0	3927.8	3954.7	3984.4	4014.3	4051.2	4084.4
3612.2	5°	3650.2	3688.0	3729.7	3771.5	3818.6	3866.0	3922.5	3978.8	4043.4	4108.8
3493.9	7.5°	3540.1	3586.5	3639.1	3691.6	3753.9	3816.1	3891.0	3966.0	4049.6	4138.8
3472.1	10°	3524.3	3576.4	3633.1	3689.6	3751.8	3814.1	3893.2	3972.3	4062.1	4172.1
3571.7	12.5°	3625.6	3679.6	3723.8	3768.3	3809.4	3850.9	3915.3	3980.1	4063.6	4179.3
3779.6	15°	3826.4	3873.3	3884.8	3896.3	3890.7	3885.1	3915.9	3946.9	4013.8	4141.9
4000.6	17.5°	4038.3	4076.1	4040.1	4004.0	3936.2	3868.3	3857.1	3845.7	3887.0	4037.7
4138.4	20°	4156.0	4173.4	4097.9	4022.4	3904.4	3786.6	3733.6	3680.7	3691.6	3867.0
4136.8	22.5°	4126.4	4115.8	4017.6	3919.3	3784.5	3650.0	3571.7	3493.4	3472.1	3671.8
3999.8	25°	3963.9	3927.8	3831.1	3734.4	3613.3	3492.4	3402.1	3311.8	3254.2	3458.9
3761.7	27.5°	3721.3	3681.2	3603.7	3526.1	3426.8	3327.3	3240.2	3153.0	3083.0	3269.3
3511.0	30°	3478.3	3445.7	3381.2	3316.9	3234.4	3151.9	3082.5	3013.4	2958.4	3114.9
3300.9	32.5°	3264.5	3228.2	3166.4	3104.7	3038.7	2972.9	2932.0	2891.0	2866.6	2992.7
3107.9	35°	3064.3	3020.7	2959.5	2898.5	2848.4	2798.1	2786.7	2775.5	2785.6	2890.7
2931.2	37.5°	2877.3	2823.5	2762.4	2701.6	2665.6	2629.5	2642.0	2654.4	2691.5	2783.3
2759.2	40°	2697.1	2635.1	2576.3	2517.4	2491.4	2465.4	2493.6	2521.8	2578.6	2661.9
2594.2	42.5°	2527.2	2460.3	2404.4	2348.7	2327.4	2306.2	2343.5	2380.9	2452.5	2529.3
2448.6	45°	2379.2	2309.8	2256.8	2203.9	2185.9	2168.1	2204.4	2240.8	2310.1	2387.9
2328.8	47.5°	2260.3	2191.8	2140.1	2088.3	2071.6	2054.8	2085.3	2115.8	2175.4	2275.8
2224.5	50°	2163.1	2101.8	2053.1	2004.2	1977.9	1951.7	1978.7	2005.7	2075.0	2207.0
2152.9	52.5°	2095.6	2038.4	1993.8	1948.9	1909.7	1870.3	1896.9	1923.7	2020.5	2172.3
2103.8	55°	2053.8	2003.7	1955.5	1907.2	1851.5	1795.6	1837.8	1880.1	2026.0	2167.2
2063.3	57.5°	2013.7	1964.2	1907.5	1850.9	1790.8	1730.7	1792.3	1854.0	2031.4	2156.0
2005.7	60°	1955.3	1905.0	1840.0	1774.9	1722.3	1669.5	1749.5	1829.4	2014.3	2096.5
1927.1	62.5°	1873.4	1819.7	1743.8	1668.0	1634.5	1601.0	1700.8	1800.7	1972.3	1982.4
1819.0	65°	1767.6	1716.2	1634.8	1553.5	1540.8	1527.9	1634.2	1740.3	1871.1	1869.9
1695.2	67.5°	1646.6	1597.9	1522.7	1447.7	1451.7	1455.8	1544.2	1632.6	1706.1	1709.5
1558.2	70°	1516.2	1474.2	1408.1	1342.1	1356.2	1370.2	1433.1	1495.9	1520.1	1520.1
1396.3	72.5°	1358.3	1320.4	1268.5	1216.5	1236.9	1257.5	1300.6	1343.7	1343.4	1328.1
1211.1	75°	1176.7	1142.3	1103.7	1065.1	1084.8	1104.4	1137.8	1170.9	1176.8	1106.5
1026.6	77.5°	997.0	967.5	936.2	904.7	924.7	944.6	971.2	997.8	1000.9	885.0
824.2	80°	799.3	774.4	748.4	722.3	739.1	755.8	778.2	800.4	800.9	662.4
521.5	82.5°	530.2	538.9	541.1	543.3	555.1	566.9	577.8	588.7	582.2	463.9
267.0	85°	291.1	315.2	326.6	337.8	351.0	364.3	375.9	387.6	379.0	291.1
119.1	87.5°	137.6	156.0	156.4	156.9	159.4	161.9	166.6	171.2	160.3	123.8
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°
4056.6	0°	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6	4056.6
4118.6	2.5°	4152.8	4188.6	4224.4	4259.9	4295.6	4329.1	4362.5
4178.1	5°	4247.3	4321.4	4395.7	4469.3	4543.1	4617.0	4691.0
4235.5	7.5°	4332.2	4441.9	4551.7	4664.4	4777.1	4898.9	5021.0
4286.7	10°	4401.0	4534.4	4667.6	4816.4	4965.4	5119.7	5273.9
4308.7	12.5°	4438.0	4595.2	4752.5	4921.2	5089.9	5259.3	5428.8
4291.7	15°	4441.4	4622.5	4803.5	4986.6	5169.6	5346.3	5523.0
4217.8	17.5°	4397.9	4608.0	4818.2	5017.9	5217.6	5396.8	5575.9
4090.3	20°	4313.5	4568.2	4822.8	5042.3	5261.8	5448.1	5634.3
3940.7	22.5°	4209.5	4519.3	4829.1	5075.3	5321.4	5511.8	5702.0
3773.6	25°	4088.6	4471.0	4853.6	5135.1	5416.4	5602.7	5789.2
3620.9	27.5°	3972.6	4438.8	4905.0	5228.5	5551.8	5729.7	5907.5
3493.3	30°	3871.7	4423.7	4975.4	5349.4	5723.5	5895.2	6067.1
3383.2	32.5°	3773.6	4405.0	5036.1	5475.7	5915.3	6085.3	6255.4
3275.0	35°	3659.4	4369.8	5080.6	5619.5	6158.4	6321.4	6484.2
3147.7	37.5°	3512.1	4309.6	5107.1	5780.6	6454.2	6661.9	6869.5
2995.8	40°	3329.7	4226.6	5123.7	5985.2	6846.5	7149.1	7451.7
2828.1	42.5°	3127.0	4141.0	5155.3	6252.8	7350.2	7787.0	8223.8
2650.0	45°	2912.2	4061.5	5210.9	6604.9	7998.9	8588.1	9177.3
2509.2	47.5°	2742.5	3995.8	5249.0	6980.0	8711.0	9540.4	10369.7
2415.6	50°	2624.2	3924.2	5224.1	7328.1	9432.1	10682.4	11932.5
2354.0	52.5°	2535.8	3803.2	5070.8	7554.1	10037.3	11881.9	13726.6
2309.3	55°	2451.4	3602.7	4754.0	7504.3	10254.5	12945.4	15636.6
2256.4	57.5°	2356.8	3320.0	4283.1	7153.8	10024.5	13699.2	17373.8
2175.4	60°	2254.3	2953.0	3651.6	6501.4	9351.1	13887.5	18423.8
2034.7	62.5°	2087.2	2513.7	2940.2	5619.2	8298.2	13094.4	17890.6
1894.6	65°	1919.4	2118.5	2317.5	4719.2	7120.9	11972.2	16823.5
1695.8	67.5°	1682.0	1738.6	1795.1	3837.5	5879.8	10636.8	15393.8
1456.1	70°	1392.0	1375.9	1359.7	3021.5	4683.2	9179.6	13676.0
1237.4	72.5°	1146.5	1097.6	1048.9	2309.9	3571.0	7599.9	11629.0
1004.7	75°	902.9	858.7	814.4	1676.5	2538.6	5789.0	9039.5
786.1	77.5°	687.3	657.1	627.0	1136.0	1645.1	4051.8	6458.6
578.8	80°	495.0	482.6	470.1	731.9	993.9	2610.5	4227.1
402.2	82.5°	340.6	338.1	335.9	450.2	564.8	1510.9	2457.2
246.0	85°	200.8	202.1	203.1	240.7	278.3	679.6	1081.1
105.2	87.5°	86.9	88.0	89.0	99.8	110.5	222.6	334.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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