

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: P957230

Luminaire Tested: **GALN-SB9C-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957230
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-SB9C-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41373 lumens
Efficiency: N/A
Efficacy: 92.0 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

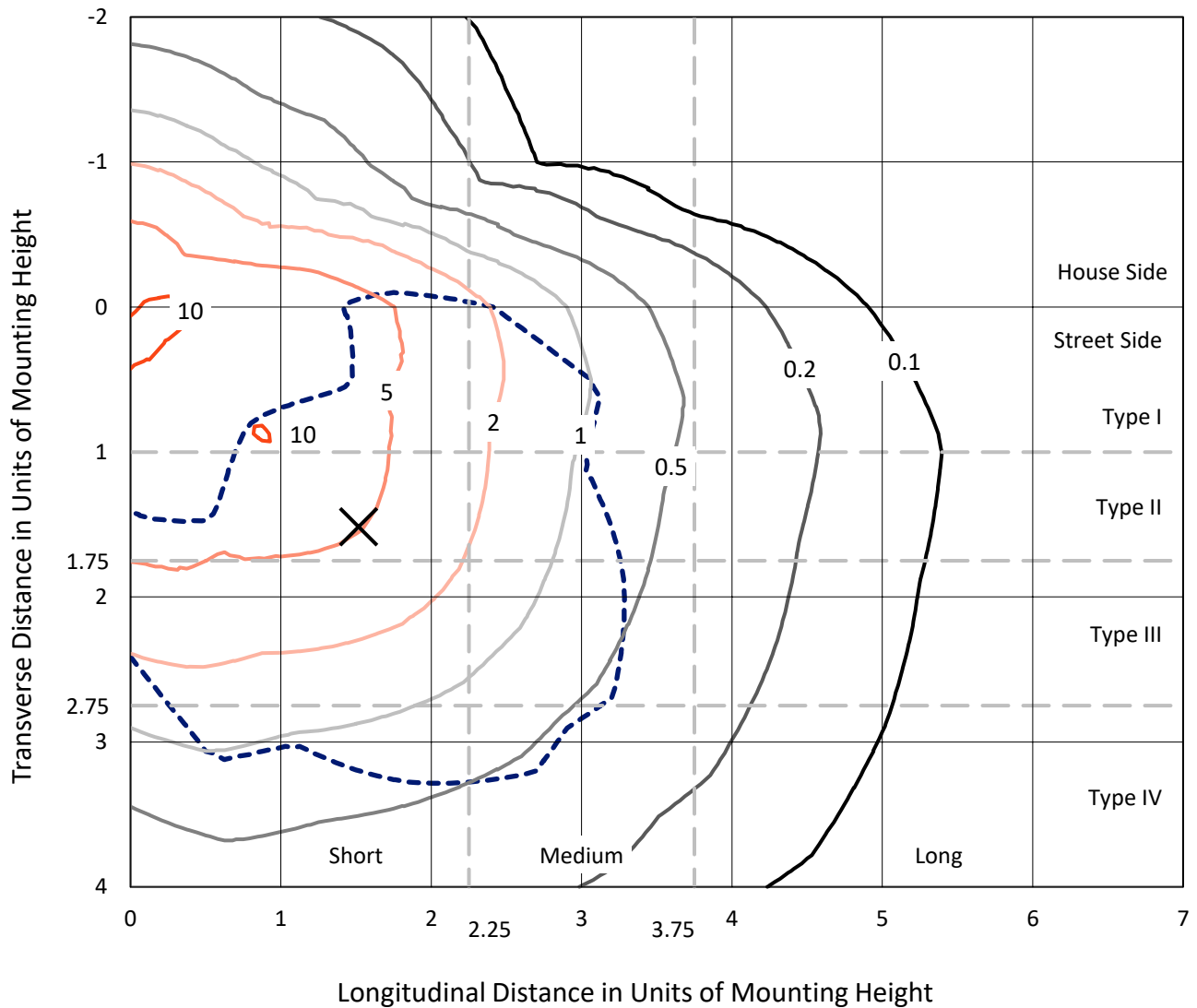
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

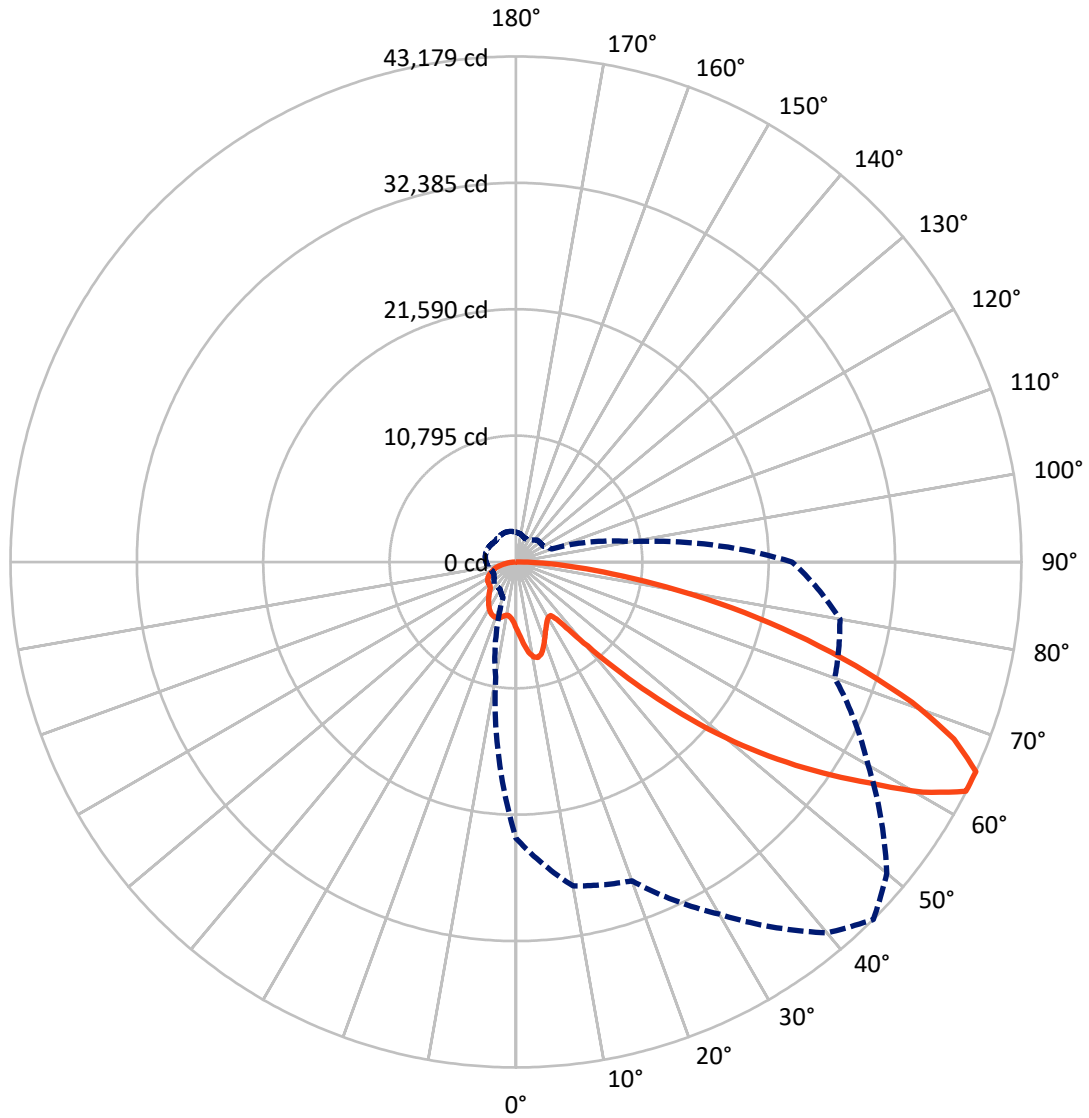
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	10514.9	0.0	10514.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	30858.1	0.0	30858.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	41373.0	0.0	41373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.4	1.4
10°-20°	1771.6	4.3
20°-30°	2736.6	6.6
30°-40°	3467.9	8.4
40°-50°	5230.5	12.6
50°-60°	8450.6	20.4
60°-70°	10535.1	25.5
70°-80°	6908.4	16.7
80°-90°	1707.9	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°	41373.0	100.0
0°-180°	41373.0	100.0

Coefficient of Utilization



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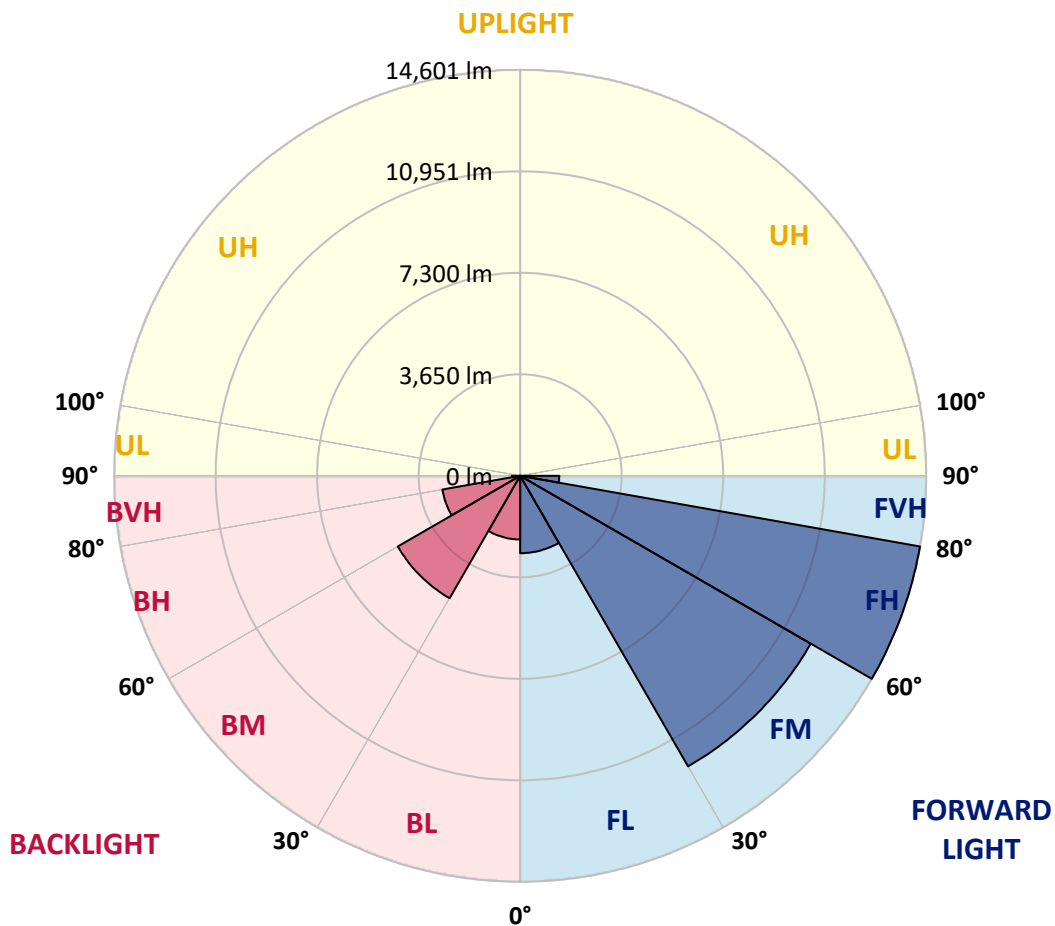
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2782.8	6.7			
FM (30°-60°)	12067.6	29.2			
FH (60°-80°)	14600.7	35.3			G5
FVH (80°-90°)	1407.0	3.4			G5
BL (0°-30°)	2289.8	5.5	B3/2500		
BM (30°-60°)	5081.5	12.3	B4/8500		
BH (60°-80°)	2842.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	301.0	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°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
2.5°	6118.1	6141.3	6164.6	6197.6	6230.6	6250.2	6269.8	6279.7	6289.5	6285.1
5°	6578.8	6659.7	6741.0	6821.3	6901.9	6945.5	6989.2	7015.6	7042.2	7062.3
7.5°	7041.6	7173.4	7305.1	7423.6	7542.2	7613.5	7684.9	7723.6	7762.0	7780.5
10°	7396.3	7552.2	7708.1	7847.1	7986.2	8070.5	8154.3	8191.8	8229.2	8243.4
12.5°	7613.5	7782.5	7951.3	8077.0	8202.3	8263.4	8324.6	8345.1	8365.6	8367.8
15°	7745.6	7891.4	8037.1	8115.9	8194.9	8197.1	8199.3	8177.4	8155.6	8129.8
17.5°	7819.8	7918.3	8016.8	8018.3	8019.6	7931.2	7842.8	7761.8	7680.6	7623.4
20°	7901.7	7936.0	7970.5	7866.8	7763.1	7567.9	7372.7	7230.6	7088.5	7001.2
22.5°	7996.7	7951.7	7906.7	7691.9	7477.1	7190.0	6902.9	6725.2	6547.5	6451.0
25°	8118.9	7977.0	7835.1	7509.0	7182.8	6834.2	6485.5	6298.7	6112.2	6021.0
27.5°	8284.8	8031.2	7777.3	7345.2	6913.4	6527.0	6140.6	5956.8	5773.2	5687.0
30°	8508.6	8130.3	7752.2	7220.4	6688.6	6286.0	5883.4	5712.9	5542.4	5462.1
32.5°	8772.8	8254.7	7736.9	7135.2	6533.6	6155.2	5776.9	5643.1	5509.0	5451.2
35°	9093.7	8459.7	7826.0	7199.0	6572.2	6309.4	6046.7	6015.5	5984.3	5979.5
37.5°	9634.0	8888.3	8142.5	7572.7	7002.9	6985.9	6968.9	7111.6	7254.4	7328.6
40°	10450.5	9639.5	8828.4	8404.7	7981.0	8280.0	8579.1	8926.2	9273.3	9446.2
42.5°	11533.3	10728.6	9923.9	9679.8	9435.8	10088.1	10740.4	11371.7	12003.1	12373.8
45°	12870.4	12147.6	11424.6	11316.9	11209.1	12254.1	13299.4	14336.8	15374.4	16004.3
47.5°	14542.7	13839.5	13136.1	13114.3	13092.5	14600.1	16107.3	17626.1	19144.6	20036.4
50°	16734.5	15865.9	14997.4	15001.1	15004.8	16947.8	18890.8	20895.5	22900.2	24112.3
52.5°	19250.5	18198.7	17147.1	17040.8	16934.3	19255.1	21576.0	24056.4	26536.6	27989.5
55°	21929.2	20890.0	19850.9	19436.3	19021.7	21604.8	24187.6	27144.6	30101.6	31829.5
57.5°	24365.5	23799.7	23233.6	22402.0	21570.7	24178.9	26787.0	30136.3	33485.4	35628.1
60°	25838.0	26716.9	27596.1	26563.5	25530.9	27999.1	30467.3	34053.2	37639.2	39955.0
62.5°	25090.3	27491.9	29893.5	29777.2	29660.6	31921.6	34182.9	37594.6	41006.2	43146.7
65°	23593.8	25847.8	28101.9	28547.9	28993.7	31867.1	34740.7	38048.9	41357.0	43179.4
67.5°	21588.6	23732.4	25876.2	26085.4	26294.3	29288.2	32281.9	35604.3	38926.8	40354.5
70°	19179.6	21511.3	23843.3	23936.8	24030.4	26707.8	29384.9	32244.1	35103.1	35896.6
72.5°	16308.8	18984.6	21660.7	21727.9	21794.9	23889.6	25984.3	28125.7	30266.9	30347.2
75°	12677.2	15446.7	18216.2	18464.8	18713.5	20343.2	21972.8	23480.3	24987.7	24583.8
77.5°	9057.7	11642.9	14228.3	14584.2	14940.0	16178.9	17417.8	18486.9	19556.2	18861.9
80°	5928.2	8103.2	10278.0	10720.3	11162.6	12098.3	13033.5	13595.0	14156.3	13039.6
82.5°	3446.0	4932.9	6420.0	6914.1	7408.3	8052.3	8696.4	8930.6	9164.6	8287.0
85°	1516.2	2305.3	3094.5	3514.8	3935.0	4464.2	4993.2	5126.1	5259.1	4556.1
87.5°	469.4	734.6	999.9	1234.3	1468.8	1733.4	1998.0	2009.3	2020.5	1696.3
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
6289.5	2.5°	6279.7	6269.8	6250.2	6230.6	6197.6	6164.6	6141.3	6118.1	6071.2	6024.2
7042.2	5°	7015.6	6989.2	6945.5	6901.9	6821.3	6741.0	6659.7	6578.8	6475.1	6371.4
7762.0	7.5°	7723.6	7684.9	7613.5	7542.2	7423.6	7305.1	7173.4	7041.6	6870.4	6699.5
8229.2	10°	8191.8	8154.3	8070.5	7986.2	7847.1	7708.1	7552.2	7396.3	7180.0	6963.6
8365.6	12.5°	8345.1	8324.6	8263.4	8202.3	8077.0	7951.3	7782.5	7613.5	7375.8	7138.3
8155.6	15°	8177.4	8199.3	8197.1	8194.9	8115.9	8037.1	7891.4	7745.6	7497.8	7250.1
7680.6	17.5°	7761.8	7842.8	7931.2	8019.6	8018.3	8016.8	7918.3	7819.8	7568.6	7317.3
7088.5	20°	7230.6	7372.7	7567.9	7763.1	7866.8	7970.5	7936.0	7901.7	7640.6	7379.3
6547.5	22.5°	6725.2	6902.9	7190.0	7477.1	7691.9	7906.7	7951.7	7996.7	7729.9	7462.9
6112.2	25°	6298.7	6485.5	6834.2	7182.8	7509.0	7835.1	7977.0	8118.9	7857.4	7596.1
5773.2	27.5°	5956.8	6140.6	6527.0	6913.4	7345.2	7777.3	8031.2	8284.8	8035.5	7786.0
5542.4	30°	5712.9	5883.4	6286.0	6688.6	7220.4	7752.2	8130.3	8508.6	8267.6	8026.8
5509.0	32.5°	5643.1	5776.9	6155.2	6533.6	7135.2	7736.9	8254.7	8772.8	8534.2	8295.8
5984.3	35°	6015.5	6046.7	6309.4	6572.2	7199.0	7826.0	8459.7	9093.7	8865.3	8636.8
7254.4	37.5°	7111.6	6968.9	6985.9	7002.9	7572.7	8142.5	8888.3	9634.0	9342.8	9051.5
9273.3	40°	8926.2	8579.1	8280.0	7981.0	8404.7	8828.4	9639.5	10450.5	10026.1	9601.7
12003.1	42.5°	11371.7	10740.4	10088.1	9435.8	9679.8	9923.9	10728.6	11533.3	10920.7	10308.1
15374.4	45°	14336.8	13299.4	12254.1	11209.1	11316.9	11424.6	12147.6	12870.4	12044.1	11217.8
19144.6	47.5°	17626.1	16107.3	14600.1	13092.5	13114.3	13136.1	13839.5	14542.7	13379.7	12216.6
22900.2	50°	20895.5	18890.8	16947.8	15004.8	15001.1	14997.4	15865.9	16734.5	14981.3	13227.8
26536.6	52.5°	24056.4	21576.0	19255.1	16934.3	17040.8	17147.1	18198.7	19250.5	16663.6	14076.6
30101.6	55°	27144.6	24187.6	21604.8	19021.7	19436.3	19850.9	20890.0	21929.2	18155.0	14381.1
33485.4	57.5°	30136.3	26787.0	24178.9	21570.7	22402.0	23233.6	23799.7	24365.5	19212.1	14058.7
37639.2	60°	34053.2	30467.3	27999.1	25530.9	26563.5	27596.1	26716.9	25838.0	19476.3	13114.3
41006.2	62.5°	37594.6	34182.9	31921.6	29660.6	29777.2	29893.5	27491.9	25090.3	18364.0	11637.6
41357.0	65°	38048.9	34740.7	31867.1	28993.7	28547.9	28101.9	25847.8	23593.8	16790.2	9986.6
38926.8	67.5°	35604.3	32281.9	29288.2	26294.3	26085.4	25876.2	23732.4	21588.6	14917.3	8246.0
35103.1	70°	32244.1	29384.9	26707.8	24030.4	23936.8	23843.3	21511.3	19179.6	12873.7	6567.8
30266.9	72.5°	28125.7	25984.3	23889.6	21794.9	21727.9	21660.7	18984.6	16308.8	10658.3	5008.0
24987.7	75°	23480.3	21972.8	20343.2	18713.5	18464.8	18216.2	15446.7	12677.2	8118.7	3560.2
19556.2	77.5°	18486.9	17417.8	16178.9	14940.0	14584.2	14228.3	11642.9	9057.7	5682.4	2307.1
14156.3	80°	13595.0	13033.5	12098.3	11162.6	10720.3	10278.0	8103.2	5928.2	3661.0	1393.9
9164.6	82.5°	8930.6	8696.4	8052.3	7408.3	6914.1	6420.0	4932.9	3446.0	2118.9	792.0
5259.1	85°	5126.1	4993.2	4464.2	3935.0	3514.8	3094.5	2305.3	1516.2	953.1	390.3
2020.5	87.5°	2009.3	1998.0	1733.4	1468.8	1234.3	999.9	734.6	469.4	312.2	155.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5974.3	2.5°	5924.5	5874.3	5824.1	5776.0	5728.0	5681.5	5629.8	5587.8	5546.2	5508.4
6267.9	5°	6164.6	6060.5	5956.6	5859.4	5762.3	5670.6	5580.0	5501.0	5421.7	5355.3
6541.4	7.5°	6383.4	6229.5	6075.6	5940.0	5804.4	5679.3	5562.1	5456.9	5351.9	5264.5
6754.7	10°	6546.0	6359.1	6172.0	6011.8	5851.1	5696.8	5570.8	5459.9	5349.0	5261.7
6901.6	12.5°	6665.0	6444.5	6224.0	6042.6	5861.2	5699.0	5581.7	5490.9	5400.5	5342.5
6993.3	15°	6736.6	6482.7	6228.8	6018.8	5808.8	5629.1	5535.2	5491.8	5448.6	5456.4
7037.2	17.5°	6757.1	6462.4	6167.7	5915.1	5662.5	5451.2	5393.3	5409.3	5425.0	5520.2
7071.5	20°	6763.7	6406.5	6049.4	5736.3	5423.2	5177.2	5161.9	5236.2	5310.4	5475.6
7117.8	22.5°	6772.4	6338.0	5903.5	5526.5	5149.5	4869.4	4899.3	5009.1	5118.9	5307.5
7201.6	25°	6806.9	6270.3	5733.9	5292.3	4850.8	4563.8	4644.5	4771.2	4897.8	5067.4
7332.6	27.5°	6878.9	6225.1	5571.3	5078.1	4584.9	4323.6	4421.9	4544.1	4666.4	4805.9
7502.2	30°	6977.6	6203.9	5429.8	4899.1	4368.4	4149.0	4226.0	4323.0	4420.3	4536.0
7679.3	32.5°	7062.7	6177.7	5292.3	4744.7	4197.0	4020.2	4054.4	4111.9	4169.3	4261.6
7881.0	35°	7125.2	6128.4	5132.0	4593.0	4054.0	3906.6	3892.5	3908.2	3924.1	3994.6
8106.9	37.5°	7162.3	6043.9	4925.5	4414.4	3903.4	3774.6	3722.6	3705.1	3687.7	3738.3
8393.8	40°	7185.7	5927.5	4669.6	4201.4	3733.1	3616.3	3536.6	3497.1	3457.6	3494.0
8769.1	42.5°	7230.0	5807.5	4385.4	3966.2	3547.1	3439.5	3339.0	3286.6	3234.3	3263.9
9262.9	45°	7307.9	5695.9	4084.1	3716.5	3348.9	3239.7	3142.6	3091.5	3040.6	3065.5
9789.0	47.5°	7361.4	5603.8	3846.2	3518.9	3191.7	3050.9	2967.3	2924.5	2881.7	2905.3
10277.1	50°	7326.5	5503.4	3680.3	3387.7	3095.2	2910.1	2812.9	2774.9	2737.2	2773.8
10594.1	52.5°	7111.4	5333.7	3556.3	3301.3	3046.5	2833.7	2697.9	2660.3	2623.0	2678.2
10524.3	55°	6667.2	5052.6	3437.9	3238.6	3039.3	2841.3	2636.7	2577.4	2518.2	2596.6
10032.6	57.5°	6006.8	4656.1	3305.2	3164.4	3023.6	2848.9	2600.1	2513.6	2427.2	2511.4
9117.7	60°	5121.1	4141.3	3161.6	3050.9	2940.2	2824.9	2565.6	2453.6	2341.4	2415.4
7880.5	62.5°	4123.4	3525.3	2927.1	2853.5	2780.2	2766.0	2525.4	2385.2	2245.3	2292.2
6618.3	65°	3250.2	2971.0	2691.8	2657.0	2622.3	2624.1	2440.7	2291.8	2142.7	2160.8
5381.8	67.5°	2517.5	2438.3	2358.8	2378.3	2397.5	2392.7	2289.6	2165.6	2041.6	2036.0
4237.4	70°	1906.9	1929.6	1952.1	2042.1	2131.8	2131.8	2098.0	2009.8	1921.6	1901.9
3239.5	72.5°	1471.0	1539.3	1607.8	1735.3	1862.6	1884.0	1884.4	1824.0	1763.5	1734.7
2351.2	75°	1142.2	1204.2	1266.2	1409.0	1551.7	1650.4	1642.1	1595.6	1548.9	1521.4
1593.2	77.5°	879.4	921.5	963.8	1102.5	1241.1	1403.7	1399.4	1362.0	1324.7	1296.8
1026.5	80°	659.3	676.8	694.2	811.7	928.9	1123.2	1122.5	1091.3	1059.9	1036.5
631.4	82.5°	471.1	474.2	477.7	564.1	650.6	816.5	825.6	810.4	795.1	778.5
337.5	85°	284.9	283.4	281.6	344.9	408.2	531.6	543.6	527.2	510.8	492.3
139.9	87.5°	124.9	123.3	121.8	147.6	173.6	224.9	240.1	233.6	227.0	223.5
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5470.8	2.5°	5437.9	5404.9	5371.7	5338.8	5313.2	5287.5	5266.7	5246.0	5229.8	5213.7
5289.2	5°	5230.7	5172.2	5119.1	5065.9	5025.0	4984.0	4955.4	4926.8	4906.5	4886.2
5177.2	7.5°	5103.6	5029.8	4964.8	4900.0	4851.3	4802.8	4768.8	4734.7	4711.3	4688.2
5174.4	10°	5095.1	5015.7	4942.5	4869.4	4811.3	4753.0	4715.0	4676.6	4654.6	4632.5
5284.8	12.5°	5222.4	5160.4	5084.6	5009.1	4934.9	4860.7	4811.5	4762.4	4737.8	4713.3
5464.3	15°	5448.1	5432.0	5366.3	5300.6	5194.9	5089.2	5014.6	4939.9	4905.6	4871.6
5615.4	17.5°	5666.0	5716.4	5663.4	5610.6	5470.6	5330.7	5220.7	5110.6	5060.0	5009.1
5641.1	20°	5747.0	5852.9	5828.4	5803.8	5643.7	5483.9	5349.0	5214.3	5149.5	5084.4
5496.6	22.5°	5634.3	5772.1	5786.9	5801.6	5648.8	5495.9	5357.1	5218.0	5149.7	5081.2
5237.2	25°	5372.8	5508.4	5559.0	5609.5	5484.2	5359.1	5235.5	5112.4	5053.0	4993.8
4945.1	27.5°	5053.9	5162.6	5218.9	5275.4	5186.2	5097.1	5001.3	4905.4	4865.7	4825.7
4651.7	30°	4741.9	4832.3	4878.1	4924.0	4856.1	4788.0	4719.4	4650.4	4630.1	4609.6
4354.2	32.5°	4440.6	4527.3	4578.2	4629.3	4566.8	4504.2	4449.4	4394.6	4381.3	4367.9
4064.9	35°	4150.5	4236.3	4297.4	4358.5	4314.0	4269.7	4219.0	4168.6	4148.3	4128.2
3788.8	37.5°	3874.1	3959.7	4035.2	4110.8	4090.2	4069.7	4023.2	3976.5	3939.6	3902.9
3530.5	40°	3613.0	3695.5	3782.4	3869.5	3874.6	3879.4	3839.8	3800.3	3746.6	3693.4
3293.9	42.5°	3372.0	3450.4	3544.3	3638.1	3663.2	3688.3	3654.9	3621.8	3555.2	3488.6
3090.8	45°	3165.1	3239.3	3336.6	3434.0	3470.0	3506.0	3475.9	3446.0	3369.8	3293.9
2928.6	47.5°	3001.3	3073.8	3169.9	3265.9	3307.4	3348.9	3327.9	3307.0	3239.3	3171.6
2810.7	50°	2879.3	2947.6	3033.6	3119.6	3172.9	3226.2	3224.9	3224.0	3169.9	3115.7
2733.2	52.5°	2796.1	2858.8	2938.9	3019.2	3082.3	3145.4	3156.8	3168.1	3124.0	3079.9
2674.7	55°	2742.4	2810.1	2880.4	2950.5	3017.3	3084.3	3100.0	3115.7	3077.3	3038.9
2595.7	57.5°	2675.2	2754.6	2824.1	2893.7	2961.1	3028.4	3044.3	3060.3	3021.4	2982.5
2489.2	60°	2580.4	2671.7	2742.2	2812.9	2880.6	2948.3	2965.7	2983.2	2945.2	2907.4
2339.2	62.5°	2445.5	2552.0	2627.4	2702.7	2764.7	2826.7	2843.5	2860.3	2826.0	2791.7
2178.7	65°	2292.7	2406.9	2478.9	2550.9	2605.5	2660.1	2677.3	2694.4	2661.4	2628.4
2030.3	67.5°	2135.5	2240.9	2309.3	2377.4	2424.5	2471.7	2488.5	2505.1	2474.8	2444.6
1882.3	70°	1974.8	2067.4	2126.3	2185.3	2227.8	2270.4	2286.6	2302.7	2278.1	2253.4
1706.1	72.5°	1779.0	1851.7	1905.0	1958.2	1999.9	2041.6	2060.8	2080.1	2059.5	2039.0
1493.7	75°	1547.8	1602.0	1650.2	1698.4	1736.4	1774.4	1794.5	1814.6	1804.5	1794.5
1268.8	77.5°	1312.9	1356.8	1398.3	1439.8	1479.7	1519.4	1538.2	1557.0	1543.0	1528.6
1013.0	80°	1049.6	1086.1	1121.0	1155.9	1186.3	1216.4	1241.3	1266.2	1260.1	1254.2
761.9	82.5°	758.8	755.8	743.6	731.3	796.0	860.6	902.9	945.3	942.7	939.8
473.7	85°	458.0	442.1	408.2	374.4	434.9	495.6	548.0	600.4	596.0	591.6
220.1	87.5°	219.4	218.7	193.0	167.0	192.3	217.9	239.0	260.2	255.0	249.3
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5198.8	2.5°	5183.8	5165.2	5183.8	5198.8	5213.7	5229.8	5246.0	5266.7	5287.5	5313.2
4870.7	5°	4855.2	4839.9	4855.2	4870.7	4886.2	4906.5	4926.8	4955.4	4984.0	5025.0
4674.2	7.5°	4660.5	4650.0	4660.5	4674.2	4688.2	4711.3	4734.7	4768.8	4802.8	4851.3
4620.7	10°	4608.9	4604.1	4608.9	4620.7	4632.5	4654.6	4676.6	4715.0	4753.0	4811.3
4703.3	12.5°	4693.2	4691.5	4693.2	4703.3	4713.3	4737.8	4762.4	4811.5	4860.7	4934.9
4858.5	15°	4845.4	4844.3	4845.4	4858.5	4871.6	4905.6	4939.9	5014.6	5089.2	5194.9
4992.5	17.5°	4975.7	4973.1	4975.7	4992.5	5009.1	5060.0	5110.6	5220.7	5330.7	5470.6
5063.7	20°	5042.9	5036.4	5042.9	5063.7	5084.4	5149.5	5214.3	5349.0	5483.9	5643.7
5058.2	22.5°	5035.3	5025.5	5035.3	5058.2	5081.2	5149.7	5218.0	5357.1	5495.9	5648.8
4972.2	25°	4950.8	4938.2	4950.8	4972.2	4993.8	5053.0	5112.4	5235.5	5359.1	5484.2
4815.9	27.5°	4806.1	4802.8	4806.1	4815.9	4825.7	4865.7	4905.4	5001.3	5097.1	5186.2
4609.6	30°	4609.6	4612.9	4609.6	4609.6	4609.6	4630.1	4650.4	4719.4	4788.0	4856.1
4369.7	32.5°	4371.6	4374.9	4371.6	4369.7	4367.9	4381.3	4394.6	4449.4	4504.2	4566.8
4123.9	35°	4119.5	4117.3	4119.5	4123.9	4128.2	4148.3	4168.6	4219.0	4269.7	4314.0
3883.5	37.5°	3864.1	3853.2	3864.1	3883.5	3902.9	3939.6	3976.5	4023.2	4069.7	4090.2
3657.1	40°	3621.3	3599.9	3621.3	3657.1	3693.4	3746.6	3800.3	3839.8	3879.4	3874.6
3436.0	42.5°	3383.4	3348.9	3383.4	3436.0	3488.6	3555.2	3621.8	3654.9	3688.3	3663.2
3232.1	45°	3170.3	3130.6	3170.3	3232.1	3293.9	3369.8	3446.0	3475.9	3506.0	3470.0
3114.4	47.5°	3057.4	3019.2	3057.4	3114.4	3171.6	3239.3	3307.0	3327.9	3348.9	3307.4
3062.9	50°	3010.1	2973.4	3010.1	3062.9	3115.7	3169.9	3224.0	3224.9	3226.2	3172.9
3032.5	52.5°	2985.4	2951.5	2985.4	3032.5	3079.9	3124.0	3168.1	3156.8	3145.4	3082.3
2997.4	55°	2955.9	2925.3	2955.9	2997.4	3038.9	3077.3	3115.7	3100.0	3084.3	3017.3
2941.5	57.5°	2900.2	2868.6	2900.2	2941.5	2982.5	3021.4	3060.3	3044.3	3028.4	2961.1
2865.1	60°	2822.7	2790.0	2822.7	2865.1	2907.4	2945.2	2983.2	2965.7	2948.3	2880.6
2747.2	62.5°	2702.7	2663.4	2702.7	2747.2	2791.7	2826.0	2860.3	2843.5	2826.7	2764.7
2585.2	65°	2542.2	2508.4	2542.2	2585.2	2628.4	2661.4	2694.4	2677.3	2660.1	2605.5
2404.5	67.5°	2364.3	2333.7	2364.3	2404.5	2444.6	2474.8	2505.1	2488.5	2471.7	2424.5
2215.0	70°	2176.5	2141.6	2176.5	2215.0	2253.4	2278.1	2302.7	2286.6	2270.4	2227.8
2002.3	72.5°	1965.9	1932.0	1965.9	2002.3	2039.0	2059.5	2080.1	2060.8	2041.6	1999.9
1763.7	75°	1732.9	1700.6	1732.9	1763.7	1794.5	1804.5	1814.6	1794.5	1774.4	1736.4
1497.6	77.5°	1466.6	1440.8	1466.6	1497.6	1528.6	1543.0	1557.0	1538.2	1519.4	1479.7
1212.5	80°	1170.6	1122.1	1170.6	1212.5	1254.2	1260.1	1266.2	1241.3	1216.4	1186.3
904.7	82.5°	869.3	838.3	869.3	904.7	939.8	942.7	945.3	902.9	860.6	796.0
564.1	85°	536.6	508.7	536.6	564.1	591.6	596.0	600.4	548.0	495.6	434.9
235.3	87.5°	220.9	207.4	220.9	235.3	249.3	255.0	260.2	239.0	217.9	192.3
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°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5338.8	2.5°	5371.7	5404.9	5437.9	5470.8	5508.4	5546.2	5587.8	5629.8	5681.5	5728.0
5065.9	5°	5119.1	5172.2	5230.7	5289.2	5355.3	5421.7	5501.0	5580.0	5670.6	5762.3
4900.0	7.5°	4964.8	5029.8	5103.6	5177.2	5264.5	5351.9	5456.9	5562.1	5679.3	5804.4
4869.4	10°	4942.5	5015.7	5095.1	5174.4	5261.7	5349.0	5459.9	5570.8	5696.8	5851.1
5009.1	12.5°	5084.6	5160.4	5222.4	5284.8	5342.5	5400.5	5490.9	5581.7	5699.0	5861.2
5300.6	15°	5366.3	5432.0	5448.1	5464.3	5456.4	5448.6	5491.8	5535.2	5629.1	5808.8
5610.6	17.5°	5663.4	5716.4	5666.0	5615.4	5520.2	5425.0	5409.3	5393.3	5451.2	5662.5
5803.8	20°	5828.4	5852.9	5747.0	5641.1	5475.6	5310.4	5236.2	5161.9	5177.2	5423.2
5801.6	22.5°	5786.9	5772.1	5634.3	5496.6	5307.5	5118.9	5009.1	4899.3	4869.4	5149.5
5609.5	25°	5559.0	5508.4	5372.8	5237.2	5067.4	4897.8	4771.2	4644.5	4563.8	4850.8
5275.4	27.5°	5218.9	5162.6	5053.9	4945.1	4805.9	4666.4	4544.1	4421.9	4323.6	4584.9
4924.0	30°	4878.1	4832.3	4741.9	4651.7	4536.0	4420.3	4323.0	4226.0	4149.0	4368.4
4629.3	32.5°	4578.2	4527.3	4440.6	4354.2	4261.6	4169.3	4111.9	4054.4	4020.2	4197.0
4358.5	35°	4297.4	4236.3	4150.5	4064.9	3994.6	3924.1	3908.2	3892.5	3906.6	4054.0
4110.8	37.5°	4035.2	3959.7	3874.1	3788.8	3738.3	3687.7	3705.1	3722.6	3774.6	3903.4
3869.5	40°	3782.4	3695.5	3613.0	3530.5	3494.0	3457.6	3497.1	3536.6	3616.3	3733.1
3638.1	42.5°	3544.3	3450.4	3372.0	3293.9	3263.9	3234.3	3286.6	3339.0	3439.5	3547.1
3434.0	45°	3336.6	3239.3	3165.1	3090.8	3065.5	3040.6	3091.5	3142.6	3239.7	3348.9
3265.9	47.5°	3169.9	3073.8	3001.3	2928.6	2905.3	2881.7	2924.5	2967.3	3050.9	3191.7
3119.6	50°	3033.6	2947.6	2879.3	2810.7	2773.8	2737.2	2774.9	2812.9	2910.1	3095.2
3019.2	52.5°	2938.9	2858.8	2796.1	2733.2	2678.2	2623.0	2660.3	2697.9	2833.7	3046.5
2950.5	55°	2880.4	2810.1	2742.4	2674.7	2596.6	2518.2	2577.4	2636.7	2841.3	3039.3
2893.7	57.5°	2824.1	2754.6	2675.2	2595.7	2511.4	2427.2	2513.6	2600.1	2848.9	3023.6
2812.9	60°	2742.2	2671.7	2580.4	2489.2	2415.4	2341.4	2453.6	2565.6	2824.9	2940.2
2702.7	62.5°	2627.4	2552.0	2445.5	2339.2	2292.2	2245.3	2385.2	2525.4	2766.0	2780.2
2550.9	65°	2478.9	2406.9	2292.7	2178.7	2160.8	2142.7	2291.8	2440.7	2624.1	2622.3
2377.4	67.5°	2309.3	2240.9	2135.5	2030.3	2036.0	2041.6	2165.6	2289.6	2392.7	2397.5
2185.3	70°	2126.3	2067.4	1974.8	1882.3	1901.9	1921.6	2009.8	2098.0	2131.8	2131.8
1958.2	72.5°	1905.0	1851.7	1779.0	1706.1	1734.7	1763.5	1824.0	1884.4	1884.0	1862.6
1698.4	75°	1650.2	1602.0	1547.8	1493.7	1521.4	1548.9	1595.6	1642.1	1650.4	1551.7
1439.8	77.5°	1398.3	1356.8	1312.9	1268.8	1296.8	1324.7	1362.0	1399.4	1403.7	1241.1
1155.9	80°	1121.0	1086.1	1049.6	1013.0	1036.5	1059.9	1091.3	1122.5	1123.2	928.9
731.3	82.5°	743.6	755.8	758.8	761.9	778.5	795.1	810.4	825.6	816.5	650.6
374.4	85°	408.2	442.1	458.0	473.7	492.3	510.8	527.2	543.6	531.6	408.2
167.0	87.5°	193.0	218.7	219.4	220.1	223.5	227.0	233.6	240.1	224.9	173.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
5689.1	0°	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1	5689.1
5776.0	2.5°	5824.1	5874.3	5924.5	5974.3	6024.2	6071.2	6118.1
5859.4	5°	5956.6	6060.5	6164.6	6267.9	6371.4	6475.1	6578.8
5940.0	7.5°	6075.6	6229.5	6383.4	6541.4	6699.5	6870.4	7041.6
6011.8	10°	6172.0	6359.1	6546.0	6754.7	6963.6	7180.0	7396.3
6042.6	12.5°	6224.0	6444.5	6665.0	6901.6	7138.3	7375.8	7613.5
6018.8	15°	6228.8	6482.7	6736.6	6993.3	7250.1	7497.8	7745.6
5915.1	17.5°	6167.7	6462.4	6757.1	7037.2	7317.3	7568.6	7819.8
5736.3	20°	6049.4	6406.5	6763.7	7071.5	7379.3	7640.6	7901.7
5526.5	22.5°	5903.5	6338.0	6772.4	7117.8	7462.9	7729.9	7996.7
5292.3	25°	5733.9	6270.3	6806.9	7201.6	7596.1	7857.4	8118.9
5078.1	27.5°	5571.3	6225.1	6878.9	7332.6	7786.0	8035.5	8284.8
4899.1	30°	5429.8	6203.9	6977.6	7502.2	8026.8	8267.6	8508.6
4744.7	32.5°	5292.3	6177.7	7062.7	7679.3	8295.8	8534.2	8772.8
4593.0	35°	5132.0	6128.4	7125.2	7881.0	8636.8	8865.3	9093.7
4414.4	37.5°	4925.5	6043.9	7162.3	8106.9	9051.5	9342.8	9634.0
4201.4	40°	4669.6	5927.5	7185.7	8393.8	9601.7	10026.1	10450.5
3966.2	42.5°	4385.4	5807.5	7230.0	8769.1	10308.1	10920.7	11533.3
3716.5	45°	4084.1	5695.9	7307.9	9262.9	11217.8	12044.1	12870.4
3518.9	47.5°	3846.2	5603.8	7361.4	9789.0	12216.6	13379.7	14542.7
3387.7	50°	3680.3	5503.4	7326.5	10277.1	13227.8	14981.3	16734.5
3301.3	52.5°	3556.3	5333.7	7111.4	10594.1	14076.6	16663.6	19250.5
3238.6	55°	3437.9	5052.6	6667.2	10524.3	14381.1	18155.0	21929.2
3164.4	57.5°	3305.2	4656.1	6006.8	10032.6	14058.7	19212.1	24365.5
3050.9	60°	3161.6	4141.3	5121.1	9117.7	13114.3	19476.3	25838.0
2853.5	62.5°	2927.1	3525.3	4123.4	7880.5	11637.6	18364.0	25090.3
2657.0	65°	2691.8	2971.0	3250.2	6618.3	9986.6	16790.2	23593.8
2378.3	67.5°	2358.8	2438.3	2517.5	5381.8	8246.0	14917.3	21588.6
2042.1	70°	1952.1	1929.6	1906.9	4237.4	6567.8	12873.7	19179.6
1735.3	72.5°	1607.8	1539.3	1471.0	3239.5	5008.0	10658.3	16308.8
1409.0	75°	1266.2	1204.2	1142.2	2351.2	3560.2	8118.7	12677.2
1102.5	77.5°	963.8	921.5	879.4	1593.2	2307.1	5682.4	9057.7
811.7	80°	694.2	676.8	659.3	1026.5	1393.9	3661.0	5928.2
564.1	82.5°	477.7	474.2	471.1	631.4	792.0	2118.9	3446.0
344.9	85°	281.6	283.4	284.9	337.5	390.3	953.1	1516.2
147.6	87.5°	121.8	123.3	124.9	139.9	155.0	312.2	469.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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