

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: P954796

Luminaire Tested: **GALN-SB7D-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954796
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-SB7D-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52253 lumens
Efficiency: N/A
Efficacy: 101.9 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

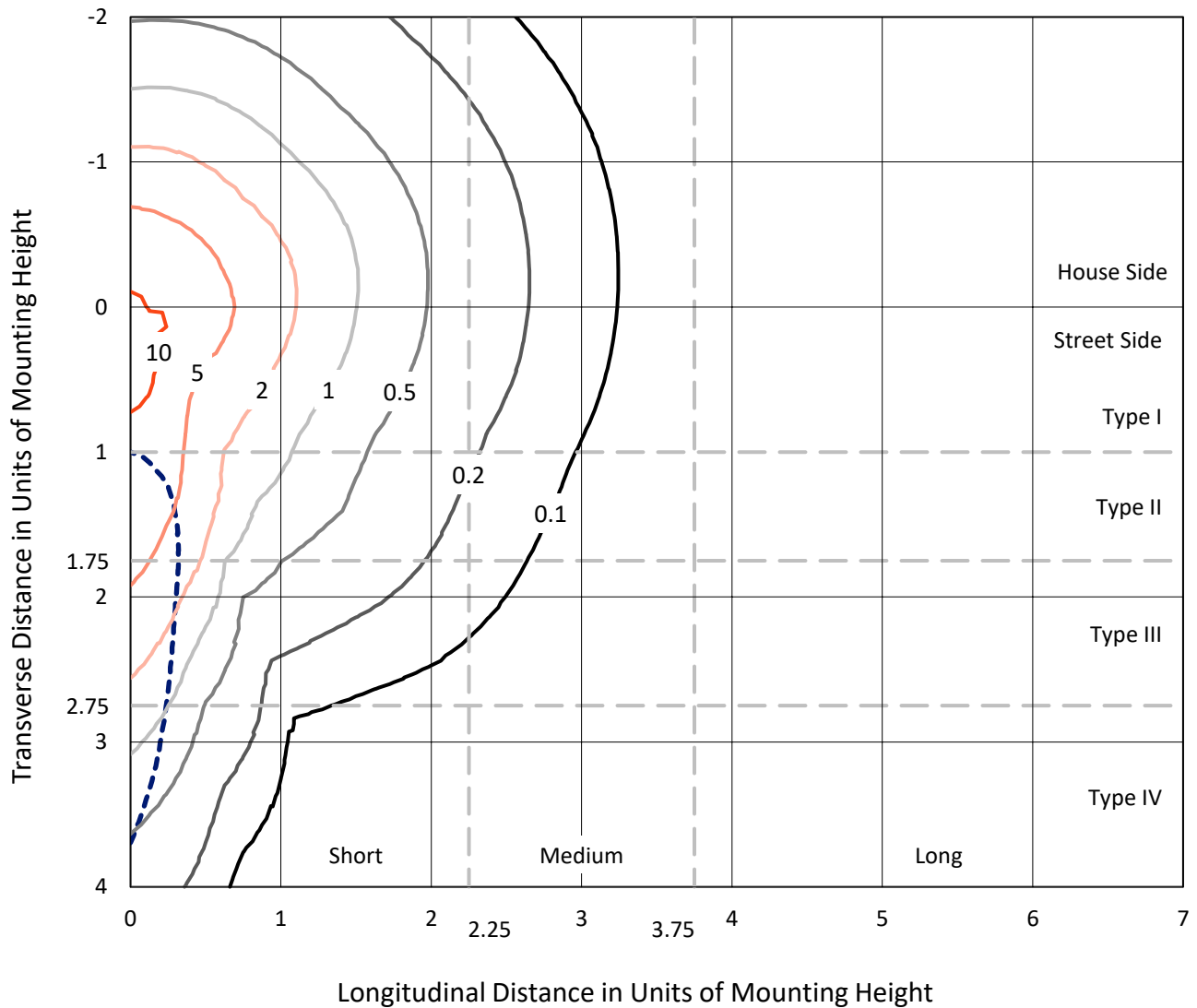
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

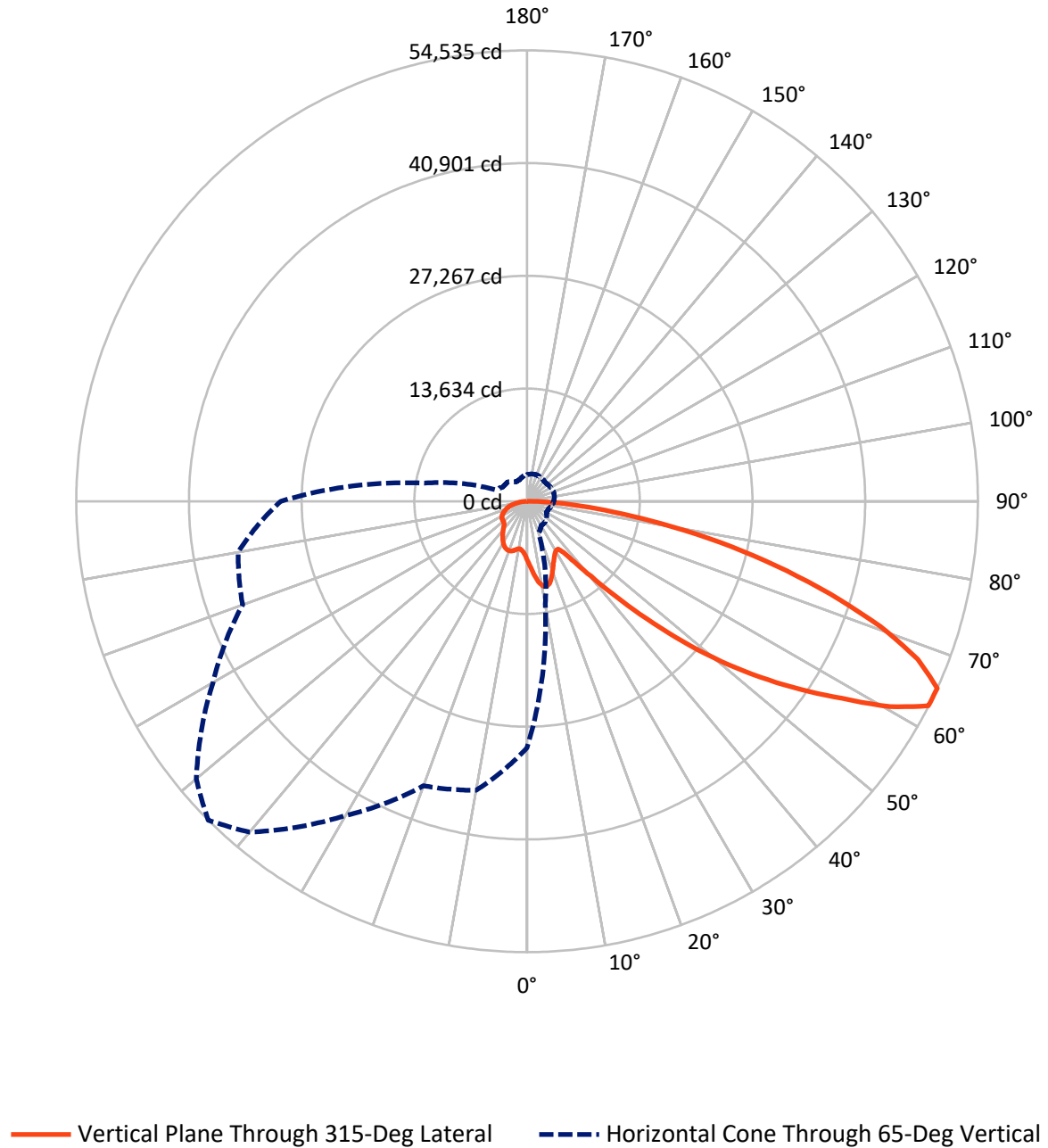
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13280.1	0.0	13280.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	38972.9	0.0	38972.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	52253.0	0.0	52253.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.8	1.4
10°-20°	2237.5	4.3
20°-30°	3456.2	6.6
30°-40°	4379.9	8.4
40°-50°	6606.0	12.6
50°-60°	10672.9	20.4
60°-70°	13305.5	25.5
70°-80°	8725.1	16.7
80°-90°	2157.1	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°	52253.0	100.0
0°-180°	52253.0	100.0



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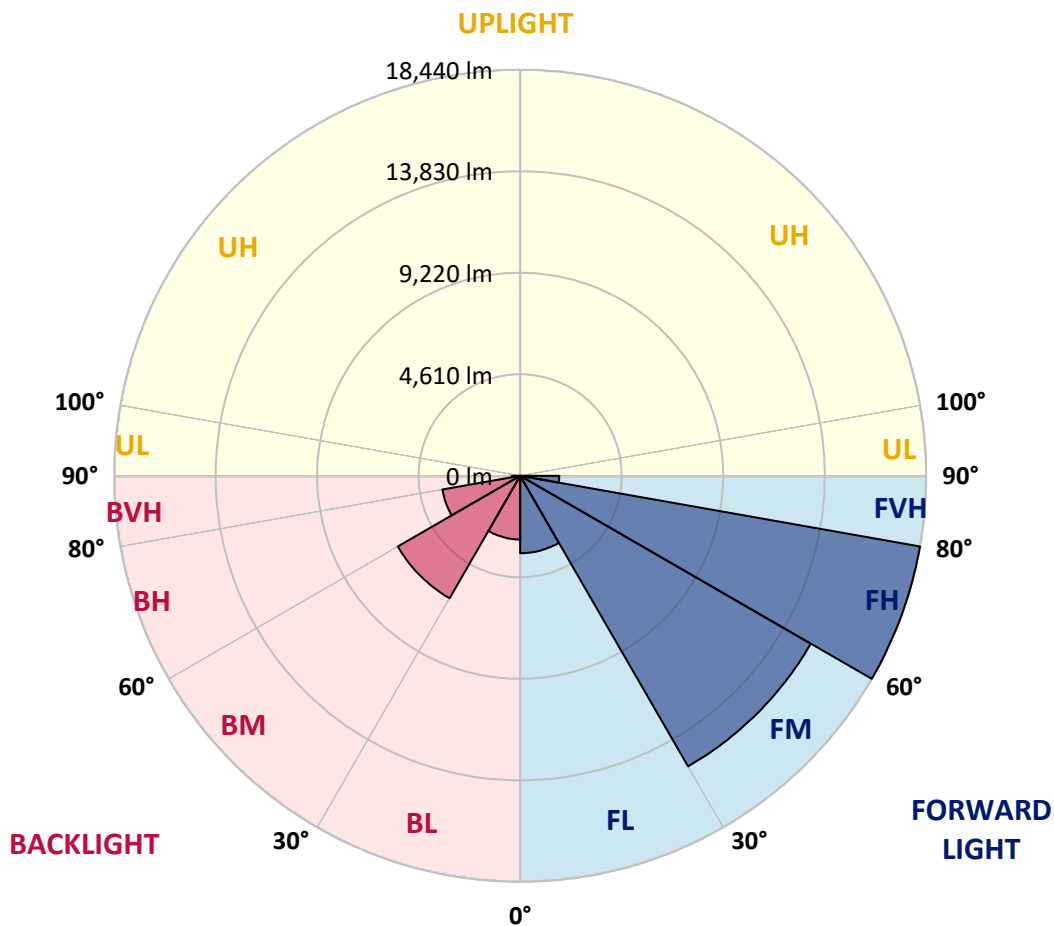
CATALOG NUMBER: GALN-SB7D-940-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3514.6	6.7			
FM (30°-60°)	15241.1	29.2			
FH (60°-80°)	18440.3	35.3			G5
FVH (80°-90°)	1776.9	3.4			G5
BL (0°-30°)	2891.9	5.5	B4/5000		
BM (30°-60°)	6417.7	12.3	B4/8500		
BH (60°-80°)	3590.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	380.1	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°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
2.5°	7727.0	7667.7	7608.5	7545.3	7482.5	7419.0	7355.6	7295.0	7234.3	7175.6
5°	8308.8	8177.8	8046.9	7916.2	7785.8	7654.2	7523.0	7400.3	7277.6	7161.8
7.5°	8893.3	8677.2	8461.3	8261.6	8062.0	7867.6	7673.3	7502.0	7330.8	7172.8
10°	9341.4	9068.1	8794.9	8531.0	8267.4	8031.4	7795.1	7592.8	7389.8	7194.9
12.5°	9615.7	9315.4	9015.5	8716.6	8417.7	8139.2	7860.7	7631.6	7402.5	7197.6
15°	9782.5	9469.6	9156.6	8832.4	8508.1	8187.5	7866.8	7601.6	7336.3	7109.4
17.5°	9876.3	9558.9	9241.5	8887.8	8534.1	8161.8	7789.6	7470.6	7151.6	6884.7
20°	9979.6	9649.9	9319.9	8931.1	8542.3	8091.3	7640.2	7244.8	6849.4	6538.7
22.5°	10099.6	9762.7	9425.5	8989.5	8553.4	8004.7	7456.0	6979.8	6503.7	6149.9
25°	10254.0	9923.7	9593.6	9095.4	8596.9	7919.2	7241.8	6684.0	6126.5	5763.9
27.5°	10463.5	10148.7	9833.5	9260.9	8687.9	7862.1	7036.3	6413.5	5790.7	5460.6
30°	10746.1	10441.8	10137.6	9475.1	8812.5	7835.4	6857.7	6187.4	5517.1	5240.0
32.5°	11079.8	10778.4	10477.3	9698.7	8920.1	7802.3	6684.0	5992.5	5300.7	5077.4
35°	11485.1	11196.7	10908.0	9953.5	8998.9	7740.0	6481.6	5800.9	5120.1	4934.0
37.5°	12167.5	11799.7	11431.9	10238.8	9045.8	7633.3	6220.8	5575.3	4929.9	4767.2
40°	13198.7	12662.7	12126.7	10601.1	9075.3	7486.3	5897.6	5306.2	4714.8	4567.3
42.5°	14566.2	13792.6	13018.9	11075.1	9131.3	7334.7	5538.6	5009.3	4479.9	4344.0
45°	16255.0	15211.4	14167.8	11698.8	9229.7	7193.8	5158.2	4693.8	4229.5	4091.7
47.5°	18367.0	16898.3	15429.2	12363.2	9297.2	7077.4	4857.6	4444.3	4031.0	3853.2
50°	21135.2	18920.9	16706.4	12979.7	9253.1	6950.6	4648.1	4278.6	3909.1	3675.3
52.5°	24312.9	21045.6	17778.4	13380.1	8981.5	6736.4	4491.5	4169.4	3847.7	3578.8
55°	27696.0	22929.3	18163.0	13291.9	8420.5	6381.2	4342.0	4090.3	3838.6	3588.5
57.5°	30773.0	24264.4	17755.8	12670.9	7586.4	5880.5	4174.4	3996.5	3818.7	3598.1
60°	32632.7	24598.0	16563.0	11515.4	6467.8	5230.4	3993.0	3853.2	3713.4	3567.8
62.5°	31688.4	23193.2	14698.0	9952.9	5207.8	4452.3	3696.8	3603.9	3511.3	3493.4
65°	29798.3	21205.5	12612.8	8358.7	4104.9	3752.3	3399.6	3355.8	3311.9	3314.1
67.5°	27265.9	18840.2	10414.5	6797.0	3179.6	3079.5	2979.1	3003.7	3027.9	3021.9
70°	24223.3	16259.2	8295.0	5351.7	2408.4	2437.1	2465.5	2579.1	2692.4	2692.4
72.5°	20597.6	13461.2	6325.0	4091.4	1857.8	1944.1	2030.7	2191.7	2352.4	2379.5
75°	16011.0	10253.7	4496.4	2969.5	1442.6	1520.9	1599.2	1779.5	1959.8	2084.4
77.5°	11439.6	7176.7	2913.8	2012.2	1110.6	1163.8	1217.3	1392.4	1567.5	1772.9
80°	7487.1	4623.8	1760.5	1296.4	832.7	854.7	876.8	1025.1	1173.2	1418.6
82.5°	4352.2	2676.1	1000.3	797.4	595.0	598.9	603.3	712.5	821.6	1031.2
85°	1914.9	1203.8	493.0	426.3	359.8	357.9	355.7	435.6	515.6	671.4
87.5°	592.8	394.3	195.8	176.7	157.7	155.8	153.9	186.4	219.2	284.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
7110.2	2.5°	7057.3	7004.6	6956.9	6909.5	6867.9	6826.3	6784.3	6742.7	6710.4	6677.9
7047.4	5°	6947.6	6847.5	6763.7	6680.1	6606.2	6532.3	6465.3	6398.1	6346.5	6294.7
7024.8	7.5°	6891.9	6759.3	6649.0	6538.7	6445.8	6352.6	6270.4	6188.5	6127.0	6065.8
7035.8	10°	6895.7	6755.7	6645.4	6535.1	6435.0	6334.6	6242.3	6149.9	6076.6	6003.0
7049.6	12.5°	6934.9	6820.7	6747.4	6674.6	6595.8	6517.4	6421.8	6326.4	6232.6	6138.9
6990.9	15°	6936.0	6881.4	6891.3	6901.2	6880.8	6860.4	6777.4	6694.5	6561.0	6427.6
6811.6	17.5°	6831.8	6851.6	6971.8	7092.0	7156.0	7219.7	7152.7	7086.0	6909.2	6732.5
6519.4	20°	6613.1	6706.9	6915.6	7124.6	7258.3	7392.0	7361.1	7330.0	7127.9	6926.1
6187.7	22.5°	6326.4	6465.1	6703.3	6942.1	7116.0	7290.0	7308.8	7327.2	7134.2	6941.2
5865.9	25°	6025.8	6185.8	6400.0	6614.5	6785.7	6956.9	7020.9	7084.6	6926.3	6768.4
5584.7	27.5°	5739.1	5893.5	6069.7	6245.6	6382.9	6520.2	6591.3	6662.7	6550.0	6437.5
5337.4	30°	5459.8	5582.8	5728.9	5875.0	5988.9	6103.0	6160.9	6218.8	6133.1	6047.1
5120.7	32.5°	5193.2	5265.7	5382.3	5499.2	5608.4	5717.9	5782.1	5846.6	5767.8	5688.6
4916.1	35°	4935.9	4956.0	5045.1	5133.9	5242.0	5350.3	5427.5	5504.7	5448.5	5392.5
4701.6	37.5°	4679.5	4657.4	4721.4	4785.1	4892.9	5001.0	5096.4	5191.8	5165.9	5140.0
4466.6	40°	4416.7	4366.8	4412.9	4458.9	4563.1	4667.4	4777.1	4887.1	4893.5	4899.5
4217.1	42.5°	4150.9	4084.8	4122.3	4160.0	4258.8	4357.7	4476.3	4594.9	4626.6	4658.3
3969.0	45°	3904.5	3840.2	3871.6	3903.6	3997.4	4091.1	4214.1	4337.1	4382.6	4428.0
3747.6	47.5°	3693.5	3639.5	3669.3	3698.8	3790.6	3882.1	4003.4	4124.8	4177.1	4229.5
3552.6	50°	3504.7	3457.0	3503.3	3549.9	3636.5	3722.8	3831.4	3940.0	4007.3	4074.6
3407.3	52.5°	3359.9	3312.8	3382.5	3452.0	3531.4	3610.5	3711.7	3813.2	3892.9	3972.6
3330.1	55°	3255.1	3180.4	3279.4	3378.1	3463.6	3549.1	3637.8	3726.3	3810.7	3895.4
3283.8	57.5°	3174.6	3065.4	3171.9	3278.3	3378.7	3479.0	3566.7	3654.7	3739.9	3824.8
3240.2	60°	3098.8	2957.1	3050.6	3143.7	3259.0	3374.2	3463.3	3552.6	3638.1	3723.6
3189.5	62.5°	3012.5	2835.8	2895.0	2954.3	3088.6	3223.2	3318.3	3413.4	3491.7	3570.0
3082.5	65°	2894.5	2706.2	2729.1	2751.7	2895.6	3039.8	3130.8	3221.8	3290.7	3359.6
2891.7	67.5°	2735.1	2578.5	2571.4	2564.2	2697.1	2830.3	2916.6	3002.6	3062.1	3121.7
2649.7	70°	2538.3	2426.9	2402.1	2377.2	2494.2	2611.1	2685.5	2759.9	2813.7	2867.5
2380.0	72.5°	2303.6	2227.3	2190.9	2154.7	2246.8	2338.6	2405.9	2473.2	2525.9	2578.5
2074.0	75°	2015.2	1956.2	1921.5	1886.5	1954.8	2023.2	2084.2	2145.1	2193.1	2241.0
1767.4	77.5°	1720.2	1673.1	1637.8	1602.5	1658.2	1713.6	1766.0	1818.4	1868.8	1919.0
1417.7	80°	1378.3	1338.6	1309.1	1279.3	1325.7	1371.7	1415.8	1459.9	1498.3	1536.3
1042.8	82.5°	1023.5	1004.2	983.2	962.3	958.4	954.5	939.1	923.7	1005.3	1086.9
686.5	85°	665.9	645.2	621.7	598.3	578.5	558.3	515.6	472.9	549.2	625.9
303.3	87.5°	295.0	286.7	282.3	277.9	277.1	276.3	243.7	210.9	242.9	275.2
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°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
6651.7	2.5°	6625.5	6605.1	6584.7	6566.0	6546.9	6523.5	6546.9	6566.0	6584.7	6605.1
6258.5	5°	6222.4	6196.8	6171.1	6151.6	6132.0	6112.7	6132.0	6151.6	6171.1	6196.8
6022.8	7.5°	5979.8	5950.3	5921.1	5903.4	5886.0	5872.8	5886.0	5903.4	5921.1	5950.3
5955.0	10°	5906.5	5878.6	5850.8	5835.9	5821.0	5814.9	5821.0	5835.9	5850.8	5878.6
6076.8	12.5°	6014.8	5983.7	5952.8	5940.1	5927.4	5925.2	5927.4	5940.1	5952.8	5983.7
6333.3	15°	6239.0	6195.7	6152.7	6136.1	6119.6	6118.2	6119.6	6136.1	6152.7	6195.7
6593.5	17.5°	6454.6	6390.6	6326.4	6305.4	6284.2	6280.9	6284.2	6305.4	6326.4	6390.6
6755.7	20°	6585.5	6503.7	6421.5	6395.3	6369.1	6360.8	6369.1	6395.3	6421.5	6503.7
6765.9	22.5°	6590.2	6503.9	6417.4	6388.4	6359.5	6347.1	6359.5	6388.4	6417.4	6503.9
6612.3	25°	6456.8	6381.8	6307.1	6279.8	6252.8	6236.8	6252.8	6279.8	6307.1	6381.8
6316.4	27.5°	6195.4	6145.2	6094.8	6082.4	6070.0	6065.8	6070.0	6082.4	6094.8	6145.2
5960.5	30°	5873.4	5847.7	5821.8	5821.8	5821.8	5825.9	5821.8	5821.8	5821.8	5847.7
5619.4	32.5°	5550.2	5533.4	5516.6	5518.8	5521.3	5525.4	5521.3	5518.8	5516.6	5533.4
5328.5	35°	5264.9	5239.2	5213.8	5208.3	5202.8	5200.1	5202.8	5208.3	5213.8	5239.2
5081.2	37.5°	5022.2	4975.6	4929.3	4904.8	4880.2	4866.4	4880.2	4904.8	4929.3	4975.6
4849.6	40°	4799.7	4731.9	4664.6	4618.8	4573.6	4546.6	4573.6	4618.8	4664.6	4731.9
4616.1	42.5°	4574.2	4490.1	4406.0	4339.5	4273.1	4229.5	4273.1	4339.5	4406.0	4490.1
4390.0	45°	4352.2	4256.0	4160.0	4082.0	4004.0	3953.8	4004.0	4082.0	4160.0	4256.0
4203.1	47.5°	4176.6	4091.1	4005.6	3933.4	3861.4	3813.2	3861.4	3933.4	4005.6	4091.1
4072.9	50°	4071.8	4003.4	3935.1	3868.3	3801.6	3755.3	3801.6	3868.3	3935.1	4003.4
3986.9	52.5°	4001.2	3945.5	3889.8	3830.0	3770.5	3727.7	3770.5	3830.0	3889.8	3945.5
3915.2	55°	3935.1	3886.5	3838.0	3785.6	3733.2	3694.6	3733.2	3785.6	3838.0	3886.5
3844.9	57.5°	3865.0	3816.0	3766.9	3715.0	3662.9	3622.9	3662.9	3715.0	3766.9	3816.0
3745.6	60°	3767.7	3719.7	3672.0	3618.5	3565.0	3523.7	3565.0	3618.5	3672.0	3719.7
3591.2	62.5°	3612.5	3569.2	3525.9	3469.6	3413.4	3363.8	3413.4	3469.6	3525.9	3569.2
3381.4	65°	3402.9	3361.3	3319.7	3265.1	3210.7	3168.0	3210.7	3265.1	3319.7	3361.3
3142.9	67.5°	3163.9	3125.6	3087.5	3036.8	2986.0	2947.4	2986.0	3036.8	3087.5	3125.6
2887.9	70°	2908.3	2877.1	2846.0	2797.4	2748.9	2704.8	2748.9	2797.4	2846.0	2877.1
2602.8	72.5°	2627.1	2601.1	2575.2	2528.9	2482.8	2440.1	2482.8	2528.9	2575.2	2601.1
2266.4	75°	2291.8	2279.1	2266.4	2227.5	2188.7	2147.9	2188.7	2227.5	2266.4	2279.1
1942.7	77.5°	1966.4	1948.8	1930.6	1891.4	1852.3	1819.7	1852.3	1891.4	1930.6	1948.8
1567.7	80°	1599.2	1591.5	1584.0	1531.3	1478.4	1417.2	1478.4	1531.3	1584.0	1591.5
1140.4	82.5°	1193.9	1190.6	1187.0	1142.6	1097.9	1058.8	1097.9	1142.6	1187.0	1190.6
692.1	85°	758.2	752.7	747.2	712.5	677.7	642.4	677.7	712.5	747.2	752.7
301.9	87.5°	328.7	322.0	314.9	297.2	279.0	261.9	279.0	297.2	314.9	322.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
6625.5	2.5°	6651.7	6677.9	6710.4	6742.7	6784.3	6826.3	6867.9	6909.5	6956.9	7004.6
6222.4	5°	6258.5	6294.7	6346.5	6398.1	6465.3	6532.3	6606.2	6680.1	6763.7	6847.5
5979.8	7.5°	6022.8	6065.8	6127.0	6188.5	6270.4	6352.6	6445.8	6538.7	6649.0	6759.3
5906.5	10°	5955.0	6003.0	6076.6	6149.9	6242.3	6334.6	6435.0	6535.1	6645.4	6755.7
6014.8	12.5°	6076.8	6138.9	6232.6	6326.4	6421.8	6517.4	6595.8	6674.6	6747.4	6820.7
6239.0	15°	6333.3	6427.6	6561.0	6694.5	6777.4	6860.4	6880.8	6901.2	6891.3	6881.4
6454.6	17.5°	6593.5	6732.5	6909.2	7086.0	7152.7	7219.7	7156.0	7092.0	6971.8	6851.6
6585.5	20°	6755.7	6926.1	7127.9	7330.0	7361.1	7392.0	7258.3	7124.6	6915.6	6706.9
6590.2	22.5°	6765.9	6941.2	7134.2	7327.2	7308.8	7290.0	7116.0	6942.1	6703.3	6465.1
6456.8	25°	6612.3	6768.4	6926.3	7084.6	7020.9	6956.9	6785.7	6614.5	6400.0	6185.8
6195.4	27.5°	6316.4	6437.5	6550.0	6662.7	6591.3	6520.2	6382.9	6245.6	6069.7	5893.5
5873.4	30°	5960.5	6047.1	6133.1	6218.8	6160.9	6103.0	5988.9	5875.0	5728.9	5582.8
5550.2	32.5°	5619.4	5688.6	5767.8	5846.6	5782.1	5717.9	5608.4	5499.2	5382.3	5265.7
5264.9	35°	5328.5	5392.5	5448.5	5504.7	5427.5	5350.3	5242.0	5133.9	5045.1	4956.0
5022.2	37.5°	5081.2	5140.0	5165.9	5191.8	5096.4	5001.0	4892.9	4785.1	4721.4	4657.4
4799.7	40°	4849.6	4899.5	4893.5	4887.1	4777.1	4667.4	4563.1	4458.9	4412.9	4366.8
4574.2	42.5°	4616.1	4658.3	4626.6	4594.9	4476.3	4357.7	4258.8	4160.0	4122.3	4084.8
4352.2	45°	4390.0	4428.0	4382.6	4337.1	4214.1	4091.1	3997.4	3903.6	3871.6	3840.2
4176.6	47.5°	4203.1	4229.5	4177.1	4124.8	4003.4	3882.1	3790.6	3698.8	3669.3	3639.5
4071.8	50°	4072.9	4074.6	4007.3	3940.0	3831.4	3722.8	3636.5	3549.9	3503.3	3457.0
4001.2	52.5°	3986.9	3972.6	3892.9	3813.2	3711.7	3610.5	3531.4	3452.0	3382.5	3312.8
3935.1	55°	3915.2	3895.4	3810.7	3726.3	3637.8	3549.1	3463.6	3378.1	3279.4	3180.4
3865.0	57.5°	3844.9	3824.8	3739.9	3654.7	3566.7	3479.0	3378.7	3278.3	3171.9	3065.4
3767.7	60°	3745.6	3723.6	3638.1	3552.6	3463.3	3374.2	3259.0	3143.7	3050.6	2957.1
3612.5	62.5°	3591.2	3570.0	3491.7	3413.4	3318.3	3223.2	3088.6	2954.3	2895.0	2835.8
3402.9	65°	3381.4	3359.6	3290.7	3221.8	3130.8	3039.8	2895.6	2751.7	2729.1	2706.2
3163.9	67.5°	3142.9	3121.7	3062.1	3002.6	2916.6	2830.3	2697.1	2564.2	2571.4	2578.5
2908.3	70°	2887.9	2867.5	2813.7	2759.9	2685.5	2611.1	2494.2	2377.2	2402.1	2426.9
2627.1	72.5°	2602.8	2578.5	2525.9	2473.2	2405.9	2338.6	2246.8	2154.7	2190.9	2227.3
2291.8	75°	2266.4	2241.0	2193.1	2145.1	2084.2	2023.2	1954.8	1886.5	1921.5	1956.2
1966.4	77.5°	1942.7	1919.0	1868.8	1818.4	1766.0	1713.6	1658.2	1602.5	1637.8	1673.1
1599.2	80°	1567.7	1536.3	1498.3	1459.9	1415.8	1371.7	1325.7	1279.3	1309.1	1338.6
1193.9	82.5°	1140.4	1086.9	1005.3	923.7	939.1	954.5	958.4	962.3	983.2	1004.2
758.2	85°	692.1	625.9	549.2	472.9	515.6	558.3	578.5	598.3	621.7	645.2
328.7	87.5°	301.9	275.2	242.9	210.9	243.7	276.3	277.1	277.9	282.3	286.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
7057.3	2.5°	7110.2	7175.6	7234.3	7295.0	7355.6	7419.0	7482.5	7545.3	7608.5	7667.7
6947.6	5°	7047.4	7161.8	7277.6	7400.3	7523.0	7654.2	7785.8	7916.2	8046.9	8177.8
6891.9	7.5°	7024.8	7172.8	7330.8	7502.0	7673.3	7867.6	8062.0	8261.6	8461.3	8677.2
6895.7	10°	7035.8	7194.9	7389.8	7592.8	7795.1	8031.4	8267.4	8531.0	8794.9	9068.1
6934.9	12.5°	7049.6	7197.6	7402.5	7631.6	7860.7	8139.2	8417.7	8716.6	9015.5	9315.4
6936.0	15°	6990.9	7109.4	7336.3	7601.6	7866.8	8187.5	8508.1	8832.4	9156.6	9469.6
6831.8	17.5°	6811.6	6884.7	7151.6	7470.6	7789.6	8161.8	8534.1	8887.8	9241.5	9558.9
6613.1	20°	6519.4	6538.7	6849.4	7244.8	7640.2	8091.3	8542.3	8931.1	9319.9	9649.9
6326.4	22.5°	6187.7	6149.9	6503.7	6979.8	7456.0	8004.7	8553.4	8989.5	9425.5	9762.7
6025.8	25°	5865.9	5763.9	6126.5	6684.0	7241.8	7919.2	8596.9	9095.4	9593.6	9923.7
5739.1	27.5°	5584.7	5460.6	5790.7	6413.5	7036.3	7862.1	8687.9	9260.9	9833.5	10148.7
5459.8	30°	5337.4	5240.0	5517.1	6187.4	6857.7	7835.4	8812.5	9475.1	10137.6	10441.8
5193.2	32.5°	5120.7	5077.4	5300.7	5992.5	6684.0	7802.3	8920.1	9698.7	10477.3	10778.4
4935.9	35°	4916.1	4934.0	5120.1	5800.9	6481.6	7740.0	8998.9	9953.5	10908.0	11196.7
4679.5	37.5°	4701.6	4767.2	4929.9	5575.3	6220.8	7633.3	9045.8	10238.8	11431.9	11799.7
4416.7	40°	4466.6	4567.3	4714.8	5306.2	5897.6	7486.3	9075.3	10601.1	12126.7	12662.7
4150.9	42.5°	4217.1	4344.0	4479.9	5009.3	5538.6	7334.7	9131.3	11075.1	13018.9	13792.6
3904.5	45°	3969.0	4091.7	4229.5	4693.8	5158.2	7193.8	9229.7	11698.8	14167.8	15211.4
3693.5	47.5°	3747.6	3853.2	4031.0	4444.3	4857.6	7077.4	9297.2	12363.2	15429.2	16898.3
3504.7	50°	3552.6	3675.3	3909.1	4278.6	4648.1	6950.6	9253.1	12979.7	16706.4	18920.9
3359.9	52.5°	3407.3	3578.8	3847.7	4169.4	4491.5	6736.4	8981.5	13380.1	17778.4	21045.6
3255.1	55°	3330.1	3588.5	3838.6	4090.3	4342.0	6381.2	8420.5	13291.9	18163.0	22929.3
3174.6	57.5°	3283.8	3598.1	3818.7	3996.5	4174.4	5880.5	7586.4	12670.9	17755.8	24264.4
3098.8	60°	3240.2	3567.8	3713.4	3853.2	3993.0	5230.4	6467.8	11515.4	16563.0	24598.0
3012.5	62.5°	3189.5	3493.4	3511.3	3603.9	3696.8	4452.3	5207.8	9952.9	14698.0	23193.2
2894.5	65°	3082.5	3314.1	3311.9	3355.8	3399.6	3752.3	4104.9	8358.7	12612.8	21205.5
2735.1	67.5°	2891.7	3021.9	3027.9	3003.7	2979.1	3079.5	3179.6	6797.0	10414.5	18840.2
2538.3	70°	2649.7	2692.4	2692.4	2579.1	2465.5	2437.1	2408.4	5351.7	8295.0	16259.2
2303.6	72.5°	2380.0	2379.5	2352.4	2191.7	2030.7	1944.1	1857.8	4091.4	6325.0	13461.2
2015.2	75°	2074.0	2084.4	1959.8	1779.5	1599.2	1520.9	1442.6	2969.5	4496.4	10253.7
1720.2	77.5°	1767.4	1772.9	1567.5	1392.4	1217.3	1163.8	1110.6	2012.2	2913.8	7176.7
1378.3	80°	1417.7	1418.6	1173.2	1025.1	876.8	854.7	832.7	1296.4	1760.5	4623.8
1023.5	82.5°	1042.8	1031.2	821.6	712.5	603.3	598.9	595.0	797.4	1000.3	2676.1
665.9	85°	686.5	671.4	515.6	435.6	355.7	357.9	359.8	426.3	493.0	1203.8
295.0	87.5°	303.3	284.0	219.2	186.4	153.9	155.8	157.7	176.7	195.8	394.3
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°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
7727.0	2.5°	7756.3	7785.8	7827.4	7869.0	7893.8	7918.7	7931.1	7943.5	7938.0	7943.5
8308.8	5°	8411.1	8513.7	8615.1	8716.9	8772.0	8827.1	8860.5	8894.1	8919.5	8894.1
8893.3	7.5°	9059.9	9226.1	9375.8	9525.5	9615.7	9705.9	9754.7	9803.2	9826.6	9803.2
9341.4	10°	9538.2	9735.1	9910.7	10086.4	10192.8	10298.7	10346.1	10393.2	10411.1	10393.2
9615.7	12.5°	9829.1	10042.2	10201.1	10359.3	10436.5	10513.7	10539.6	10565.6	10568.3	10565.6
9782.5	15°	9966.7	10150.6	10250.1	10349.9	10352.7	10355.5	10327.9	10300.3	10267.8	10300.3
9876.3	17.5°	10000.6	10125.0	10126.9	10128.5	10016.9	9905.2	9802.9	9700.3	9628.1	9700.3
9979.6	20°	10022.9	10066.5	9935.5	9804.6	9558.1	9311.6	9132.1	8952.6	8842.3	8952.6
10099.6	22.5°	10042.8	9986.0	9714.7	9443.4	9080.8	8718.2	8493.8	8269.4	8147.5	8269.4
10254.0	25°	10074.8	9895.6	9483.6	9071.7	8631.4	8191.1	7955.0	7719.6	7604.3	7719.6
10463.5	27.5°	10143.2	9822.5	9276.8	8731.5	8243.4	7755.4	7523.3	7291.4	7182.5	7291.4
10746.1	30°	10268.3	9790.8	9119.1	8447.5	7939.1	7430.6	7215.3	7000.0	6898.5	7000.0
11079.8	32.5°	10425.5	9771.5	9011.6	8251.7	7773.9	7296.1	7127.1	6957.8	6884.7	6957.8
11485.1	35°	10684.4	9884.0	9092.1	8300.5	7968.6	7636.9	7597.4	7558.0	7551.9	7558.0
12167.5	37.5°	11225.6	10283.8	9564.1	8844.5	8823.0	8801.5	8981.8	9162.1	9255.9	9162.1
13198.7	40°	12174.4	11150.1	10614.9	10079.7	10457.5	10835.2	11273.6	11712.0	11930.4	11712.0
14566.2	42.5°	13549.9	12533.6	12225.4	11917.1	12741.0	13564.8	14362.2	15159.6	15627.8	15159.6
16255.0	45°	15342.1	14428.9	14293.0	14156.8	15476.7	16796.8	18107.0	19417.5	20213.0	19417.5
18367.0	47.5°	17478.9	16590.6	16563.0	16535.4	18439.5	20343.1	22261.3	24179.2	25305.5	24179.2
21135.2	50°	20038.2	18941.3	18946.0	18950.7	21404.6	23858.5	26390.4	28922.4	30453.2	28922.4
24312.9	52.5°	22984.5	21656.4	21522.1	21387.5	24318.7	27249.9	30382.6	33515.0	35349.9	33515.0
27696.0	55°	26383.6	25071.1	24547.5	24023.9	27286.3	30548.3	34282.9	38017.5	40199.8	38017.5
30773.0	57.5°	30058.3	29343.4	28293.2	27243.2	30537.3	33831.3	38061.4	42291.2	44997.3	42291.2
32632.7	60°	33742.8	34853.1	33548.9	32244.8	35362.1	38479.3	43008.3	47537.3	50462.1	47537.3
31688.4	62.5°	34721.6	37754.8	37607.8	37460.6	40316.2	43172.1	47481.0	51789.7	54493.1	51789.7
29798.3	65°	32645.1	35491.9	36055.2	36618.2	40247.3	43876.5	48054.8	52232.8	54534.5	52232.8
27265.9	67.5°	29973.4	32681.0	32945.1	33209.0	36990.2	40771.1	44967.3	49163.5	50966.7	49163.5
24223.3	70°	27168.2	30113.5	30231.5	30349.8	33731.2	37112.3	40723.4	44334.2	45336.5	44334.2
20597.6	72.5°	23977.1	27356.8	27441.8	27526.4	30171.9	32817.5	35522.0	38226.2	38327.7	38226.2
16011.0	75°	19508.8	23006.5	23320.6	23634.6	25692.9	27751.1	29655.0	31558.8	31048.7	31558.8
11439.6	77.5°	14704.6	17970.0	18419.4	18868.8	20433.5	21998.2	23348.4	24698.9	23822.1	24698.9
7487.1	80°	10234.1	12980.9	13539.5	14098.1	15279.8	16461.0	17170.1	17879.0	16468.7	17879.0
4352.2	82.5°	6230.1	8108.3	8732.3	9356.5	10169.9	10983.3	11279.1	11574.7	10466.3	11574.7
1914.9	85°	2911.6	3908.3	4439.1	4969.8	5638.2	6306.2	6474.2	6642.1	5754.3	6642.1
592.8	87.5°	927.8	1262.8	1558.9	1855.0	2189.2	2523.4	2537.7	2551.8	2142.3	2551.8
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°
7185.2	0°	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2	7185.2
7931.1	2.5°	7918.7	7893.8	7869.0	7827.4	7785.8	7756.3	7727.0
8860.5	5°	8827.1	8772.0	8716.9	8615.1	8513.7	8411.1	8308.8
9754.7	7.5°	9705.9	9615.7	9525.5	9375.8	9226.1	9059.9	8893.3
10346.1	10°	10298.7	10192.8	10086.4	9910.7	9735.1	9538.2	9341.4
10539.6	12.5°	10513.7	10436.5	10359.3	10201.1	10042.2	9829.1	9615.7
10327.9	15°	10355.5	10352.7	10349.9	10250.1	10150.6	9966.7	9782.5
9802.9	17.5°	9905.2	10016.9	10128.5	10126.9	10125.0	10000.6	9876.3
9132.1	20°	9311.6	9558.1	9804.6	9935.5	10066.5	10022.9	9979.6
8493.8	22.5°	8718.2	9080.8	9443.4	9714.7	9986.0	10042.8	10099.6
7955.0	25°	8191.1	8631.4	9071.7	9483.6	9895.6	10074.8	10254.0
7523.3	27.5°	7755.4	8243.4	8731.5	9276.8	9822.5	10143.2	10463.5
7215.3	30°	7430.6	7939.1	8447.5	9119.1	9790.8	10268.3	10746.1
7127.1	32.5°	7296.1	7773.9	8251.7	9011.6	9771.5	10425.5	11079.8
7597.4	35°	7636.9	7968.6	8300.5	9092.1	9884.0	10684.4	11485.1
8981.8	37.5°	8801.5	8823.0	8844.5	9564.1	10283.8	11225.6	12167.5
11273.6	40°	10835.2	10457.5	10079.7	10614.9	11150.1	12174.4	13198.7
14362.2	42.5°	13564.8	12741.0	11917.1	12225.4	12533.6	13549.9	14566.2
18107.0	45°	16796.8	15476.7	14156.8	14293.0	14428.9	15342.1	16255.0
22261.3	47.5°	20343.1	18439.5	16535.4	16563.0	16590.6	17478.9	18367.0
26390.4	50°	23858.5	21404.6	18950.7	18946.0	18941.3	20038.2	21135.2
30382.6	52.5°	27249.9	24318.7	21387.5	21522.1	21656.4	22984.5	24312.9
34282.9	55°	30548.3	27286.3	24023.9	24547.5	25071.1	26383.6	27696.0
38061.4	57.5°	33831.3	30537.3	27243.2	28293.2	29343.4	30058.3	30773.0
43008.3	60°	38479.3	35362.1	32244.8	33548.9	34853.1	33742.8	32632.7
47481.0	62.5°	43172.1	40316.2	37460.6	37607.8	37754.8	34721.6	31688.4
48054.8	65°	43876.5	40247.3	36618.2	36055.2	35491.9	32645.1	29798.3
44967.3	67.5°	40771.1	36990.2	33209.0	32945.1	32681.0	29973.4	27265.9
40723.4	70°	37112.3	33731.2	30349.8	30231.5	30113.5	27168.2	24223.3
35522.0	72.5°	32817.5	30171.9	27526.4	27441.8	27356.8	23977.1	20597.6
29655.0	75°	27751.1	25692.9	23634.6	23320.6	23006.5	19508.8	16011.0
23348.4	77.5°	21998.2	20433.5	18868.8	18419.4	17970.0	14704.6	11439.6
17170.1	80°	16461.0	15279.8	14098.1	13539.5	12980.9	10234.1	7487.1
11279.1	82.5°	10983.3	10169.9	9356.5	8732.3	8108.3	6230.1	4352.2
6474.2	85°	6306.2	5638.2	4969.8	4439.1	3908.3	2911.6	1914.9
2537.7	87.5°	2523.4	2189.2	1855.0	1558.9	1262.8	927.8	592.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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