

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: P953284

Luminaire Tested: **GALN-SB6D-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953284
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-SB6D-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58814 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

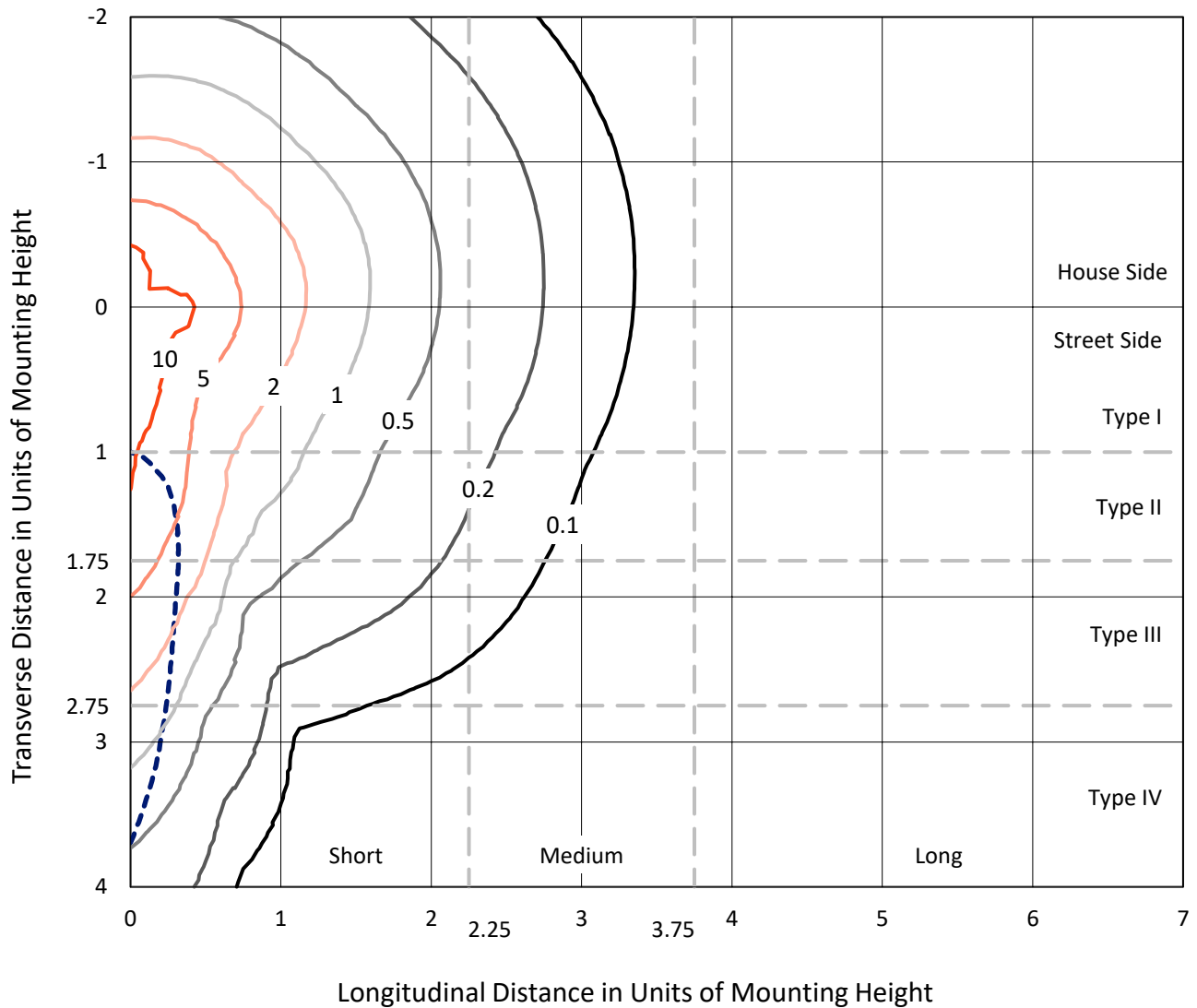
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

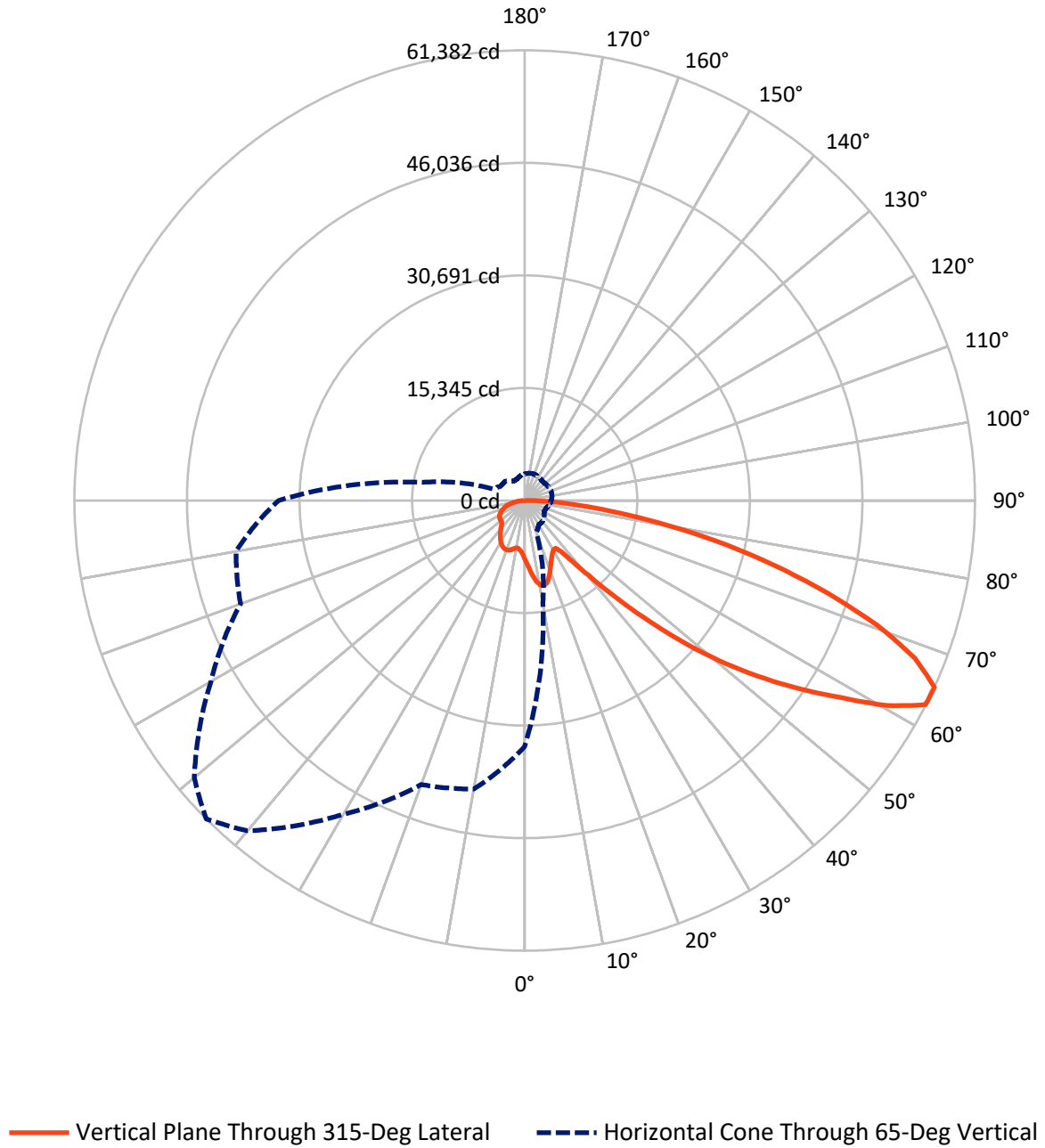
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 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	14947.6	0.0	14947.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	43866.4	0.0	43866.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	58814.0	0.0	58814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.3	1.4
10°-20°	2518.5	4.3
20°-30°	3890.2	6.6
30°-40°	4929.8	8.4
40°-50°	7435.4	12.6
50°-60°	12013.1	20.4
60°-70°	14976.2	25.5
70°-80°	9820.6	16.7
80°-90°	2427.9	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°	58814.0	100.0
0°-180°	58814.0	100.0

Coefficient of Utilization



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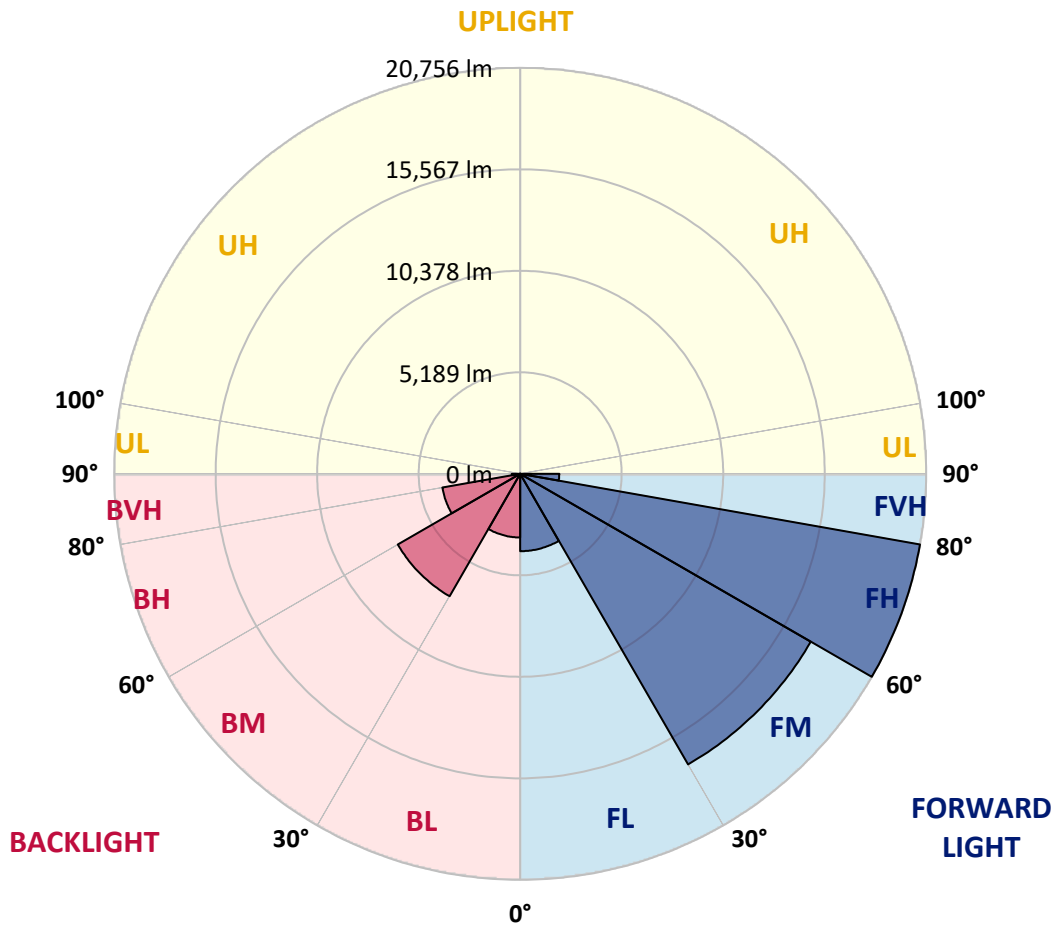
CATALOG NUMBER: GALN-SB6D-850-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3955.9	6.7			
FM (30°-60°)	17154.8	29.2			
FH (60°-80°)	20755.7	35.3			G5
FVH (80°-90°)	2000.1	3.4			G5
BL (0°-30°)	3255.0	5.5	B4/5000		
BM (30°-60°)	7223.6	12.3	B4/8500		
BH (60°-80°)	4041.1	6.9	B4/5000		G4/5000
BVH (80°-90°)	427.8	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°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
2.5°	8697.2	8630.5	8563.8	8492.7	8422.0	8350.6	8279.2	8210.9	8142.7	8076.6
5°	9352.1	9204.7	9057.2	8910.1	8763.3	8615.3	8467.6	8329.5	8191.4	8061.1
7.5°	10010.0	9766.7	9523.7	9299.0	9074.3	8855.5	8636.7	8444.0	8251.3	8073.5
10°	10514.3	10206.7	9899.2	9602.2	9305.5	9039.9	8773.9	8546.1	8317.7	8098.3
12.5°	10823.1	10485.1	10147.5	9811.1	9474.6	9161.2	8847.8	8589.9	8332.0	8101.4
15°	11010.8	10658.6	10306.4	9941.4	9576.4	9215.5	8854.6	8556.0	8257.5	8002.1
17.5°	11116.3	10759.1	10401.9	10003.8	9605.6	9186.7	8767.7	8408.6	8049.6	7749.2
20°	11232.7	10861.6	10490.1	10052.5	9614.9	9107.2	8599.5	8154.5	7709.4	7359.7
22.5°	11367.7	10988.5	10608.9	10118.3	9627.3	9009.8	8392.2	7856.2	7320.3	6922.1
25°	11541.5	11169.7	10798.2	10237.5	9676.4	8913.6	8151.1	7523.2	6895.7	6487.6
27.5°	11777.4	11423.0	11068.2	10423.7	9778.8	8849.3	7919.8	7218.8	6517.7	6146.3
30°	12095.5	11752.8	11410.5	10664.8	9919.1	8819.2	7718.7	6964.3	6209.9	5898.0
32.5°	12471.0	12131.8	11792.9	10916.5	10040.1	8782.0	7523.2	6744.9	5966.3	5714.9
35°	12927.2	12602.6	12277.6	11203.2	10128.8	8711.8	7295.4	6529.2	5763.0	5553.5
37.5°	13695.3	13281.3	12867.3	11524.4	10181.6	8591.7	7001.9	6275.4	5548.9	5365.8
40°	14855.9	14252.6	13649.3	11932.2	10214.8	8426.3	6638.1	5972.5	5306.8	5140.8
42.5°	16395.2	15524.4	14653.6	12465.7	10277.8	8255.6	6234.1	5638.2	5042.4	4889.4
45°	18296.0	17121.4	15946.8	13167.7	10388.6	8097.1	5805.8	5283.2	4760.6	4605.4
47.5°	20673.2	19020.1	17366.6	13915.6	10464.6	7966.1	5467.6	5002.4	4537.2	4337.0
50°	23789.0	21296.7	18804.1	14609.5	10415.0	7823.3	5231.7	4815.8	4400.0	4136.8
52.5°	27365.7	23688.2	20010.7	15060.1	10109.3	7582.2	5055.4	4692.9	4330.8	4028.2
55°	31173.5	25808.4	20443.6	14960.8	9477.7	7182.5	4887.2	4603.9	4320.5	4039.1
57.5°	34636.9	27311.1	19985.2	14261.9	8539.0	6618.9	4698.5	4498.4	4298.2	4049.9
60°	36730.2	27686.6	18642.7	12961.3	7279.9	5887.1	4494.3	4337.0	4179.6	4015.8
62.5°	35667.2	26105.4	16543.5	11202.6	5861.7	5011.4	4161.0	4056.4	3952.2	3932.0
65°	33539.9	23868.2	14196.5	9408.2	4620.3	4223.4	3826.5	3777.1	3727.8	3730.3
67.5°	30689.4	21205.8	11722.1	7650.5	3578.8	3466.2	3353.2	3380.8	3408.1	3401.3
70°	27264.8	18300.7	9336.5	6023.7	2710.8	2743.1	2775.1	2902.9	3030.5	3030.5
72.5°	23183.9	15151.4	7119.2	4605.1	2091.1	2188.2	2285.6	2466.9	2647.8	2678.2
75°	18021.4	11541.2	5061.0	3342.3	1623.7	1711.8	1800.0	2002.9	2205.9	2346.2
77.5°	12876.0	8077.8	3279.7	2264.9	1250.0	1309.9	1370.1	1567.2	1764.3	1995.5
80°	8427.3	5204.4	1981.5	1459.2	937.2	962.1	986.9	1153.8	1320.5	1596.7
82.5°	4898.7	3012.1	1125.9	897.5	669.7	674.1	679.0	801.9	924.8	1160.7
85°	2155.3	1354.9	554.9	479.8	405.0	402.8	400.3	490.3	580.3	755.7
87.5°	667.2	443.8	220.3	198.9	177.5	175.3	173.2	209.8	246.7	319.6
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8003.0	2.5°	7943.4	7884.2	7830.5	7777.1	7730.2	7683.4	7636.2	7589.3	7553.0	7516.4
7932.3	5°	7819.9	7707.3	7612.9	7518.9	7435.7	7352.5	7277.1	7201.4	7143.4	7085.0
7906.8	7.5°	7757.2	7608.0	7483.8	7359.7	7255.1	7150.2	7057.7	6965.6	6896.4	6827.5
7919.2	10°	7761.6	7603.9	7479.8	7355.7	7243.0	7130.0	7026.1	6922.1	6839.6	6756.7
7934.7	12.5°	7805.6	7677.2	7594.6	7512.7	7423.9	7335.8	7228.1	7120.7	7015.2	6909.7
7868.6	15°	7806.9	7745.4	7756.6	7767.8	7744.8	7721.9	7628.4	7535.0	7384.8	7234.6
7666.9	17.5°	7689.6	7711.9	7847.2	7982.5	8054.5	8126.2	8050.8	7975.7	7776.8	7577.9
7338.0	20°	7443.5	7549.0	7783.9	8019.2	8169.7	8320.2	8285.4	8250.4	8022.9	7795.7
6964.6	22.5°	7120.7	7276.8	7545.0	7813.7	8009.5	8205.4	8226.5	8247.3	8030.0	7812.8
6602.5	25°	6782.5	6962.5	7203.6	7445.0	7637.8	7830.5	7902.5	7974.2	7796.0	7618.2
6285.9	27.5°	6459.7	6633.5	6831.8	7029.8	7184.3	7338.9	7419.0	7499.3	7372.4	7245.8
6007.5	30°	6145.3	6283.7	6448.2	6612.7	6740.9	6869.4	6934.5	6999.7	6903.2	6806.4
5763.6	32.5°	5845.2	5926.9	6058.1	6189.7	6312.6	6435.8	6508.1	6580.7	6492.0	6402.9
5533.3	35°	5555.7	5578.3	5678.6	5778.5	5900.2	6022.1	6109.0	6195.9	6132.6	6069.6
5291.9	37.5°	5267.1	5242.2	5314.2	5385.9	5507.3	5628.9	5736.3	5843.7	5814.5	5785.3
5027.5	40°	4971.3	4915.1	4967.0	5018.8	5136.1	5253.4	5376.9	5500.8	5507.9	5514.7
4746.6	42.5°	4672.2	4597.7	4639.9	4682.4	4793.5	4904.9	5038.4	5171.8	5207.5	5243.2
4467.3	45°	4394.7	4322.4	4357.8	4393.8	4499.3	4604.8	4743.2	4881.6	4932.8	4984.0
4218.1	47.5°	4157.3	4096.5	4130.0	4163.2	4266.5	4369.6	4506.1	4642.7	4701.6	4760.6
3998.7	50°	3944.7	3891.0	3943.2	3995.6	4093.1	4190.2	4312.5	4434.7	4510.5	4586.2
3835.2	52.5°	3781.8	3728.7	3807.2	3885.4	3974.8	4063.9	4177.8	4292.0	4381.7	4471.4
3748.3	55°	3663.9	3579.8	3691.2	3802.3	3898.5	3994.7	4094.6	4194.2	4289.2	4384.5
3696.1	57.5°	3573.2	3450.3	3570.1	3689.9	3802.9	3915.9	4014.5	4113.5	4209.4	4305.0
3647.1	60°	3487.9	3328.4	3433.6	3538.5	3668.2	3797.9	3898.2	3998.7	4094.9	4191.1
3590.0	62.5°	3390.8	3191.8	3258.6	3325.3	3476.4	3627.9	3734.9	3842.0	3930.1	4018.3
3469.6	65°	3257.9	3046.0	3071.7	3097.2	3259.2	3421.5	3523.9	3626.3	3703.9	3781.5
3254.8	67.5°	3078.6	2902.3	2894.2	2886.2	3035.7	3185.6	3282.8	3379.6	3446.6	3513.7
2982.4	70°	2857.0	2731.6	2703.7	2675.7	2807.3	2938.9	3022.7	3106.5	3167.0	3227.5
2678.8	72.5°	2592.9	2506.9	2466.0	2425.3	2529.0	2632.3	2708.0	2783.7	2843.0	2902.3
2334.4	75°	2268.3	2201.9	2162.8	2123.3	2200.3	2277.3	2345.9	2414.4	2468.4	2522.4
1989.3	77.5°	1936.2	1883.1	1843.4	1803.7	1866.4	1928.8	1987.7	2046.7	2103.5	2160.0
1595.8	80°	1551.4	1506.7	1473.5	1440.0	1492.1	1543.9	1593.6	1643.2	1686.4	1729.2
1173.7	82.5°	1152.0	1130.3	1106.7	1083.1	1078.7	1074.4	1057.0	1039.6	1131.5	1223.4
772.7	85°	749.5	726.2	699.8	673.4	651.1	628.4	580.3	532.2	618.2	704.5
341.4	87.5°	332.1	322.8	317.8	312.8	311.9	311.0	274.3	237.4	273.4	309.7
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7486.9	2.5°	7457.4	7434.5	7411.5	7390.4	7369.0	7342.6	7369.0	7390.4	7411.5	7434.5
7044.4	5°	7003.7	6974.9	6946.0	6924.0	6901.9	6880.2	6901.9	6924.0	6946.0	6974.9
6779.0	7.5°	6730.6	6697.4	6664.5	6644.7	6625.1	6610.2	6625.1	6644.7	6664.5	6697.4
6702.7	10°	6648.1	6616.7	6585.4	6568.6	6551.9	6545.0	6551.9	6568.6	6585.4	6616.7
6839.9	12.5°	6770.0	6735.0	6700.2	6685.9	6671.7	6669.2	6671.7	6685.9	6700.2	6735.0
7128.5	15°	7022.3	6973.6	6925.2	6906.6	6888.0	6886.4	6888.0	6906.6	6925.2	6973.6
7421.4	17.5°	7265.0	7193.0	7120.7	7097.1	7073.2	7069.5	7073.2	7097.1	7120.7	7193.0
7603.9	20°	7412.4	7320.3	7227.8	7198.3	7168.8	7159.5	7168.8	7198.3	7227.8	7320.3
7615.4	22.5°	7417.7	7320.6	7223.1	7190.6	7158.0	7144.0	7158.0	7190.6	7223.1	7320.6
7442.5	25°	7267.5	7183.1	7099.0	7068.3	7037.9	7019.9	7037.9	7068.3	7099.0	7183.1
7109.6	27.5°	6973.3	6916.8	6860.0	6846.1	6832.1	6827.5	6832.1	6846.1	6860.0	6916.8
6708.9	30°	6610.8	6582.0	6552.8	6552.8	6552.8	6557.5	6552.8	6552.8	6552.8	6582.0
6325.0	32.5°	6247.1	6228.2	6209.3	6211.7	6214.5	6219.2	6214.5	6211.7	6209.3	6228.2
5997.6	35°	5925.9	5897.1	5868.5	5862.3	5856.1	5853.0	5856.1	5862.3	5868.5	5897.1
5719.2	37.5°	5652.8	5600.4	5548.2	5520.6	5493.0	5477.5	5493.0	5520.6	5548.2	5600.4
5458.6	40°	5402.4	5326.0	5250.3	5198.8	5147.9	5117.5	5147.9	5198.8	5250.3	5326.0
5195.7	42.5°	5148.5	5053.9	4959.2	4884.4	4809.6	4760.6	4809.6	4884.4	4959.2	5053.9
4941.2	45°	4898.7	4790.4	4682.4	4594.6	4506.7	4450.3	4506.7	4594.6	4682.4	4790.4
4730.8	47.5°	4701.0	4604.8	4508.6	4427.3	4346.3	4292.0	4346.3	4427.3	4508.6	4604.8
4584.3	50°	4583.1	4506.1	4429.2	4354.1	4279.0	4226.8	4279.0	4354.1	4429.2	4506.1
4487.5	52.5°	4503.6	4440.9	4378.3	4310.9	4243.9	4195.8	4243.9	4310.9	4378.3	4440.9
4406.8	55°	4429.2	4374.5	4319.9	4261.0	4202.0	4158.5	4202.0	4261.0	4319.9	4374.5
4327.7	57.5°	4350.3	4295.1	4239.8	4181.5	4122.9	4077.9	4122.9	4181.5	4239.8	4295.1
4216.0	60°	4240.8	4186.8	4133.1	4072.9	4012.7	3966.1	4012.7	4072.9	4133.1	4186.8
4042.2	62.5°	4066.1	4017.3	3968.6	3905.3	3842.0	3786.1	3842.0	3905.3	3968.6	4017.3
3806.0	65°	3830.2	3783.3	3736.5	3675.0	3613.9	3565.8	3613.9	3675.0	3736.5	3783.3
3537.6	67.5°	3561.1	3518.0	3475.2	3418.1	3361.0	3317.5	3361.0	3418.1	3475.2	3518.0
3250.5	70°	3273.5	3238.4	3203.3	3148.7	3094.1	3044.4	3094.1	3148.7	3203.3	3238.4
2929.6	72.5°	2956.9	2927.7	2898.6	2846.4	2794.6	2746.5	2794.6	2846.4	2898.6	2927.7
2551.0	75°	2579.5	2565.3	2551.0	2507.2	2463.5	2417.5	2463.5	2507.2	2551.0	2565.3
2186.6	77.5°	2213.3	2193.5	2173.0	2128.9	2084.9	2048.2	2084.9	2128.9	2173.0	2193.5
1764.6	80°	1800.0	1791.3	1782.9	1723.6	1664.0	1595.1	1664.0	1723.6	1782.9	1791.3
1283.6	82.5°	1343.8	1340.0	1336.0	1286.0	1235.8	1191.7	1235.8	1286.0	1336.0	1340.0
779.0	85°	853.4	847.2	841.0	801.9	762.8	723.1	762.8	801.9	841.0	847.2
339.8	87.5°	369.9	362.5	354.4	334.5	314.1	294.8	314.1	334.5	354.4	362.5
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7457.4	2.5°	7486.9	7516.4	7553.0	7589.3	7636.2	7683.4	7730.2	7777.1	7830.5	7884.2
7003.7	5°	7044.4	7085.0	7143.4	7201.4	7277.1	7352.5	7435.7	7518.9	7612.9	7707.3
6730.6	7.5°	6779.0	6827.5	6896.4	6965.6	7057.7	7150.2	7255.1	7359.7	7483.8	7608.0
6648.1	10°	6702.7	6756.7	6839.6	6922.1	7026.1	7130.0	7243.0	7355.7	7479.8	7603.9
6770.0	12.5°	6839.9	6909.7	7015.2	7120.7	7228.1	7335.8	7423.9	7512.7	7594.6	7677.2
7022.3	15°	7128.5	7234.6	7384.8	7535.0	7628.4	7721.9	7744.8	7767.8	7756.6	7745.4
7265.0	17.5°	7421.4	7577.9	7776.8	7975.7	8050.8	8126.2	8054.5	7982.5	7847.2	7711.9
7412.4	20°	7603.9	7795.7	8022.9	8250.4	8285.4	8320.2	8169.7	8019.2	7783.9	7549.0
7417.7	22.5°	7615.4	7812.8	8030.0	8247.3	8226.5	8205.4	8009.5	7813.7	7545.0	7276.8
7267.5	25°	7442.5	7618.2	7796.0	7974.2	7902.5	7830.5	7637.8	7445.0	7203.6	6962.5
6973.3	27.5°	7109.6	7245.8	7372.4	7499.3	7419.0	7338.9	7184.3	7029.8	6831.8	6633.5
6610.8	30°	6708.9	6806.4	6903.2	6999.7	6934.5	6869.4	6740.9	6612.7	6448.2	6283.7
6247.1	32.5°	6325.0	6402.9	6492.0	6580.7	6508.1	6435.8	6312.6	6189.7	6058.1	5926.9
5925.9	35°	5997.6	6069.6	6132.6	6195.9	6109.0	6022.1	5900.2	5778.5	5678.6	5578.3
5652.8	37.5°	5719.2	5785.3	5814.5	5843.7	5736.3	5628.9	5507.3	5385.9	5314.2	5242.2
5402.4	40°	5458.6	5514.7	5507.9	5500.8	5376.9	5253.4	5136.1	5018.8	4967.0	4915.1
5148.5	42.5°	5195.7	5243.2	5207.5	5171.8	5038.4	4904.9	4793.5	4682.4	4639.9	4597.7
4898.7	45°	4941.2	4984.0	4932.8	4881.6	4743.2	4604.8	4499.3	4393.8	4357.8	4322.4
4701.0	47.5°	4730.8	4760.6	4701.6	4642.7	4506.1	4369.6	4266.5	4163.2	4130.0	4096.5
4583.1	50°	4584.3	4586.2	4510.5	4434.7	4312.5	4190.2	4093.1	3995.6	3943.2	3891.0
4503.6	52.5°	4487.5	4471.4	4381.7	4292.0	4177.8	4063.9	3974.8	3885.4	3807.2	3728.7
4429.2	55°	4406.8	4384.5	4289.2	4194.2	4094.6	3994.7	3898.5	3802.3	3691.2	3579.8
4350.3	57.5°	4327.7	4305.0	4209.4	4113.5	4014.5	3915.9	3802.9	3689.9	3570.1	3450.3
4240.8	60°	4216.0	4191.1	4094.9	3998.7	3898.2	3797.9	3668.2	3538.5	3433.6	3328.4
4066.1	62.5°	4042.2	4018.3	3930.1	3842.0	3734.9	3627.9	3476.4	3325.3	3258.6	3191.8
3830.2	65°	3806.0	3781.5	3703.9	3626.3	3523.9	3421.5	3259.2	3097.2	3071.7	3046.0
3561.1	67.5°	3537.6	3513.7	3446.6	3379.6	3282.8	3185.6	3035.7	2886.2	2894.2	2902.3
3273.5	70°	3250.5	3227.5	3167.0	3106.5	3022.7	2938.9	2807.3	2675.7	2703.7	2731.6
2956.9	72.5°	2929.6	2902.3	2843.0	2783.7	2708.0	2632.3	2529.0	2425.3	2466.0	2506.9
2579.5	75°	2551.0	2522.4	2468.4	2414.4	2345.9	2277.3	2200.3	2123.3	2162.8	2201.9
2213.3	77.5°	2186.6	2160.0	2103.5	2046.7	1987.7	1928.8	1866.4	1803.7	1843.4	1883.1
1800.0	80°	1764.6	1729.2	1686.4	1643.2	1593.6	1543.9	1492.1	1440.0	1473.5	1506.7
1343.8	82.5°	1283.6	1223.4	1131.5	1039.6	1057.0	1074.4	1078.7	1083.1	1106.7	1130.3
853.4	85°	779.0	704.5	618.2	532.2	580.3	628.4	651.1	673.4	699.8	726.2
369.9	87.5°	339.8	309.7	273.4	237.4	274.3	311.0	311.9	312.8	317.8	322.8
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°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
7943.4	2.5°	8003.0	8076.6	8142.7	8210.9	8279.2	8350.6	8422.0	8492.7	8563.8	8630.5
7819.9	5°	7932.3	8061.1	8191.4	8329.5	8467.6	8615.3	8763.3	8910.1	9057.2	9204.7
7757.2	7.5°	7906.8	8073.5	8251.3	8444.0	8636.7	8855.5	9074.3	9299.0	9523.7	9766.7
7761.6	10°	7919.2	8098.3	8317.7	8546.1	8773.9	9039.9	9305.5	9602.2	9899.2	10206.7
7805.6	12.5°	7934.7	8101.4	8332.0	8589.9	8847.8	9161.2	9474.6	9811.1	10147.5	10485.1
7806.9	15°	7868.6	8002.1	8257.5	8556.0	8854.6	9215.5	9576.4	9941.4	10306.4	10658.6
7689.6	17.5°	7666.9	7749.2	8049.6	8408.6	8767.7	9186.7	9605.6	10003.8	10401.9	10759.1
7443.5	20°	7338.0	7359.7	7709.4	8154.5	8599.5	9107.2	9614.9	10052.5	10490.1	10861.6
7120.7	22.5°	6964.6	6922.1	7320.3	7856.2	8392.2	9009.8	9627.3	10118.3	10608.9	10988.5
6782.5	25°	6602.5	6487.6	6895.7	7523.2	8151.1	8913.6	9676.4	10237.5	10798.2	11169.7
6459.7	27.5°	6285.9	6146.3	6517.7	7218.8	7919.8	8849.3	9778.8	10423.7	11068.2	11423.0
6145.3	30°	6007.5	5898.0	6209.9	6964.3	7718.7	8819.2	9919.1	10664.8	11410.5	11752.8
5845.2	32.5°	5763.6	5714.9	5966.3	6744.9	7523.2	8782.0	10040.1	10916.5	11792.9	12131.8
5555.7	35°	5533.3	5553.5	5763.0	6529.2	7295.4	8711.8	10128.8	11203.2	12277.6	12602.6
5267.1	37.5°	5291.9	5365.8	5548.9	6275.4	7001.9	8591.7	10181.6	11524.4	12867.3	13281.3
4971.3	40°	5027.5	5140.8	5306.8	5972.5	6638.1	8426.3	10214.8	11932.2	13649.3	14252.6
4672.2	42.5°	4746.6	4889.4	5042.4	5638.2	6234.1	8255.6	10277.8	12465.7	14653.6	15524.4
4394.7	45°	4467.3	4605.4	4760.6	5283.2	5805.8	8097.1	10388.6	13167.7	15946.8	17121.4
4157.3	47.5°	4218.1	4337.0	4537.2	5002.4	5467.6	7966.1	10464.6	13915.6	17366.6	19020.1
3944.7	50°	3998.7	4136.8	4400.0	4815.8	5231.7	7823.3	10415.0	14609.5	18804.1	21296.7
3781.8	52.5°	3835.2	4028.2	4330.8	4692.9	5055.4	7582.2	10109.3	15060.1	20010.7	23688.2
3663.9	55°	3748.3	4039.1	4320.5	4603.9	4887.2	7182.5	9477.7	14960.8	20443.6	25808.4
3573.2	57.5°	3696.1	4049.9	4298.2	4498.4	4698.5	6618.9	8539.0	14261.9	19985.2	27311.1
3487.9	60°	3647.1	4015.8	4179.6	4337.0	4494.3	5887.1	7279.9	12961.3	18642.7	27686.6
3390.8	62.5°	3590.0	3932.0	3952.2	4056.4	4161.0	5011.4	5861.7	11202.6	16543.5	26105.4
3257.9	65°	3469.6	3730.3	3727.8	3777.1	3826.5	4223.4	4620.3	9408.2	14196.5	23868.2
3078.6	67.5°	3254.8	3401.3	3408.1	3380.8	3353.2	3466.2	3578.8	7650.5	11722.1	21205.8
2857.0	70°	2982.4	3030.5	3030.5	2902.9	2775.1	2743.1	2710.8	6023.7	9336.5	18300.7
2592.9	72.5°	2678.8	2678.2	2647.8	2466.9	2285.6	2188.2	2091.1	4605.1	7119.2	15151.4
2268.3	75°	2334.4	2346.2	2205.9	2002.9	1800.0	1711.8	1623.7	3342.3	5061.0	11541.2
1936.2	77.5°	1989.3	1995.5	1764.3	1567.2	1370.1	1309.9	1250.0	2264.9	3279.7	8077.8
1551.4	80°	1595.8	1596.7	1320.5	1153.8	986.9	962.1	937.2	1459.2	1981.5	5204.4
1152.0	82.5°	1173.7	1160.7	924.8	801.9	679.0	674.1	669.7	897.5	1125.9	3012.1
749.5	85°	772.7	755.7	580.3	490.3	400.3	402.8	405.0	479.8	554.9	1354.9
332.1	87.5°	341.4	319.6	246.7	209.8	173.2	175.3	177.5	198.9	220.3	443.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8697.2	2.5°	8730.1	8763.3	8810.2	8857.1	8885.0	8912.9	8926.9	8940.9	8934.7	8940.9
9352.1	5°	9467.2	9582.6	9696.8	9811.4	9873.4	9935.5	9973.1	10010.9	10039.5	10010.9
10010.0	7.5°	10197.4	10384.6	10553.1	10721.6	10823.1	10924.5	10979.5	11034.1	11060.5	11034.1
10514.3	10°	10735.9	10957.4	11155.1	11352.8	11472.6	11591.8	11645.2	11698.2	11718.4	11698.2
10823.1	12.5°	11063.3	11303.2	11481.9	11660.1	11746.9	11833.8	11863.0	11892.2	11895.3	11892.2
11010.8	15°	11218.1	11425.1	11537.2	11649.5	11652.6	11655.7	11624.7	11593.6	11557.0	11593.6
11116.3	17.5°	11256.3	11396.3	11398.4	11400.3	11274.6	11148.9	11033.8	10918.3	10837.0	10918.3
11232.7	20°	11281.4	11330.5	11183.1	11035.7	10758.2	10480.8	10278.7	10076.7	9952.6	10076.7
11367.7	22.5°	11303.8	11239.9	10934.5	10629.1	10221.0	9812.9	9560.3	9307.7	9170.5	9307.7
11541.5	25°	11339.8	11138.1	10674.4	10210.8	9715.2	9219.5	8953.9	8688.9	8559.1	8688.9
11777.4	27.5°	11416.7	11055.8	10441.7	9827.8	9278.5	8729.2	8467.9	8206.9	8084.3	8206.9
12095.5	30°	11557.6	11020.1	10264.1	9508.2	8935.9	8363.6	8121.3	7878.9	7764.7	7878.9
12471.0	32.5°	11734.5	10998.4	10143.1	9287.8	8750.0	8212.2	8022.0	7831.4	7749.2	7831.4
12927.2	35°	12025.9	11125.0	10233.7	9342.8	8969.1	8595.8	8551.4	8507.0	8500.2	8507.0
13695.3	37.5°	12635.1	11575.0	10765.0	9955.1	9930.8	9906.6	10109.6	10312.6	10418.1	10312.6
14855.9	40°	13703.0	12550.1	11947.7	11345.4	11770.5	12195.7	12689.1	13182.6	13428.4	13182.6
16395.2	42.5°	15251.3	14107.4	13760.4	13413.5	14340.8	15268.1	16165.6	17063.1	17590.0	17063.1
18296.0	45°	17268.5	16240.7	16087.7	15934.4	17419.9	18905.8	20380.6	21855.6	22750.9	21855.6
20673.2	47.5°	19673.6	18673.7	18642.7	18611.6	20754.8	22897.4	25056.5	27215.2	28482.9	27215.2
23789.0	50°	22554.2	21319.7	21324.9	21330.2	24092.2	26854.2	29704.1	32553.9	34276.9	32553.9
27365.7	52.5°	25870.5	24375.6	24224.4	24073.0	27372.2	30671.4	34197.5	37723.2	39788.5	37723.2
31173.5	55°	29696.3	28219.1	27629.8	27040.4	30712.4	34384.0	38587.5	42791.1	45247.4	42791.1
34636.9	57.5°	33832.5	33027.8	31845.7	30664.0	34371.6	38079.2	42840.4	47601.3	50647.3	47601.3
36730.2	60°	37979.6	39229.3	37761.4	36293.5	39802.2	43310.9	48408.5	53506.1	56798.2	53506.1
35667.2	62.5°	39081.3	42495.3	42329.9	42164.2	45378.4	48592.9	53442.8	58292.5	61335.4	58292.5
33539.9	65°	36744.1	39948.4	40582.4	41216.1	45300.8	49385.8	54088.7	58791.2	61381.9	58791.2
30689.4	67.5°	33736.9	36784.5	37081.8	37378.8	41634.8	45890.4	50613.5	55336.5	57366.1	55336.5
27264.8	70°	30579.6	33894.6	34027.4	34160.6	37966.5	41772.2	45836.7	49900.9	51029.0	49900.9
23183.9	72.5°	26987.7	30791.8	30887.4	30982.7	33960.4	36938.1	39982.2	43026.0	43140.2	43026.0
18021.4	75°	21958.3	25895.3	26248.8	26602.2	28918.9	31235.6	33378.5	35521.4	34947.3	35521.4
12876.0	77.5°	16551.0	20226.3	20732.2	21238.0	22999.2	24760.4	26280.1	27800.2	26813.3	27800.2
8427.3	80°	11519.2	14610.8	15239.5	15868.2	17198.4	18527.9	19326.0	20123.9	18536.5	20123.9
4898.7	82.5°	7012.4	9126.4	9828.7	10531.4	11446.9	12362.3	12695.3	13028.0	11780.5	13028.0
2155.3	85°	3277.2	4399.1	4996.5	5593.9	6346.1	7098.1	7287.1	7476.1	6476.8	7476.1
667.2	87.5°	1044.3	1421.4	1754.7	2088.0	2464.1	2840.2	2856.4	2872.2	2411.3	2872.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
8087.4	0°	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4	8087.4
8926.9	2.5°	8912.9	8885.0	8857.1	8810.2	8763.3	8730.1	8697.2
9973.1	5°	9935.5	9873.4	9811.4	9696.8	9582.6	9467.2	9352.1
10979.5	7.5°	10924.5	10823.1	10721.6	10553.1	10384.6	10197.4	10010.0
11645.2	10°	11591.8	11472.6	11352.8	11155.1	10957.4	10735.9	10514.3
11863.0	12.5°	11833.8	11746.9	11660.1	11481.9	11303.2	11063.3	10823.1
11624.7	15°	11655.7	11652.6	11649.5	11537.2	11425.1	11218.1	11010.8
11033.8	17.5°	11148.9	11274.6	11400.3	11398.4	11396.3	11256.3	11116.3
10278.7	20°	10480.8	10758.2	11035.7	11183.1	11330.5	11281.4	11232.7
9560.3	22.5°	9812.9	10221.0	10629.1	10934.5	11239.9	11303.8	11367.7
8953.9	25°	9219.5	9715.2	10210.8	10674.4	11138.1	11339.8	11541.5
8467.9	27.5°	8729.2	9278.5	9827.8	10441.7	11055.8	11416.7	11777.4
8121.3	30°	8363.6	8935.9	9508.2	10264.1	11020.1	11557.6	12095.5
8022.0	32.5°	8212.2	8750.0	9287.8	10143.1	10998.4	11734.5	12471.0
8551.4	35°	8595.8	8969.1	9342.8	10233.7	11125.0	12025.9	12927.2
10109.6	37.5°	9906.6	9930.8	9955.1	10765.0	11575.0	12635.1	13695.3
12689.1	40°	12195.7	11770.5	11345.4	11947.7	12550.1	13703.0	14855.9
16165.6	42.5°	15268.1	14340.8	13413.5	13760.4	14107.4	15251.3	16395.2
20380.6	45°	18905.8	17419.9	15934.4	16087.7	16240.7	17268.5	18296.0
25056.5	47.5°	22897.4	20754.8	18611.6	18642.7	18673.7	19673.6	20673.2
29704.1	50°	26854.2	24092.2	21330.2	21324.9	21319.7	22554.2	23789.0
34197.5	52.5°	30671.4	27372.2	24073.0	24224.4	24375.6	25870.5	27365.7
38587.5	55°	34384.0	30712.4	27040.4	27629.8	28219.1	29696.3	31173.5
42840.4	57.5°	38079.2	34371.6	30664.0	31845.7	33027.8	33832.5	34636.9
48408.5	60°	43310.9	39802.2	36293.5	37761.4	39229.3	37979.6	36730.2
53442.8	62.5°	48592.9	45378.4	42164.2	42329.9	42495.3	39081.3	35667.2
54088.7	65°	49385.8	45300.8	41216.1	40582.4	39948.4	36744.1	33539.9
50613.5	67.5°	45890.4	41634.8	37378.8	37081.8	36784.5	33736.9	30689.4
45836.7	70°	41772.2	37966.5	34160.6	34027.4	33894.6	30579.6	27264.8
39982.2	72.5°	36938.1	33960.4	30982.7	30887.4	30791.8	26987.7	23183.9
33378.5	75°	31235.6	28918.9	26602.2	26248.8	25895.3	21958.3	18021.4
26280.1	77.5°	24760.4	22999.2	21238.0	20732.2	20226.3	16551.0	12876.0
19326.0	80°	18527.9	17198.4	15868.2	15239.5	14610.8	11519.2	8427.3
12695.3	82.5°	12362.3	11446.9	10531.4	9828.7	9126.4	7012.4	4898.7
7287.1	85°	7098.1	6346.1	5593.9	4996.5	4399.1	3277.2	2155.3
2856.4	87.5°	2840.2	2464.1	2088.0	1754.7	1421.4	1044.3	667.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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