

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: P954670

Luminaire Tested: **GALN-SB7D-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954670
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66884 lumens
Efficiency: N/A
Efficacy: 130.4 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

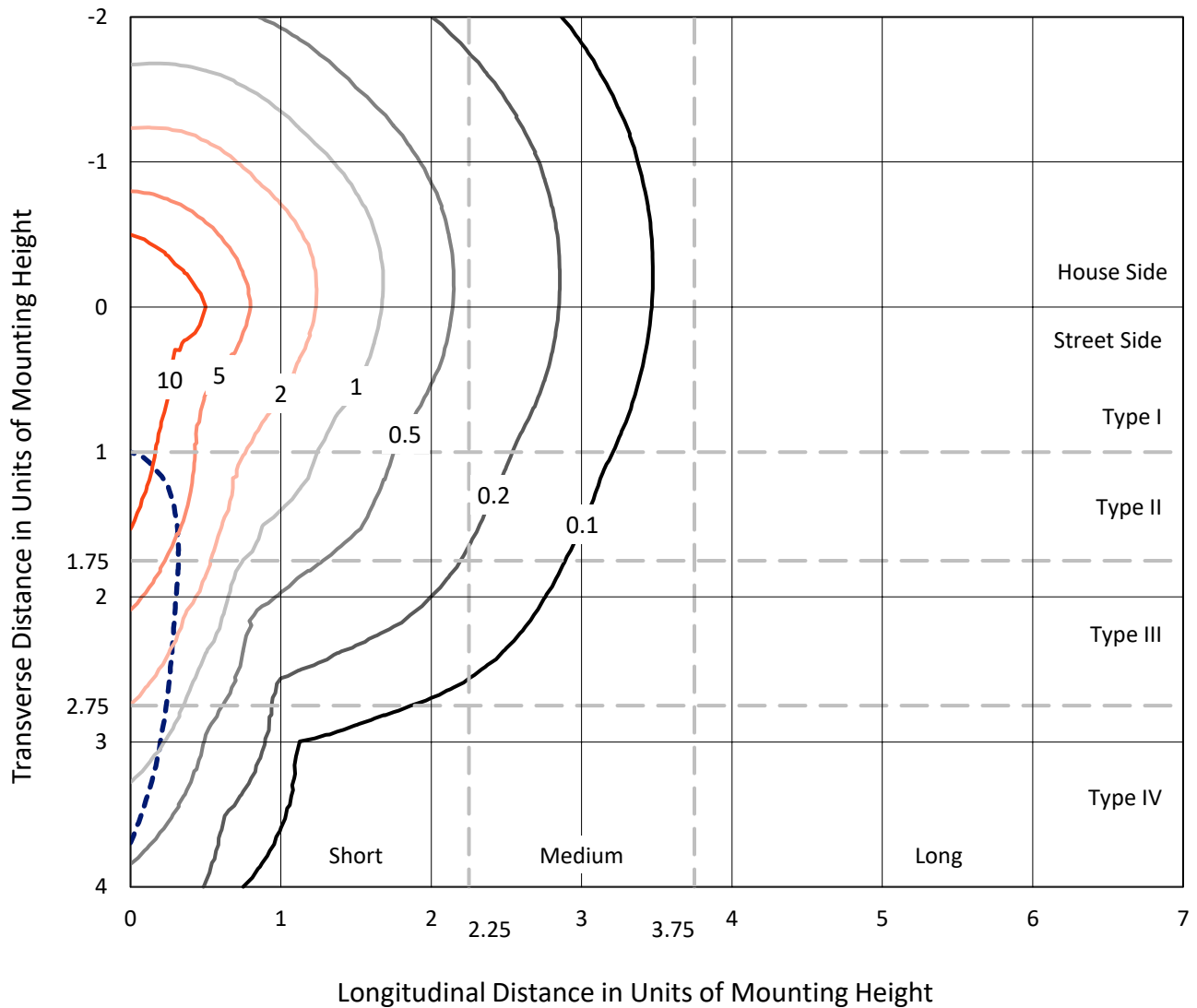
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

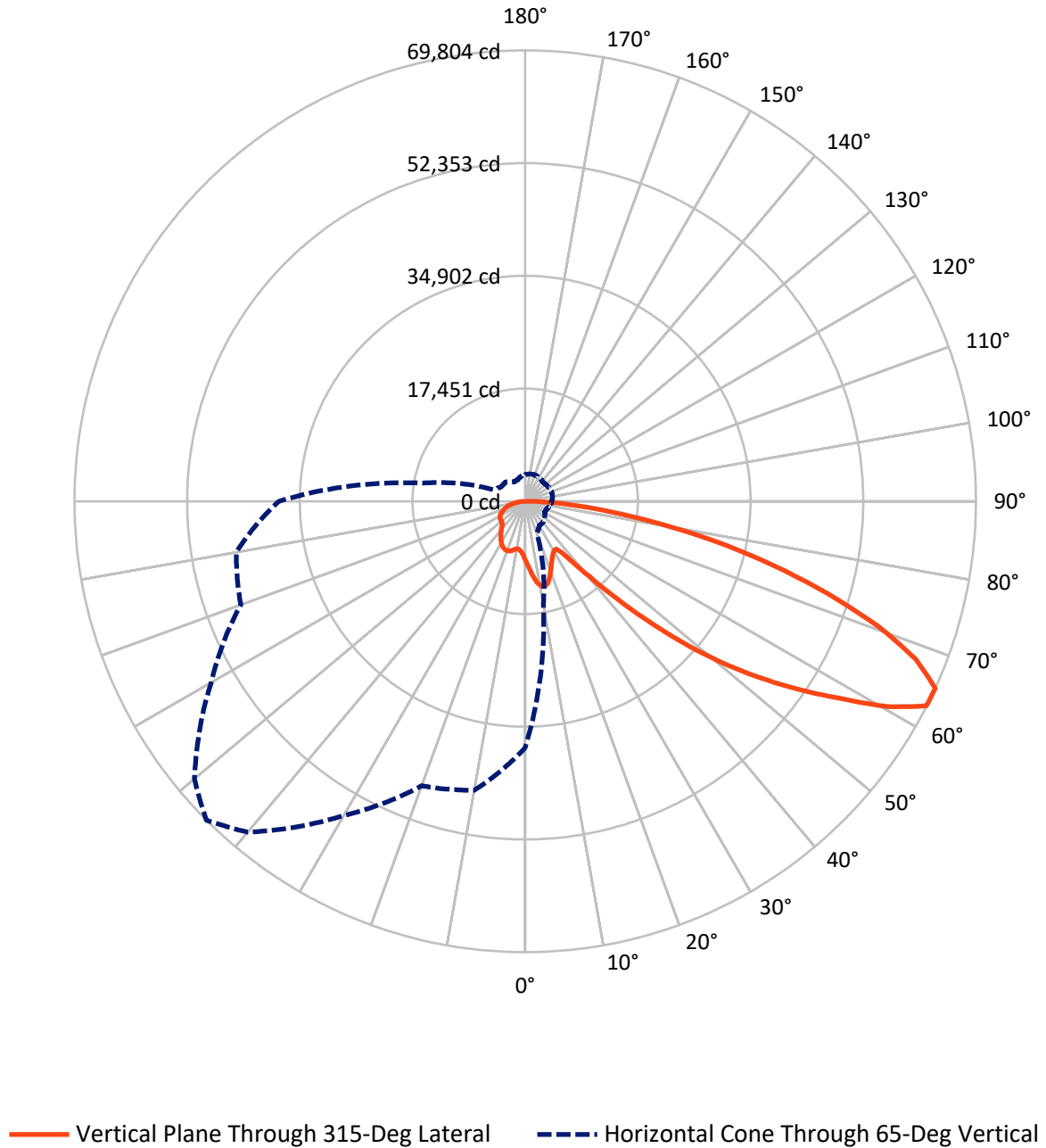
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 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	16998.5	0.0	16998.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	49885.5	0.0	49885.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	66884.0	0.0	66884.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.3	1.4
10°-20°	2864.1	4.3
20°-30°	4424.0	6.6
30°-40°	5606.3	8.4
40°-50°	8455.7	12.6
50°-60°	13661.4	20.4
60°-70°	17031.1	25.5
70°-80°	11168.2	16.7
80°-90°	2761.0	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°	66884.0	100.0
0°-180°	66884.0	100.0



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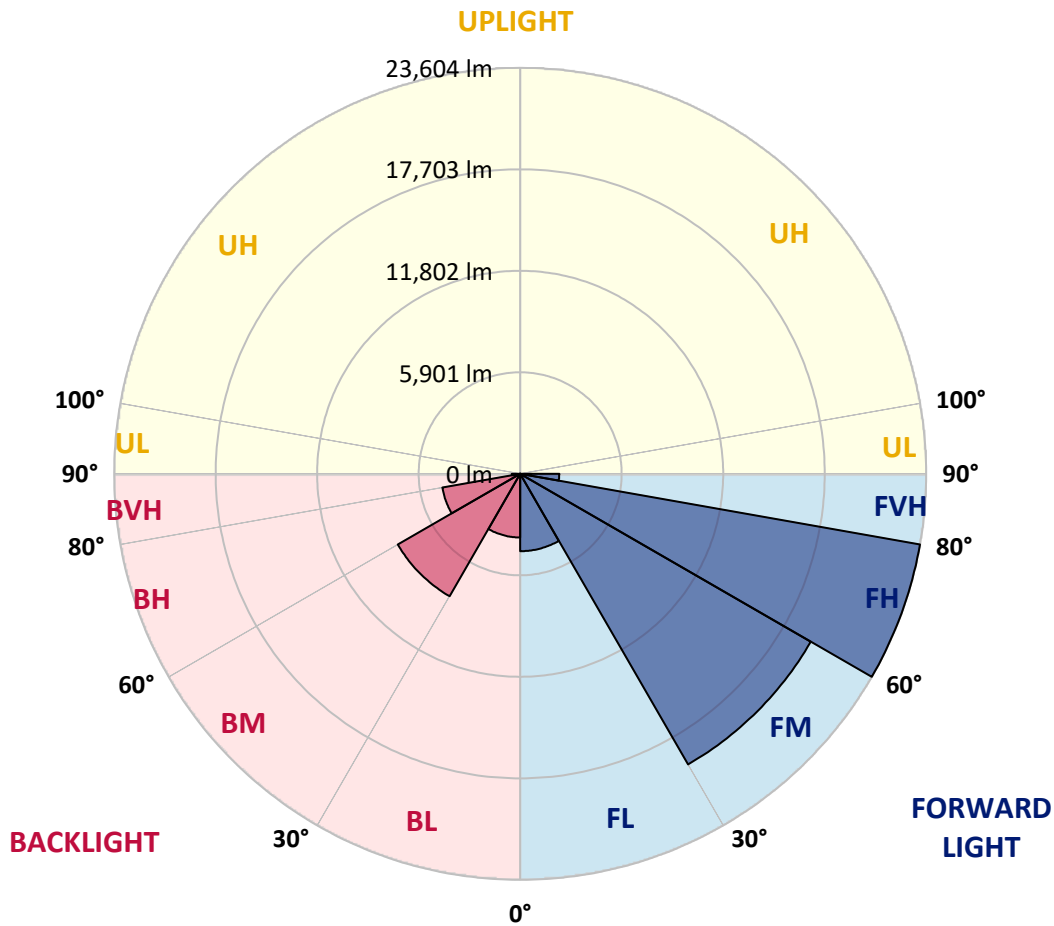
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4498.7	6.7			
FM (30°-60°)	19508.6	29.2			
FH (60°-80°)	23603.6	35.3			G5
FVH (80°-90°)	2274.5	3.4			G5
BL (0°-30°)	3701.6	5.5	B4/5000		
BM (30°-60°)	8214.7	12.3	B4/8500		
BH (60°-80°)	4595.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	486.5	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°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
2.5°	9890.6	9814.7	9738.9	9658.0	9577.6	9496.4	9415.2	9337.6	9259.9	9184.8
5°	10635.3	10467.6	10300.0	10132.7	9965.8	9797.4	9629.5	9472.4	9315.4	9167.1
7.5°	11383.5	11106.8	10830.4	10574.9	10319.4	10070.6	9821.8	9602.6	9383.5	9181.2
10°	11957.0	11607.2	11257.5	10919.7	10582.3	10280.2	9977.8	9718.7	9459.0	9209.5
12.5°	12308.1	11923.8	11539.8	11157.3	10774.7	10418.2	10061.8	9768.5	9475.2	9213.0
15°	12521.6	12121.1	11720.5	11305.5	10890.4	10480.0	10069.5	9730.0	9390.5	9100.1
17.5°	12641.6	12235.4	11829.2	11376.4	10923.6	10447.2	9970.7	9562.4	9154.1	8812.4
20°	12774.0	12351.9	11929.4	11431.8	10934.2	10356.8	9779.4	9273.4	8767.3	8369.5
22.5°	12927.5	12496.2	12064.6	11506.6	10948.3	10246.0	9543.7	8934.2	8324.7	7871.9
25°	13125.1	12702.3	12279.9	11642.2	11004.1	10136.6	9269.5	8555.5	7841.9	7377.8
27.5°	13393.4	12990.3	12586.9	11853.9	11120.5	10063.5	9006.5	8209.3	7412.1	6989.6
30°	13755.1	13365.5	12976.2	12128.1	11280.1	10029.3	8777.9	7919.9	7062.0	6707.3
32.5°	14182.1	13796.4	13411.0	12414.4	11417.7	9987.0	8555.5	7670.4	6784.9	6499.0
35°	14700.9	14331.8	13962.3	12740.5	11518.6	9907.2	8296.5	7425.1	6553.7	6315.5
37.5°	15574.4	15103.6	14632.8	13105.7	11578.6	9770.6	7962.6	7136.4	6310.2	6102.0
40°	16894.3	16208.3	15522.2	13569.5	11616.4	9582.5	7549.0	6792.0	6035.0	5846.1
42.5°	18644.8	17654.5	16664.2	14176.1	11688.0	9388.4	7089.5	6411.9	5734.3	5560.3
45°	20806.5	19470.7	18134.9	14974.4	11814.0	9208.1	6602.4	6008.1	5413.8	5237.4
47.5°	23509.8	21629.8	19749.5	15825.0	11900.5	9059.1	6217.8	5688.7	5159.7	4932.1
50°	27053.2	24218.9	21384.2	16614.1	11844.0	8896.8	5949.5	5476.6	5003.7	4704.4
52.5°	31120.6	26938.5	22756.4	17126.6	11496.4	8622.6	5749.1	5336.9	4925.0	4580.9
55°	35450.9	29349.6	23248.7	17013.6	10778.2	8168.0	5557.8	5235.6	4913.4	4593.3
57.5°	39389.5	31058.5	22727.4	16218.8	9710.6	7527.1	5343.2	5115.6	4888.0	4605.6
60°	41770.0	31485.5	21200.7	14739.8	8278.8	6694.9	5111.0	4932.1	4753.1	4566.8
62.5°	40561.2	29687.4	18813.5	12739.7	6666.0	5699.0	4732.0	4613.0	4494.5	4471.5
65°	38142.0	27143.2	16144.4	10699.2	5254.3	4802.9	4351.5	4295.4	4239.3	4242.1
67.5°	34900.4	24115.5	13330.5	8700.2	4069.9	3941.8	3813.3	3844.7	3875.8	3868.0
70°	31005.9	20811.8	10617.6	6850.2	3082.8	3119.5	3155.8	3301.2	3446.3	3446.3
72.5°	26365.0	17230.3	8096.0	5237.0	2378.0	2488.4	2599.3	2805.4	3011.1	3045.7
75°	20494.1	13124.8	5755.4	3801.0	1846.5	1946.7	2046.9	2277.8	2508.6	2668.1
77.5°	14642.7	9186.2	3729.7	2575.6	1421.6	1489.7	1558.1	1782.3	2006.4	2269.3
80°	9583.6	5918.5	2253.4	1659.4	1065.8	1094.1	1122.3	1312.2	1501.7	1815.8
82.5°	5570.9	3425.5	1280.4	1020.6	761.6	766.5	772.2	911.9	1051.7	1319.9
85°	2451.0	1540.9	631.0	545.6	460.6	458.1	455.3	557.6	660.0	859.4
87.5°	758.8	504.7	250.6	226.2	201.9	199.4	196.9	238.6	280.6	363.5
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°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
9101.1	2.5°	9033.4	8966.0	8904.9	8844.2	8790.9	8737.6	8684.0	8630.7	8589.4	8547.8
9020.7	5°	8892.9	8764.8	8657.5	8550.6	8456.0	8361.4	8275.6	8189.5	8123.5	8057.2
8991.7	7.5°	8821.6	8651.9	8510.7	8369.5	8250.6	8131.3	8026.1	7921.3	7842.6	7764.3
9005.8	10°	8826.6	8647.3	8506.1	8364.9	8236.8	8108.4	7990.1	7871.9	7778.0	7683.8
9023.5	12.5°	8876.7	8730.6	8636.7	8543.5	8442.6	8342.4	8219.9	8097.8	7977.8	7857.8
8948.3	15°	8878.1	8808.2	8820.9	8833.6	8807.5	8781.4	8675.2	8568.9	8398.1	8227.3
8718.9	17.5°	8744.7	8770.1	8924.0	9077.8	9159.7	9241.2	9155.5	9070.1	8843.9	8617.6
8344.8	20°	8464.8	8584.8	8852.0	9119.5	9290.7	9461.8	9422.3	9382.4	9123.7	8865.4
7920.3	22.5°	8097.8	8275.3	8580.2	8885.8	9108.5	9331.2	9355.2	9378.9	9131.8	8884.8
7508.4	25°	7713.1	7917.8	8192.0	8466.6	8685.7	8904.9	8986.8	9068.3	8865.7	8663.5
7148.4	27.5°	7346.1	7543.7	7769.2	7994.4	8170.1	8345.9	8436.9	8528.3	8384.0	8240.0
6831.8	30°	6988.5	7145.9	7333.0	7520.0	7665.8	7811.9	7886.0	7960.1	7850.4	7740.3
6554.5	32.5°	6647.3	6740.1	6889.4	7039.0	7178.8	7318.9	7401.1	7483.7	7382.8	7281.5
6292.6	35°	6318.0	6343.8	6457.8	6571.4	6709.7	6848.4	6947.3	7046.1	6974.1	6902.4
6018.0	37.5°	5989.8	5961.5	6043.4	6124.9	6262.9	6401.3	6523.4	6645.5	6612.3	6579.2
5717.3	40°	5653.4	5589.6	5648.5	5707.4	5840.8	5974.2	6114.7	6255.5	6263.6	6271.4
5397.9	42.5°	5313.2	5228.5	5276.5	5324.9	5451.2	5577.9	5729.7	5881.4	5922.0	5962.6
5080.3	45°	4997.7	4915.5	4955.7	4996.7	5116.7	5236.6	5394.0	5551.5	5609.7	5667.9
4796.9	47.5°	4727.7	4658.6	4696.7	4734.4	4852.0	4969.1	5124.4	5279.7	5346.8	5413.8
4547.4	50°	4486.0	4424.9	4484.2	4543.9	4654.7	4765.1	4904.2	5043.2	5129.4	5215.5
4361.4	52.5°	4300.7	4240.3	4329.6	4418.6	4520.2	4621.5	4751.0	4880.9	4982.9	5084.9
4262.6	55°	4166.6	4070.9	4197.6	4324.0	4433.4	4542.8	4656.4	4769.7	4877.7	4986.1
4203.3	57.5°	4063.5	3923.8	4060.0	4196.2	4324.7	4453.2	4565.4	4678.0	4787.0	4895.7
4147.5	60°	3966.5	3785.1	3904.7	4024.0	4171.5	4319.0	4433.0	4547.4	4656.8	4766.2
4082.6	62.5°	3856.0	3629.8	3705.7	3781.6	3953.4	4125.6	4247.4	4369.2	4469.4	4569.6
3945.7	65°	3705.0	3463.9	3493.2	3522.2	3706.4	3891.0	4007.4	4123.9	4212.1	4300.3
3701.4	67.5°	3501.0	3300.5	3291.3	3282.2	3452.3	3622.7	3733.2	3843.3	3919.5	3995.8
3391.6	70°	3249.0	3106.4	3074.6	3042.9	3192.5	3342.2	3437.5	3532.7	3601.6	3670.4
3046.4	72.5°	2948.7	2850.9	2804.3	2758.1	2876.0	2993.5	3079.6	3165.7	3233.1	3300.5
2654.7	75°	2579.5	2504.0	2459.5	2414.7	2502.2	2589.7	2667.7	2745.7	2807.1	2868.5
2262.2	77.5°	2201.9	2141.5	2096.4	2051.2	2122.5	2193.4	2260.5	2327.5	2392.1	2456.3
1814.7	80°	1764.3	1713.4	1675.7	1637.6	1696.8	1755.8	1812.3	1868.7	1917.8	1966.5
1334.7	82.5°	1310.0	1285.3	1258.5	1231.7	1226.8	1221.8	1202.0	1182.3	1286.8	1391.2
878.8	85°	852.3	825.8	795.8	765.8	740.4	714.7	660.0	605.3	703.0	801.1
388.2	87.5°	377.6	367.0	361.4	355.7	354.7	353.6	312.0	270.0	310.9	352.2
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°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
8514.2	2.5°	8480.7	8454.6	8428.5	8404.5	8380.1	8350.1	8380.1	8404.5	8428.5	8454.6
8011.0	5°	7964.7	7931.9	7899.1	7874.0	7849.0	7824.3	7849.0	7874.0	7899.1	7931.9
7709.2	7.5°	7654.2	7616.4	7579.0	7556.4	7534.2	7517.2	7534.2	7556.4	7579.0	7616.4
7622.4	10°	7560.3	7524.6	7489.0	7469.9	7450.9	7443.1	7450.9	7469.9	7489.0	7524.6
7778.4	12.5°	7699.0	7659.1	7619.6	7603.3	7587.1	7584.3	7587.1	7603.3	7619.6	7659.1
8106.6	15°	7985.9	7930.5	7875.4	7854.3	7833.1	7831.3	7833.1	7854.3	7875.4	7930.5
8439.8	17.5°	8261.9	8180.0	8097.8	8071.0	8043.8	8039.5	8043.8	8071.0	8097.8	8180.0
8647.3	20°	8429.5	8324.7	8219.5	8186.0	8152.5	8141.9	8152.5	8186.0	8219.5	8324.7
8660.3	22.5°	8435.5	8325.1	8214.2	8177.2	8140.1	8124.2	8140.1	8177.2	8214.2	8325.1
8463.8	25°	8264.7	8168.7	8073.1	8038.1	8003.5	7983.1	8003.5	8038.1	8073.1	8168.7
8085.1	27.5°	7930.1	7865.9	7801.3	7785.4	7769.6	7764.3	7769.6	7785.4	7801.3	7865.9
7629.5	30°	7517.9	7485.1	7451.9	7451.9	7451.9	7457.2	7451.9	7451.9	7451.9	7485.1
7192.9	32.5°	7104.3	7082.8	7061.2	7064.1	7067.2	7072.5	7067.2	7064.1	7061.2	7082.8
6820.6	35°	6739.0	6706.2	6673.7	6666.7	6659.6	6656.1	6659.6	6666.7	6673.7	6706.2
6504.0	37.5°	6428.5	6368.8	6309.5	6278.1	6246.7	6229.1	6246.7	6278.1	6309.5	6368.8
6207.5	40°	6143.7	6056.8	5970.7	5912.1	5854.3	5819.7	5854.3	5912.1	5970.7	6056.8
5908.6	42.5°	5855.0	5747.3	5639.7	5554.6	5469.6	5413.8	5469.6	5554.6	5639.7	5747.3
5619.2	45°	5570.9	5447.7	5324.9	5225.0	5125.1	5060.9	5125.1	5225.0	5324.9	5447.7
5379.9	47.5°	5346.1	5236.6	5127.2	5034.8	4942.7	4880.9	4942.7	5034.8	5127.2	5236.6
5213.4	50°	5211.9	5124.4	5036.9	4951.5	4866.1	4806.8	4866.1	4951.5	5036.9	5124.4
5103.2	52.5°	5121.6	5050.3	4979.0	4902.4	4826.2	4771.5	4826.2	4902.4	4979.0	5050.3
5011.5	55°	5036.9	4974.8	4912.7	4845.6	4778.6	4729.1	4778.6	4845.6	4912.7	4974.8
4921.5	57.5°	4947.2	4884.4	4821.6	4755.3	4688.6	4637.4	4688.6	4755.3	4821.6	4884.4
4794.4	60°	4822.7	4761.3	4700.2	4631.7	4563.3	4510.3	4563.3	4631.7	4700.2	4761.3
4596.8	62.5°	4624.0	4568.6	4513.2	4441.2	4369.2	4305.6	4369.2	4441.2	4513.2	4568.6
4328.2	65°	4355.8	4302.5	4249.2	4179.3	4109.8	4055.1	4109.8	4179.3	4249.2	4302.5
4022.9	67.5°	4049.8	4000.7	3952.0	3887.1	3822.1	3772.7	3822.1	3887.1	3952.0	4000.7
3696.5	70°	3722.6	3682.7	3642.9	3580.7	3518.6	3462.2	3518.6	3580.7	3642.9	3682.7
3331.6	72.5°	3362.6	3329.5	3296.3	3237.0	3178.1	3123.4	3178.1	3237.0	3296.3	3329.5
2901.0	75°	2933.5	2917.2	2901.0	2851.3	2801.5	2749.3	2801.5	2851.3	2901.0	2917.2
2486.7	77.5°	2517.0	2494.4	2471.2	2421.0	2370.9	2329.3	2370.9	2421.0	2471.2	2494.4
2006.7	80°	2046.9	2037.1	2027.5	1960.1	1892.4	1814.0	1892.4	1960.1	2027.5	2037.1
1459.7	82.5°	1528.1	1523.9	1519.3	1462.5	1405.3	1355.2	1405.3	1462.5	1519.3	1523.9
885.8	85°	970.5	963.5	956.4	911.9	867.5	822.3	867.5	911.9	956.4	963.5
386.4	87.5°	420.7	412.2	403.0	380.4	357.2	335.3	357.2	380.4	403.0	412.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
8480.7	2.5°	8514.2	8547.8	8589.4	8630.7	8684.0	8737.6	8790.9	8844.2	8904.9	8966.0
7964.7	5°	8011.0	8057.2	8123.5	8189.5	8275.6	8361.4	8456.0	8550.6	8657.5	8764.8
7654.2	7.5°	7709.2	7764.3	7842.6	7921.3	8026.1	8131.3	8250.6	8369.5	8510.7	8651.9
7560.3	10°	7622.4	7683.8	7778.0	7871.9	7990.1	8108.4	8236.8	8364.9	8506.1	8647.3
7699.0	12.5°	7778.4	7857.8	7977.8	8097.8	8219.9	8342.4	8442.6	8543.5	8636.7	8730.6
7985.9	15°	8106.6	8227.3	8398.1	8568.9	8675.2	8781.4	8807.5	8833.6	8820.9	8808.2
8261.9	17.5°	8439.8	8617.6	8843.9	9070.1	9155.5	9241.2	9159.7	9077.8	8924.0	8770.1
8429.5	20°	8647.3	8865.4	9123.7	9382.4	9422.3	9461.8	9290.7	9119.5	8852.0	8584.8
8435.5	22.5°	8660.3	8884.8	9131.8	9378.9	9355.2	9331.2	9108.5	8885.8	8580.2	8275.3
8264.7	25°	8463.8	8663.5	8865.7	9068.3	8986.8	8904.9	8685.7	8466.6	8192.0	7917.8
7930.1	27.5°	8085.1	8240.0	8384.0	8528.3	8436.9	8345.9	8170.1	7994.4	7769.2	7543.7
7517.9	30°	7629.5	7740.3	7850.4	7960.1	7886.0	7811.9	7665.8	7520.0	7333.0	7145.9
7104.3	32.5°	7192.9	7281.5	7382.8	7483.7	7401.1	7318.9	7178.8	7039.0	6889.4	6740.1
6739.0	35°	6820.6	6902.4	6974.1	7046.1	6947.3	6848.4	6709.7	6571.4	6457.8	6343.8
6428.5	37.5°	6504.0	6579.2	6612.3	6645.5	6523.4	6401.3	6262.9	6124.9	6043.4	5961.5
6143.7	40°	6207.5	6271.4	6263.6	6255.5	6114.7	5974.2	5840.8	5707.4	5648.5	5589.6
5855.0	42.5°	5908.6	5962.6	5922.0	5881.4	5729.7	5577.9	5451.2	5324.9	5276.5	5228.5
5570.9	45°	5619.2	5667.9	5609.7	5551.5	5394.0	5236.6	5116.7	4996.7	4955.7	4915.5
5346.1	47.5°	5379.9	5413.8	5346.8	5279.7	5124.4	4969.1	4852.0	4734.4	4696.7	4658.6
5211.9	50°	5213.4	5215.5	5129.4	5043.2	4904.2	4765.1	4654.7	4543.9	4484.2	4424.9
5121.6	52.5°	5103.2	5084.9	4982.9	4880.9	4751.0	4621.5	4520.2	4418.6	4329.6	4240.3
5036.9	55°	5011.5	4986.1	4877.7	4769.7	4656.4	4542.8	4433.4	4324.0	4197.6	4070.9
4947.2	57.5°	4921.5	4895.7	4787.0	4678.0	4565.4	4453.2	4324.7	4196.2	4060.0	3923.8
4822.7	60°	4794.4	4766.2	4656.8	4547.4	4433.0	4319.0	4171.5	4024.0	3904.7	3785.1
4624.0	62.5°	4596.8	4569.6	4469.4	4369.2	4247.4	4125.6	3953.4	3781.6	3705.7	3629.8
4355.8	65°	4328.2	4300.3	4212.1	4123.9	4007.4	3891.0	3706.4	3522.2	3493.2	3463.9
4049.8	67.5°	4022.9	3995.8	3919.5	3843.3	3733.2	3622.7	3452.3	3282.2	3291.3	3300.5
3722.6	70°	3696.5	3670.4	3601.6	3532.7	3437.5	3342.2	3192.5	3042.9	3074.6	3106.4
3362.6	72.5°	3331.6	3300.5	3233.1	3165.7	3079.6	2993.5	2876.0	2758.1	2804.3	2850.9
2933.5	75°	2901.0	2868.5	2807.1	2745.7	2667.7	2589.7	2502.2	2414.7	2459.5	2504.0
2517.0	77.5°	2486.7	2456.3	2392.1	2327.5	2260.5	2193.4	2122.5	2051.2	2096.4	2141.5
2046.9	80°	2006.7	1966.5	1917.8	1868.7	1812.3	1755.8	1696.8	1637.6	1675.7	1713.4
1528.1	82.5°	1459.7	1391.2	1286.8	1182.3	1202.0	1221.8	1226.8	1231.7	1258.5	1285.3
970.5	85°	885.8	801.1	703.0	605.3	660.0	714.7	740.4	765.8	795.8	825.8
420.7	87.5°	386.4	352.2	310.9	270.0	312.0	353.6	354.7	355.7	361.4	367.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
9033.4	2.5°	9101.1	9184.8	9259.9	9337.6	9415.2	9496.4	9577.6	9658.0	9738.9	9814.7
8892.9	5°	9020.7	9167.1	9315.4	9472.4	9629.5	9797.4	9965.8	10132.7	10300.0	10467.6
8821.6	7.5°	8991.7	9181.2	9383.5	9602.6	9821.8	10070.6	10319.4	10574.9	10830.4	11106.8
8826.6	10°	9005.8	9209.5	9459.0	9718.7	9977.8	10280.2	10582.3	10919.7	11257.5	11607.2
8876.7	12.5°	9023.5	9213.0	9475.2	9768.5	10061.8	10418.2	10774.7	11157.3	11539.8	11923.8
8878.1	15°	8948.3	9100.1	9390.5	9730.0	10069.5	10480.0	10890.4	11305.5	11720.5	12121.1
8744.7	17.5°	8718.9	8812.4	9154.1	9562.4	9970.7	10447.2	10923.6	11376.4	11829.2	12235.4
8464.8	20°	8344.8	8369.5	8767.3	9273.4	9779.4	10356.8	10934.2	11431.8	11929.4	12351.9
8097.8	22.5°	7920.3	7871.9	8324.7	8934.2	9543.7	10246.0	10948.3	11506.6	12064.6	12496.2
7713.1	25°	7508.4	7377.8	7841.9	8555.5	9269.5	10136.6	11004.1	11642.2	12279.9	12702.3
7346.1	27.5°	7148.4	6989.6	7412.1	8209.3	9006.5	10063.5	11120.5	11853.9	12586.9	12990.3
6988.5	30°	6831.8	6707.3	7062.0	7919.9	8777.9	10029.3	11280.1	12128.1	12976.2	13365.5
6647.3	32.5°	6554.5	6499.0	6784.9	7670.4	8555.5	9987.0	11417.7	12414.4	13411.0	13796.4
6318.0	35°	6292.6	6315.5	6553.7	7425.1	8296.5	9907.2	11518.6	12740.5	13962.3	14331.8
5989.8	37.5°	6018.0	6102.0	6310.2	7136.4	7962.6	9770.6	11578.6	13105.7	14632.8	15103.6
5653.4	40°	5717.3	5846.1	6035.0	6792.0	7549.0	9582.5	11616.4	13569.5	15522.2	16208.3
5313.2	42.5°	5397.9	5560.3	5734.3	6411.9	7089.5	9388.4	11688.0	14176.1	16664.2	17654.5
4997.7	45°	5080.3	5237.4	5413.8	6008.1	6602.4	9208.1	11814.0	14974.4	18134.9	19470.7
4727.7	47.5°	4796.9	4932.1	5159.7	5688.7	6217.8	9059.1	11900.5	15825.0	19749.5	21629.8
4486.0	50°	4547.4	4704.4	5003.7	5476.6	5949.5	8896.8	11844.0	16614.1	21384.2	24218.9
4300.7	52.5°	4361.4	4580.9	4925.0	5336.9	5749.1	8622.6	11496.4	17126.6	22756.4	26938.5
4166.6	55°	4262.6	4593.3	4913.4	5235.6	5557.8	8168.0	10778.2	17013.6	23248.7	29349.6
4063.5	57.5°	4203.3	4605.6	4888.0	5115.6	5343.2	7527.1	9710.6	16218.8	22727.4	31058.5
3966.5	60°	4147.5	4566.8	4753.1	4932.1	5111.0	6694.9	8278.8	14739.8	21200.7	31485.5
3856.0	62.5°	4082.6	4471.5	4494.5	4613.0	4732.0	5699.0	6666.0	12739.7	18813.5	29687.4
3705.0	65°	3945.7	4242.1	4239.3	4295.4	4351.5	4802.9	5254.3	10699.2	16144.4	27143.2
3501.0	67.5°	3701.4	3868.0	3875.8	3844.7	3813.3	3941.8	4069.9	8700.2	13330.5	24115.5
3249.0	70°	3391.6	3446.3	3446.3	3301.2	3155.8	3119.5	3082.8	6850.2	10617.6	20811.8
2948.7	72.5°	3046.4	3045.7	3011.1	2805.4	2599.3	2488.4	2378.0	5237.0	8096.0	17230.3
2579.5	75°	2654.7	2668.1	2508.6	2277.8	2046.9	1946.7	1846.5	3801.0	5755.4	13124.8
2201.9	77.5°	2262.2	2269.3	2006.4	1782.3	1558.1	1489.7	1421.6	2575.6	3729.7	9186.2
1764.3	80°	1814.7	1815.8	1501.7	1312.2	1122.3	1094.1	1065.8	1659.4	2253.4	5918.5
1310.0	82.5°	1334.7	1319.9	1051.7	911.9	772.2	766.5	761.6	1020.6	1280.4	3425.5
852.3	85°	878.8	859.4	660.0	557.6	455.3	458.1	460.6	545.6	631.0	1540.9
377.6	87.5°	388.2	363.5	280.6	238.6	196.9	199.4	201.9	226.2	250.6	504.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
9890.6	2.5°	9928.0	9965.8	10019.1	10072.4	10104.1	10135.9	10151.8	10167.7	10160.6	10167.7
10635.3	5°	10766.2	10897.5	11027.4	11157.6	11228.2	11298.8	11341.5	11384.5	11417.0	11384.5
11383.5	7.5°	11596.6	11809.4	12001.1	12192.7	12308.1	12423.5	12486.0	12548.1	12578.1	12548.1
11957.0	10°	12209.0	12460.9	12685.8	12910.6	13046.8	13182.3	13243.0	13303.4	13326.3	13303.4
12308.1	12.5°	12581.3	12854.1	13057.4	13260.0	13358.8	13457.6	13490.8	13523.9	13527.5	13523.9
12521.6	15°	12757.4	12992.8	13120.2	13248.0	13251.5	13255.0	13219.7	13184.4	13142.8	13184.4
12641.6	17.5°	12800.8	12960.0	12962.4	12964.6	12821.6	12678.7	12547.8	12416.5	12324.0	12416.5
12774.0	20°	12829.4	12885.2	12717.5	12549.9	12234.4	11918.9	11689.1	11459.4	11318.2	11459.4
12927.5	22.5°	12854.8	12782.1	12434.8	12087.6	11623.5	11159.4	10872.1	10584.8	10428.8	10584.8
13125.1	25°	12895.7	12666.3	12139.1	11611.8	11048.2	10484.6	10182.5	9881.1	9733.6	9881.1
13393.4	27.5°	12983.3	12572.8	11874.4	11176.3	10551.6	9927.0	9629.8	9333.0	9193.6	9333.0
13755.1	30°	13143.5	12532.2	11672.5	10812.8	10162.0	9511.2	9235.6	8960.0	8830.1	8960.0
14182.1	32.5°	13344.7	12507.5	11534.9	10562.2	9950.6	9339.0	9122.7	8906.0	8812.4	8906.0
14700.9	35°	13676.0	12651.5	11637.9	10624.7	10199.8	9775.2	9724.7	9674.3	9666.5	9674.3
15574.4	37.5°	14368.8	13163.3	12242.1	11321.0	11293.5	11266.0	11496.8	11727.6	11847.6	11727.6
16894.3	40°	15583.2	14272.1	13587.1	12902.1	13385.6	13869.1	14430.2	14991.4	15270.9	14991.4
18644.8	42.5°	17344.0	16043.1	15648.5	15254.0	16308.5	17363.0	18383.7	19404.3	20003.6	19404.3
20806.5	45°	19637.9	18469.1	18295.1	18120.7	19810.2	21500.0	23177.0	24854.5	25872.7	24854.5
23509.8	47.5°	22373.1	21236.0	21200.7	21165.4	23602.7	26039.2	28494.5	30949.4	32391.1	30949.4
27053.2	50°	25648.9	24245.0	24251.0	24257.0	27398.0	30539.0	33779.9	37020.7	38980.1	37020.7
31120.6	52.5°	29420.2	27720.2	27548.3	27376.1	31128.0	34879.9	38889.8	42899.3	45248.0	42899.3
35450.9	55°	33771.0	32091.1	31420.9	30750.7	34926.5	39101.9	43882.2	48662.5	51455.9	48662.5
39389.5	57.5°	38474.8	37559.6	36215.4	34871.4	39087.8	43304.1	48718.7	54132.8	57596.7	54132.8
41770.0	60°	43190.8	44612.1	42942.7	41273.4	45263.6	49253.7	55050.8	60847.8	64591.6	60847.8
40561.2	62.5°	44443.7	48326.2	48138.1	47949.6	51604.8	55260.4	60775.9	66291.0	69751.3	66291.0
38142.0	65°	41785.9	45429.8	46150.8	46871.5	51516.6	56162.1	61510.3	66858.1	69804.3	66858.1
34900.4	67.5°	38366.1	41831.7	42169.8	42507.6	47347.6	52187.2	57558.3	62929.4	65237.5	62929.4
31005.9	70°	34775.4	38545.3	38696.4	38847.8	43176.0	47503.9	52126.1	56748.0	58030.8	56748.0
26365.0	72.5°	30690.7	35016.8	35125.5	35233.9	38620.2	42006.4	45468.2	48929.7	49059.6	48929.7
20494.1	75°	24971.3	29448.4	29850.4	30252.4	32887.0	35521.5	37958.4	40395.4	39742.5	40395.4
14642.7	77.5°	18822.0	23001.6	23576.9	24152.2	26155.0	28157.8	29886.1	31614.7	30492.4	31614.7
9583.6	80°	13099.7	16615.5	17330.5	18045.6	19558.2	21070.1	21977.8	22885.2	21080.0	22885.2
5570.9	82.5°	7974.6	10378.7	11177.4	11976.4	13017.5	14058.6	14437.3	14815.6	13396.9	14815.6
2451.0	85°	3726.8	5002.7	5682.0	6361.4	7216.9	8072.0	8286.9	8501.9	7365.5	8501.9
758.8	87.5°	1187.6	1616.4	1995.4	2374.5	2802.2	3229.9	3248.3	3266.3	2742.2	3266.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
9197.1	0°	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1	9197.1
10151.8	2.5°	10135.9	10104.1	10072.4	10019.1	9965.8	9928.0	9890.6
11341.5	5°	11298.8	11228.2	11157.6	11027.4	10897.5	10766.2	10635.3
12486.0	7.5°	12423.5	12308.1	12192.7	12001.1	11809.4	11596.6	11383.5
13243.0	10°	13182.3	13046.8	12910.6	12685.8	12460.9	12209.0	11957.0
13490.8	12.5°	13457.6	13358.8	13260.0	13057.4	12854.1	12581.3	12308.1
13219.7	15°	13255.0	13251.5	13248.0	13120.2	12992.8	12757.4	12521.6
12547.8	17.5°	12678.7	12821.6	12964.6	12962.4	12960.0	12800.8	12641.6
11689.1	20°	11918.9	12234.4	12549.9	12717.5	12885.2	12829.4	12774.0
10872.1	22.5°	11159.4	11623.5	12087.6	12434.8	12782.1	12854.8	12927.5
10182.5	25°	10484.6	11048.2	11611.8	12139.1	12666.3	12895.7	13125.1
9629.8	27.5°	9927.0	10551.6	11176.3	11874.4	12572.8	12983.3	13393.4
9235.6	30°	9511.2	10162.0	10812.8	11672.5	12532.2	13143.5	13755.1
9122.7	32.5°	9339.0	9950.6	10562.2	11534.9	12507.5	13344.7	14182.1
9724.7	35°	9775.2	10199.8	10624.7	11637.9	12651.5	13676.0	14700.9
11496.8	37.5°	11266.0	11293.5	11321.0	12242.1	13163.3	14368.8	15574.4
14430.2	40°	13869.1	13385.6	12902.1	13587.1	14272.1	15583.2	16894.3
18383.7	42.5°	17363.0	16308.5	15254.0	15648.5	16043.1	17344.0	18644.8
23177.0	45°	21500.0	19810.2	18120.7	18295.1	18469.1	19637.9	20806.5
28494.5	47.5°	26039.2	23602.7	21165.4	21200.7	21236.0	22373.1	23509.8
33779.9	50°	30539.0	27398.0	24257.0	24251.0	24245.0	25648.9	27053.2
38889.8	52.5°	34879.9	31128.0	27376.1	27548.3	27720.2	29420.2	31120.6
43882.2	55°	39101.9	34926.5	30750.7	31420.9	32091.1	33771.0	35450.9
48718.7	57.5°	43304.1	39087.8	34871.4	36215.4	37559.6	38474.8	39389.5
55050.8	60°	49253.7	45263.6	41273.4	42942.7	44612.1	43190.8	41770.0
60775.9	62.5°	55260.4	51604.8	47949.6	48138.1	48326.2	44443.7	40561.2
61510.3	65°	56162.1	51516.6	46871.5	46150.8	45429.8	41785.9	38142.0
57558.3	67.5°	52187.2	47347.6	42507.6	42169.8	41831.7	38366.1	34900.4
52126.1	70°	47503.9	43176.0	38847.8	38696.4	38545.3	34775.4	31005.9
45468.2	72.5°	42006.4	38620.2	35233.9	35125.5	35016.8	30690.7	26365.0
37958.4	75°	35521.5	32887.0	30252.4	29850.4	29448.4	24971.3	20494.1
29886.1	77.5°	28157.8	26155.0	24152.2	23576.9	23001.6	18822.0	14642.7
21977.8	80°	21070.1	19558.2	18045.6	17330.5	16615.5	13099.7	9583.6
14437.3	82.5°	14058.6	13017.5	11976.4	11177.4	10378.7	7974.6	5570.9
8286.9	85°	8072.0	7216.9	6361.4	5682.0	5002.7	3726.8	2451.0
3248.3	87.5°	3229.9	2802.2	2374.5	1995.4	1616.4	1187.6	758.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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