

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: P953977

Luminaire Tested: **GALN-SB7B-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953977
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-SB7B-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38168 lumens
Efficiency: N/A
Efficacy: 148.7 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

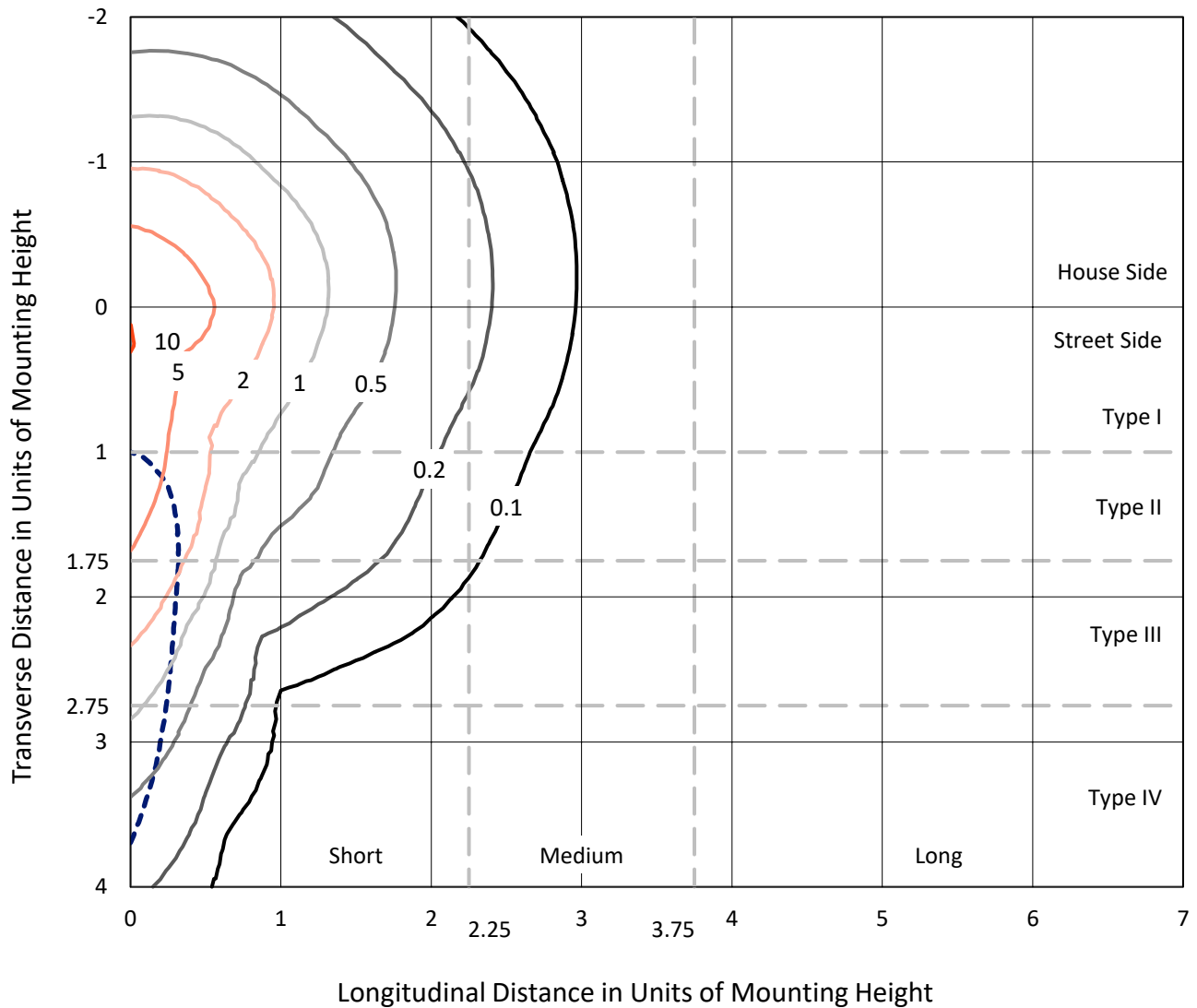
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

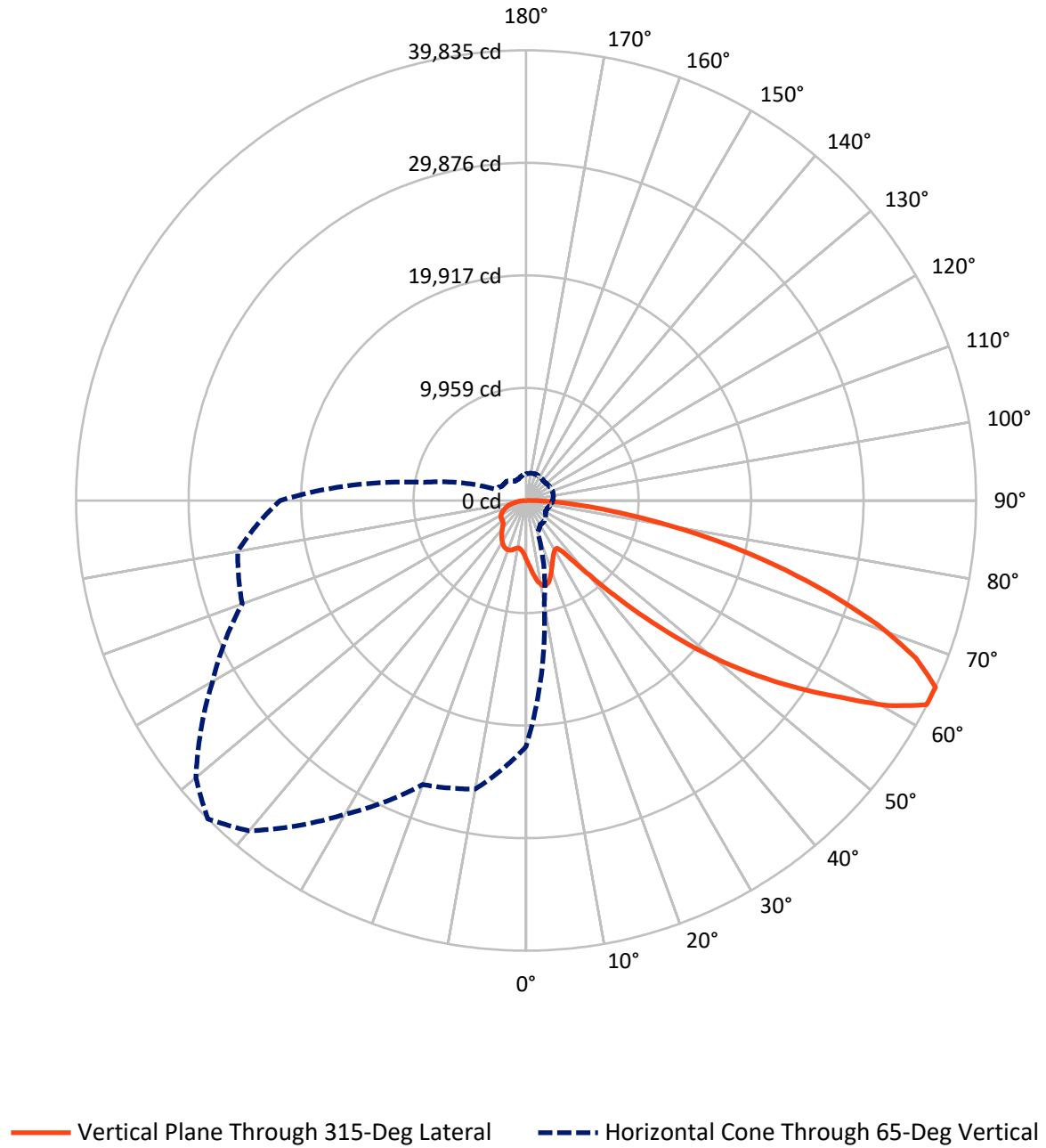
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	9700.4	0.0	9700.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	28467.6	0.0	28467.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	38168.0	0.0	38168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.6	1.4
10°-20°	1634.4	4.3
20°-30°	2524.6	6.6
30°-40°	3199.3	8.4
40°-50°	4825.3	12.6
50°-60°	7796.0	20.4
60°-70°	9719.0	25.5
70°-80°	6373.2	16.7
80°-90°	1575.6	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°	38168.0	100.0
0°-180°	38168.0	100.0

Coefficient of Utilization



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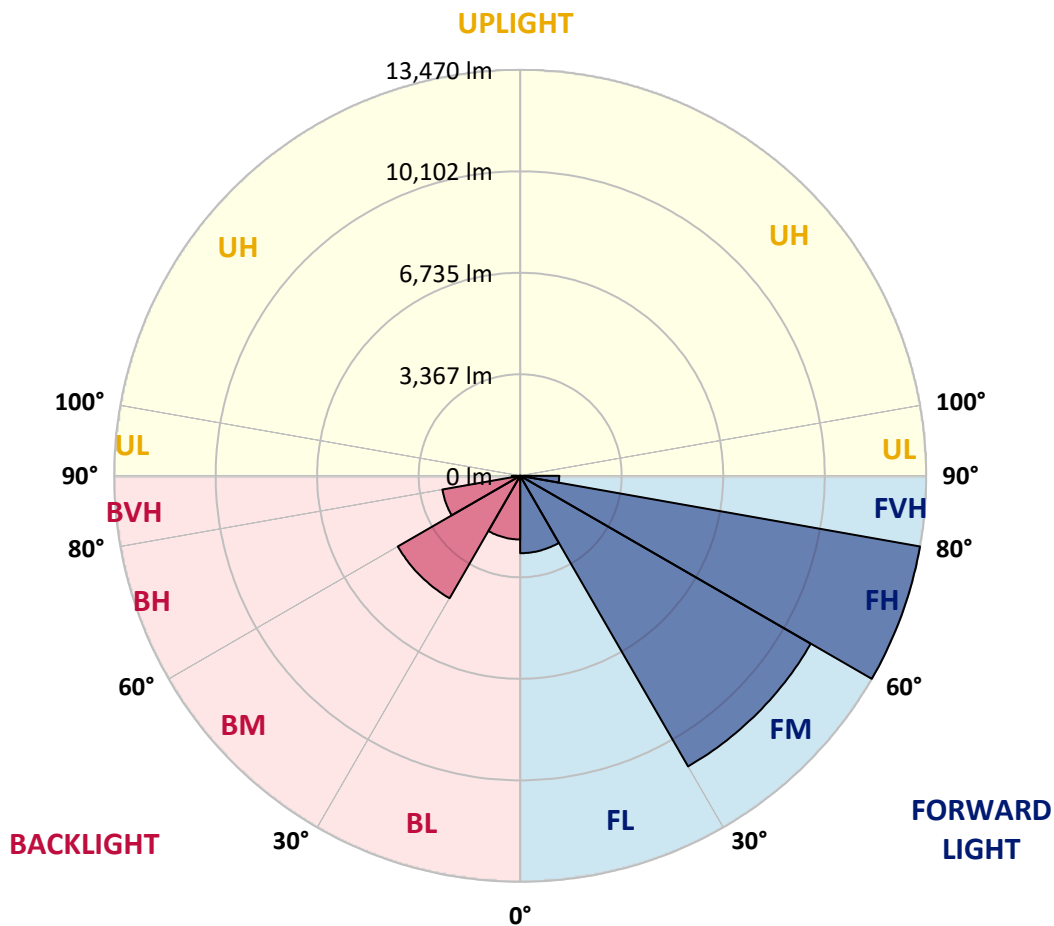
CATALOG NUMBER: GALN-SB7B-840-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2567.2	6.7			
FM (30°-60°)	11132.8	29.2			
FH (60°-80°)	13469.6	35.3			G5
FVH (80°-90°)	1298.0	3.4			G5
BL (0°-30°)	2112.4	5.5	B3/2500		
BM (30°-60°)	4687.8	12.3	B3/5000		
BH (60°-80°)	2622.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	277.7	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°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
2.5°	5644.2	5600.9	5557.6	5511.5	5465.5	5419.2	5372.9	5328.6	5284.3	5241.4
5°	6069.1	5973.5	5877.8	5782.3	5687.1	5591.0	5495.1	5405.5	5315.9	5231.3
7.5°	6496.1	6338.2	6180.5	6034.7	5888.9	5746.9	5604.9	5479.8	5354.8	5239.4
10°	6823.4	6623.8	6424.2	6231.5	6038.9	5866.5	5693.9	5546.1	5397.9	5255.5
12.5°	7023.8	6804.4	6585.3	6367.0	6148.7	5945.3	5741.9	5574.5	5407.1	5257.5
15°	7145.6	6917.0	6688.4	6451.6	6214.7	5980.5	5746.3	5552.5	5358.8	5193.0
17.5°	7214.1	6982.3	6750.5	6492.1	6233.7	5961.8	5689.9	5456.9	5223.9	5028.9
20°	7289.6	7048.7	6807.7	6523.7	6239.7	5910.2	5580.7	5291.9	5003.1	4776.2
22.5°	7377.2	7131.1	6884.8	6566.4	6247.8	5847.0	5446.2	5098.4	4750.6	4492.2
25°	7490.0	7248.7	7007.6	6643.7	6279.6	5784.5	5289.7	4882.3	4475.1	4210.2
27.5°	7643.0	7413.1	7182.9	6764.6	6346.0	5742.9	5139.7	4684.7	4229.8	3988.7
30°	7849.5	7627.1	7405.0	6921.0	6437.1	5723.3	5009.2	4519.6	4030.0	3827.6
32.5°	8093.2	7873.0	7653.1	7084.4	6515.6	5699.2	4882.3	4377.2	3871.9	3708.7
35°	8389.2	8178.6	7967.7	7270.5	6573.2	5653.6	4734.5	4237.2	3740.0	3604.0
37.5°	8887.7	8619.0	8350.4	7478.9	6607.5	5575.7	4543.9	4072.5	3601.0	3482.2
40°	9640.9	9249.4	8857.9	7743.5	6629.0	5468.4	4307.9	3875.9	3443.9	3336.2
42.5°	10639.8	10074.7	9509.6	8089.7	6669.9	5357.6	4045.7	3659.0	3272.3	3173.0
45°	11873.4	11111.1	10348.8	8545.3	6741.8	5254.7	3767.8	3428.6	3089.4	2988.7
47.5°	13416.1	12343.3	11270.2	9030.7	6791.1	5169.7	3548.2	3246.3	2944.4	2814.5
50°	15438.2	13820.7	12203.1	9481.0	6758.9	5077.0	3395.2	3125.3	2855.4	2684.6
52.5°	17759.3	15372.7	12986.1	9773.4	6560.5	4920.6	3280.8	3045.5	2810.5	2614.1
55°	20230.4	16748.7	13267.1	9709.0	6150.7	4661.2	3171.6	2987.7	2803.9	2621.2
57.5°	22478.0	17723.8	12969.6	9255.4	5541.5	4295.4	3049.2	2919.3	2789.4	2628.2
60°	23836.4	17967.5	12098.4	8411.4	4724.4	3820.5	2916.6	2814.5	2712.4	2606.1
62.5°	23146.7	16941.4	10736.1	7270.1	3804.0	3252.2	2700.3	2632.5	2564.8	2551.7
65°	21766.1	15489.5	9212.9	6105.6	2998.4	2740.8	2483.2	2451.2	2419.2	2420.8
67.5°	19916.2	13761.7	7607.2	4964.9	2322.5	2249.4	2176.1	2194.0	2211.8	2207.3
70°	17693.8	11876.4	6059.1	3909.1	1759.2	1780.2	1800.9	1883.9	1966.7	1966.7
72.5°	15045.4	9832.6	4620.1	2988.5	1357.0	1420.1	1483.3	1600.9	1718.3	1738.1
75°	11695.2	7489.8	3284.4	2169.1	1053.7	1110.9	1168.1	1299.8	1431.5	1522.6
77.5°	8356.0	5242.2	2128.4	1469.8	811.2	850.1	889.2	1017.1	1144.9	1295.0
80°	5469.0	3377.4	1285.9	947.0	608.2	624.3	640.4	748.8	856.9	1036.2
82.5°	3179.1	1954.8	730.7	582.4	434.6	437.4	440.7	520.4	600.2	753.2
85°	1398.7	879.3	360.1	311.4	262.8	261.4	259.8	318.2	376.6	490.4
87.5°	433.0	288.0	143.0	129.1	115.2	113.8	112.4	136.1	160.1	207.4
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5193.6	2.5°	5155.0	5116.5	5081.7	5047.0	5016.6	4986.2	4955.6	4925.2	4901.6	4877.9
5147.7	5°	5074.8	5001.7	4940.5	4879.5	4825.5	4771.5	4722.6	4673.4	4635.8	4597.9
5131.2	7.5°	5034.1	4937.3	4856.7	4776.2	4708.3	4640.2	4580.2	4520.4	4475.5	4430.8
5139.3	10°	5037.0	4934.7	4854.1	4773.5	4700.4	4627.1	4559.6	4492.2	4438.6	4384.8
5149.3	12.5°	5065.6	4982.2	4928.6	4875.4	4817.8	4760.6	4690.8	4621.1	4552.6	4484.1
5106.4	15°	5066.4	5026.5	5033.7	5041.0	5026.1	5011.2	4950.6	4889.9	4792.5	4695.0
4975.5	17.5°	4990.2	5004.7	5092.5	5180.4	5227.1	5273.6	5224.7	5175.9	5046.8	4917.7
4762.1	20°	4830.5	4899.0	5051.5	5204.1	5301.8	5399.5	5376.9	5354.2	5206.5	5059.1
4519.8	22.5°	4621.1	4722.4	4896.4	5070.8	5197.9	5325.0	5338.7	5352.1	5211.2	5070.2
4284.7	25°	4401.6	4518.4	4674.8	4831.5	4956.6	5081.7	5128.4	5174.9	5059.3	4943.9
4079.3	27.5°	4192.1	4304.9	4433.6	4562.1	4662.4	4762.7	4814.6	4866.8	4784.4	4702.2
3898.7	30°	3988.1	4077.9	4184.6	4291.4	4374.6	4457.9	4500.2	4542.5	4479.9	4417.1
3740.4	32.5°	3793.3	3846.3	3931.5	4016.9	4096.6	4176.6	4223.5	4270.6	4213.0	4155.2
3590.9	35°	3605.4	3620.1	3685.2	3750.0	3829.0	3908.1	3964.5	4020.9	3979.8	3938.9
3434.2	37.5°	3418.1	3402.0	3448.7	3495.3	3574.0	3653.0	3722.6	3792.3	3773.4	3754.5
3262.6	40°	3226.2	3189.7	3223.4	3257.0	3333.1	3409.3	3489.4	3569.8	3574.4	3578.8
3080.4	42.5°	3032.0	2983.7	3011.1	3038.7	3110.8	3183.1	3269.7	3356.3	3379.5	3402.6
2899.1	45°	2852.0	2805.1	2828.0	2851.4	2919.9	2988.3	3078.2	3168.0	3201.2	3234.4
2737.4	47.5°	2697.9	2658.5	2680.2	2701.8	2768.8	2835.7	2924.3	3012.9	3051.2	3089.4
2595.0	50°	2560.0	2525.1	2559.0	2593.0	2656.2	2719.3	2798.6	2878.0	2927.1	2976.3
2488.9	52.5°	2454.2	2419.8	2470.7	2521.5	2579.5	2637.3	2711.2	2785.3	2843.5	2901.7
2432.5	55°	2377.7	2323.1	2395.4	2467.5	2530.0	2592.4	2657.2	2721.9	2783.5	2845.3
2398.6	57.5°	2318.9	2239.1	2316.9	2394.6	2467.9	2541.2	2605.3	2669.5	2731.8	2793.8
2366.8	60°	2263.5	2160.0	2228.3	2296.3	2380.5	2464.7	2529.8	2595.0	2657.4	2719.9
2329.8	62.5°	2200.5	2071.4	2114.7	2158.0	2256.1	2354.3	2423.8	2493.3	2550.5	2607.7
2251.6	65°	2114.3	1976.7	1993.4	2010.0	2115.1	2220.4	2286.9	2353.3	2403.7	2454.0
2112.3	67.5°	1997.9	1883.5	1878.2	1873.0	1970.1	2067.3	2130.4	2193.2	2236.7	2280.2
1935.4	70°	1854.1	1772.7	1754.6	1736.5	1821.8	1907.2	1961.6	2016.0	2055.3	2094.5
1738.5	72.5°	1682.7	1626.9	1600.3	1573.9	1641.2	1708.3	1757.4	1806.5	1845.0	1883.5
1514.9	75°	1472.0	1428.9	1403.5	1378.0	1427.9	1477.9	1522.4	1566.9	1601.9	1637.0
1291.0	77.5°	1256.5	1222.1	1196.3	1170.5	1211.2	1251.7	1290.0	1328.2	1365.1	1401.7
1035.6	80°	1006.8	977.8	956.2	934.5	968.3	1002.0	1034.2	1066.4	1094.4	1122.2
761.7	82.5°	747.6	733.5	718.2	702.9	700.1	697.2	686.0	674.7	734.3	793.9
501.5	85°	486.4	471.3	454.2	437.0	422.5	407.8	376.6	345.4	401.2	457.2
221.5	87.5°	215.5	209.5	206.2	203.0	202.4	201.8	178.0	154.1	177.4	201.0
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
4858.7	2.5°	4839.6	4824.7	4809.8	4796.1	4782.2	4765.1	4782.2	4796.1	4809.8	4824.7
4571.5	5°	4545.1	4526.4	4507.7	4493.4	4479.1	4465.0	4479.1	4493.4	4507.7	4526.4
4399.3	7.5°	4367.9	4346.4	4325.0	4312.1	4299.4	4289.8	4299.4	4312.1	4325.0	4346.4
4349.8	10°	4314.3	4294.0	4273.7	4262.8	4251.9	4247.5	4251.9	4262.8	4273.7	4294.0
4438.8	12.5°	4393.5	4370.7	4348.2	4338.9	4329.7	4328.0	4329.7	4338.9	4348.2	4370.7
4626.1	15°	4557.2	4525.6	4494.2	4482.1	4470.0	4469.0	4470.0	4482.1	4494.2	4525.6
4816.2	17.5°	4714.7	4668.0	4621.1	4605.8	4590.3	4587.8	4590.3	4605.8	4621.1	4668.0
4934.7	20°	4810.4	4750.6	4690.6	4671.4	4652.3	4646.2	4652.3	4671.4	4690.6	4750.6
4942.1	22.5°	4813.8	4750.8	4687.5	4666.4	4645.2	4636.2	4645.2	4666.4	4687.5	4750.8
4829.9	25°	4716.3	4661.6	4607.0	4587.0	4567.3	4555.6	4567.3	4587.0	4607.0	4661.6
4613.8	27.5°	4525.4	4488.8	4451.9	4442.8	4433.8	4430.8	4433.8	4442.8	4451.9	4488.8
4353.8	30°	4290.2	4271.4	4252.5	4252.5	4252.5	4255.5	4252.5	4252.5	4252.5	4271.4
4104.7	32.5°	4054.1	4041.9	4029.6	4031.2	4033.0	4036.0	4033.0	4031.2	4029.6	4041.9
3892.2	35°	3845.7	3827.0	3808.4	3804.4	3800.4	3798.4	3800.4	3804.4	3808.4	3827.0
3711.6	37.5°	3668.5	3634.4	3600.6	3582.7	3564.7	3554.7	3564.7	3582.7	3600.6	3634.4
3542.4	40°	3505.9	3456.4	3407.2	3373.8	3340.8	3321.1	3340.8	3373.8	3407.2	3456.4
3371.8	42.5°	3341.2	3279.8	3218.3	3169.8	3121.3	3089.4	3121.3	3169.8	3218.3	3279.8
3206.7	45°	3179.1	3108.8	3038.7	2981.7	2924.7	2888.0	2924.7	2981.7	3038.7	3108.8
3070.1	47.5°	3050.8	2988.3	2925.9	2873.1	2820.6	2785.3	2820.6	2873.1	2925.9	2988.3
2975.0	50°	2974.2	2924.3	2874.4	2825.6	2776.9	2743.0	2776.9	2825.6	2874.4	2924.3
2912.2	52.5°	2922.7	2882.0	2841.3	2797.6	2754.1	2722.9	2754.1	2797.6	2841.3	2882.0
2859.8	55°	2874.4	2838.9	2803.5	2765.2	2726.9	2698.7	2726.9	2765.2	2803.5	2838.9
2808.5	57.5°	2823.2	2787.3	2751.5	2713.6	2675.6	2646.4	2675.6	2713.6	2751.5	2787.3
2736.0	60°	2752.1	2717.1	2682.2	2643.1	2604.1	2573.9	2604.1	2643.1	2682.2	2717.1
2623.2	62.5°	2638.7	2607.1	2575.5	2534.4	2493.3	2457.1	2493.3	2534.4	2575.5	2607.1
2469.9	65°	2485.7	2455.2	2424.8	2385.0	2345.3	2314.1	2345.3	2385.0	2424.8	2455.2
2295.7	67.5°	2311.0	2283.0	2255.3	2218.2	2181.1	2152.9	2181.1	2218.2	2255.3	2283.0
2109.4	70°	2124.3	2101.6	2078.8	2043.4	2007.9	1975.7	2007.9	2043.4	2078.8	2101.6
1901.2	72.5°	1918.9	1900.0	1881.1	1847.2	1813.6	1782.4	1813.6	1847.2	1881.1	1900.0
1655.5	75°	1674.0	1664.8	1655.5	1627.1	1598.7	1568.9	1598.7	1627.1	1655.5	1664.8
1419.0	77.5°	1436.4	1423.5	1410.2	1381.6	1353.0	1329.2	1353.0	1381.6	1410.2	1423.5
1145.1	80°	1168.1	1162.5	1157.0	1118.6	1079.9	1035.2	1079.9	1118.6	1157.0	1162.5
833.0	82.5°	872.1	869.6	867.0	834.6	802.0	773.4	802.0	834.6	867.0	869.6
505.5	85°	553.8	549.8	545.8	520.4	495.0	469.3	495.0	520.4	545.8	549.8
220.5	87.5°	240.1	235.2	230.0	217.1	203.8	191.3	203.8	217.1	230.0	235.2
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
4839.6	2.5°	4858.7	4877.9	4901.6	4925.2	4955.6	4986.2	5016.6	5047.0	5081.7	5116.5
4545.1	5°	4571.5	4597.9	4635.8	4673.4	4722.6	4771.5	4825.5	4879.5	4940.5	5001.7
4367.9	7.5°	4399.3	4430.8	4475.5	4520.4	4580.2	4640.2	4708.3	4776.2	4856.7	4937.3
4314.3	10°	4349.8	4384.8	4438.6	4492.2	4559.6	4627.1	4700.4	4773.5	4854.1	4934.7
4393.5	12.5°	4438.8	4484.1	4552.6	4621.1	4690.8	4760.6	4817.8	4875.4	4928.6	4982.2
4557.2	15°	4626.1	4695.0	4792.5	4889.9	4950.6	5011.2	5026.1	5041.0	5033.7	5026.5
4714.7	17.5°	4816.2	4917.7	5046.8	5175.9	5224.7	5273.6	5227.1	5180.4	5092.5	5004.7
4810.4	20°	4934.7	5059.1	5206.5	5354.2	5376.9	5399.5	5301.8	5204.1	5051.5	4899.0
4813.8	22.5°	4942.1	5070.2	5211.2	5352.1	5338.7	5325.0	5197.9	5070.8	4896.4	4722.4
4716.3	25°	4829.9	4943.9	5059.3	5174.9	5128.4	5081.7	4956.6	4831.5	4674.8	4518.4
4525.4	27.5°	4613.8	4702.2	4784.4	4866.8	4814.6	4762.7	4662.4	4562.1	4433.6	4304.9
4290.2	30°	4353.8	4417.1	4479.9	4542.5	4500.2	4457.9	4374.6	4291.4	4184.6	4077.9
4054.1	32.5°	4104.7	4155.2	4213.0	4270.6	4223.5	4176.6	4096.6	4016.9	3931.5	3846.3
3845.7	35°	3892.2	3938.9	3979.8	4020.9	3964.5	3908.1	3829.0	3750.0	3685.2	3620.1
3668.5	37.5°	3711.6	3754.5	3773.4	3792.3	3722.6	3653.0	3574.0	3495.3	3448.7	3402.0
3505.9	40°	3542.4	3578.8	3574.4	3569.8	3489.4	3409.3	3333.1	3257.0	3223.4	3189.7
3341.2	42.5°	3371.8	3402.6	3379.5	3356.3	3269.7	3183.1	3110.8	3038.7	3011.1	2983.7
3179.1	45°	3206.7	3234.4	3201.2	3168.0	3078.2	2988.3	2919.9	2851.4	2828.0	2805.1
3050.8	47.5°	3070.1	3089.4	3051.2	3012.9	2924.3	2835.7	2768.8	2701.8	2680.2	2658.5
2974.2	50°	2975.0	2976.3	2927.1	2878.0	2798.6	2719.3	2656.2	2593.0	2559.0	2525.1
2922.7	52.5°	2912.2	2901.7	2843.5	2785.3	2711.2	2637.3	2579.5	2521.5	2470.7	2419.8
2874.4	55°	2859.8	2845.3	2783.5	2721.9	2657.2	2592.4	2530.0	2467.5	2395.4	2323.1
2823.2	57.5°	2808.5	2793.8	2731.8	2669.5	2605.3	2541.2	2467.9	2394.6	2316.9	2239.1
2752.1	60°	2736.0	2719.9	2657.4	2595.0	2529.8	2464.7	2380.5	2296.3	2228.3	2160.0
2638.7	62.5°	2623.2	2607.7	2550.5	2493.3	2423.8	2354.3	2256.1	2158.0	2114.7	2071.4
2485.7	65°	2469.9	2454.0	2403.7	2353.3	2286.9	2220.4	2115.1	2010.0	1993.4	1976.7
2311.0	67.5°	2295.7	2280.2	2236.7	2193.2	2130.4	2067.3	1970.1	1873.0	1878.2	1883.5
2124.3	70°	2109.4	2094.5	2055.3	2016.0	1961.6	1907.2	1821.8	1736.5	1754.6	1772.7
1918.9	72.5°	1901.2	1883.5	1845.0	1806.5	1757.4	1708.3	1641.2	1573.9	1600.3	1626.9
1674.0	75°	1655.5	1637.0	1601.9	1566.9	1522.4	1477.9	1427.9	1378.0	1403.5	1428.9
1436.4	77.5°	1419.0	1401.7	1365.1	1328.2	1290.0	1251.7	1211.2	1170.5	1196.3	1222.1
1168.1	80°	1145.1	1122.2	1094.4	1066.4	1034.2	1002.0	968.3	934.5	956.2	977.8
872.1	82.5°	833.0	793.9	734.3	674.7	686.0	697.2	700.1	702.9	718.2	733.5
553.8	85°	505.5	457.2	401.2	345.4	376.6	407.8	422.5	437.0	454.2	471.3
240.1	87.5°	220.5	201.0	177.4	154.1	178.0	201.8	202.4	203.0	206.2	209.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5155.0	2.5°	5193.6	5241.4	5284.3	5328.6	5372.9	5419.2	5465.5	5511.5	5557.6	5600.9
5074.8	5°	5147.7	5231.3	5315.9	5405.5	5495.1	5591.0	5687.1	5782.3	5877.8	5973.5
5034.1	7.5°	5131.2	5239.4	5354.8	5479.8	5604.9	5746.9	5888.9	6034.7	6180.5	6338.2
5037.0	10°	5139.3	5255.5	5397.9	5546.1	5693.9	5866.5	6038.9	6231.5	6424.2	6623.8
5065.6	12.5°	5149.3	5257.5	5407.1	5574.5	5741.9	5945.3	6148.7	6367.0	6585.3	6804.4
5066.4	15°	5106.4	5193.0	5358.8	5552.5	5746.3	5980.5	6214.7	6451.6	6688.4	6917.0
4990.2	17.5°	4975.5	5028.9	5223.9	5456.9	5689.9	5961.8	6233.7	6492.1	6750.5	6982.3
4830.5	20°	4762.1	4776.2	5003.1	5291.9	5580.7	5910.2	6239.7	6523.7	6807.7	7048.7
4621.1	22.5°	4519.8	4492.2	4750.6	5098.4	5446.2	5847.0	6247.8	6566.4	6884.8	7131.1
4401.6	25°	4284.7	4210.2	4475.1	4882.3	5289.7	5784.5	6279.6	6643.7	7007.6	7248.7
4192.1	27.5°	4079.3	3988.7	4229.8	4684.7	5139.7	5742.9	6346.0	6764.6	7182.9	7413.1
3988.1	30°	3898.7	3827.6	4030.0	4519.6	5009.2	5723.3	6437.1	6921.0	7405.0	7627.1
3793.3	32.5°	3740.4	3708.7	3871.9	4377.2	4882.3	5699.2	6515.6	7084.4	7653.1	7873.0
3605.4	35°	3590.9	3604.0	3740.0	4237.2	4734.5	5653.6	6573.2	7270.5	7967.7	8178.6
3418.1	37.5°	3434.2	3482.2	3601.0	4072.5	4543.9	5575.7	6607.5	7478.9	8350.4	8619.0
3226.2	40°	3262.6	3336.2	3443.9	3875.9	4307.9	5468.4	6629.0	7743.5	8857.9	9249.4
3032.0	42.5°	3080.4	3173.0	3272.3	3659.0	4045.7	5357.6	6669.9	8089.7	9509.6	10074.7
2852.0	45°	2899.1	2988.7	3089.4	3428.6	3767.8	5254.7	6741.8	8545.3	10348.8	11111.1
2697.9	47.5°	2737.4	2814.5	2944.4	3246.3	3548.2	5169.7	6791.1	9030.7	11270.2	12343.3
2560.0	50°	2595.0	2684.6	2855.4	3125.3	3395.2	5077.0	6758.9	9481.0	12203.1	13820.7
2454.2	52.5°	2488.9	2614.1	2810.5	3045.5	3280.8	4920.6	6560.5	9773.4	12986.1	15372.7
2377.7	55°	2432.5	2621.2	2803.9	2987.7	3171.6	4661.2	6150.7	9709.0	13267.1	16748.7
2318.9	57.5°	2398.6	2628.2	2789.4	2919.3	3049.2	4295.4	5541.5	9255.4	12969.6	17723.8
2263.5	60°	2366.8	2606.1	2712.4	2814.5	2916.6	3820.5	4724.4	8411.4	12098.4	17967.5
2200.5	62.5°	2329.8	2551.7	2564.8	2632.5	2700.3	3252.2	3804.0	7270.1	10736.1	16941.4
2114.3	65°	2251.6	2420.8	2419.2	2451.2	2483.2	2740.8	2998.4	6105.6	9212.9	15489.5
1997.9	67.5°	2112.3	2207.3	2211.8	2194.0	2176.1	2249.4	2322.5	4964.9	7607.2	13761.7
1854.1	70°	1935.4	1966.7	1966.7	1883.9	1800.9	1780.2	1759.2	3909.1	6059.1	11876.4
1682.7	72.5°	1738.5	1738.1	1718.3	1600.9	1483.3	1420.1	1357.0	2988.5	4620.1	9832.6
1472.0	75°	1514.9	1522.6	1431.5	1299.8	1168.1	1110.9	1053.7	2169.1	3284.4	7489.8
1256.5	77.5°	1291.0	1295.0	1144.9	1017.1	889.2	850.1	811.2	1469.8	2128.4	5242.2
1006.8	80°	1035.6	1036.2	856.9	748.8	640.4	624.3	608.2	947.0	1285.9	3377.4
747.6	82.5°	761.7	753.2	600.2	520.4	440.7	437.4	434.6	582.4	730.7	1954.8
486.4	85°	501.5	490.4	376.6	318.2	259.8	261.4	262.8	311.4	360.1	879.3
215.5	87.5°	221.5	207.4	160.1	136.1	112.4	113.8	115.2	129.1	143.0	288.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5644.2	2.5°	5665.5	5687.1	5717.5	5747.9	5766.0	5784.1	5793.2	5802.3	5798.2	5802.3
6069.1	5°	6143.8	6218.8	6292.9	6367.2	6407.5	6447.8	6472.1	6496.7	6515.2	6496.7
6496.1	7.5°	6617.7	6739.2	6848.5	6957.9	7023.8	7089.6	7125.3	7160.7	7177.8	7160.7
6823.4	10°	6967.2	7111.0	7239.2	7367.5	7445.3	7522.6	7557.3	7591.7	7604.8	7591.7
7023.8	12.5°	7179.6	7335.3	7451.3	7566.9	7623.3	7679.7	7698.6	7717.6	7719.6	7717.6
7145.6	15°	7280.1	7414.5	7487.2	7560.1	7562.1	7564.1	7544.0	7523.8	7500.1	7523.8
7214.1	17.5°	7304.9	7395.7	7397.1	7398.4	7316.8	7235.2	7160.5	7085.6	7032.8	7085.6
7289.6	20°	7321.2	7353.0	7257.4	7161.7	6981.7	6801.6	6670.5	6539.4	6458.8	6539.4
7377.2	22.5°	7335.7	7294.2	7096.1	6897.9	6633.0	6368.2	6204.3	6040.3	5951.3	6040.3
7490.0	25°	7359.1	7228.2	6927.3	6626.4	6304.8	5983.1	5810.7	5638.7	5554.6	5638.7
7643.0	27.5°	7409.0	7174.8	6776.2	6377.9	6021.4	5664.9	5495.3	5326.0	5246.4	5326.0
7849.5	30°	7500.5	7151.6	6661.0	6170.4	5799.1	5427.7	5270.4	5113.1	5039.0	5113.1
8093.2	32.5°	7615.3	7137.5	6582.5	6027.4	5678.4	5329.4	5205.9	5082.3	5028.9	5082.3
8389.2	35°	7804.4	7219.7	6641.3	6063.1	5820.6	5578.3	5549.5	5520.7	5516.3	5520.7
8887.7	37.5°	8199.7	7511.7	6986.1	6460.4	6444.7	6429.0	6560.7	6692.5	6760.9	6692.5
9640.9	40°	8892.7	8144.5	7753.6	7362.7	7638.6	7914.5	8234.8	8555.0	8714.5	8555.0
10639.8	42.5°	9897.5	9155.1	8930.0	8704.8	9306.6	9908.4	10490.8	11073.3	11415.2	11073.3
11873.4	45°	11206.6	10539.6	10440.3	10340.8	11304.9	12269.2	13226.2	14183.4	14764.5	14183.4
13416.1	47.5°	12767.4	12118.5	12098.4	12078.2	13469.1	14859.5	16260.7	17661.6	18484.3	17661.6
15438.2	50°	14636.8	13835.6	13839.1	13842.5	15634.9	17427.4	19276.8	21126.2	22244.4	21126.2
17759.3	52.5°	16788.9	15818.8	15720.7	15622.4	17763.5	19904.6	22192.8	24480.9	25821.2	24480.9
20230.4	55°	19271.8	18313.1	17930.7	17548.2	19931.1	22313.9	25041.8	27769.7	29363.8	27769.7
22478.0	57.5°	21956.0	21433.8	20666.6	19899.7	22305.8	24711.9	27801.8	30891.4	32868.1	30891.4
23836.4	60°	24647.3	25458.3	24505.7	23553.1	25830.1	28107.1	31415.2	34723.4	36859.8	34723.4
23146.7	62.5°	25362.2	27577.8	27470.5	27362.9	29448.8	31534.9	34682.3	37829.6	39804.3	37829.6
21766.1	65°	23845.5	25924.9	26336.4	26747.7	29398.5	32049.5	35101.4	38153.2	39834.5	38153.2
19916.2	67.5°	21894.0	23871.7	24064.6	24257.4	27019.3	29781.1	32846.2	35911.3	37228.4	35911.3
17693.8	70°	19844.9	21996.3	22082.5	22168.9	24638.8	27108.6	29746.3	32383.8	33115.9	32383.8
15045.4	72.5°	17514.0	19982.7	20044.7	20106.6	22039.0	23971.4	25946.9	27922.2	27996.3	27922.2
11695.2	75°	14250.1	16805.0	17034.4	17263.8	18767.3	20270.7	21661.3	23052.0	22679.4	23052.0
8356.0	77.5°	10741.0	13126.1	13454.4	13782.7	14925.6	16068.5	17054.8	18041.2	17400.8	18041.2
5469.0	80°	7475.5	9481.8	9889.8	10297.9	11161.1	12023.9	12541.9	13059.6	12029.5	13059.6
3179.1	82.5°	4550.8	5922.7	6378.5	6834.4	7428.6	8022.7	8238.8	8454.7	7645.1	8454.7
1398.7	85°	2126.8	2854.8	3242.5	3630.2	4118.4	4606.4	4729.0	4851.7	4203.2	4851.7
433.0	87.5°	677.7	922.4	1138.7	1355.0	1599.1	1843.2	1853.7	1863.9	1564.9	1863.9
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5793.2	2.5°	5784.1	5766.0	5747.9	5717.5	5687.1	5665.5	5644.2
6472.1	5°	6447.8	6407.5	6367.2	6292.9	6218.8	6143.8	6069.1
7125.3	7.5°	7089.6	7023.8	6957.9	6848.5	6739.2	6617.7	6496.1
7557.3	10°	7522.6	7445.3	7367.5	7239.2	7111.0	6967.2	6823.4
7698.6	12.5°	7679.7	7623.3	7566.9	7451.3	7335.3	7179.6	7023.8
7544.0	15°	7564.1	7562.1	7560.1	7487.2	7414.5	7280.1	7145.6
7160.5	17.5°	7235.2	7316.8	7398.4	7397.1	7395.7	7304.9	7214.1
6670.5	20°	6801.6	6981.7	7161.7	7257.4	7353.0	7321.2	7289.6
6204.3	22.5°	6368.2	6633.0	6897.9	7096.1	7294.2	7335.7	7377.2
5810.7	25°	5983.1	6304.8	6626.4	6927.3	7228.2	7359.1	7490.0
5495.3	27.5°	5664.9	6021.4	6377.9	6776.2	7174.8	7409.0	7643.0
5270.4	30°	5427.7	5799.1	6170.4	6661.0	7151.6	7500.5	7849.5
5205.9	32.5°	5329.4	5678.4	6027.4	6582.5	7137.5	7615.3	8093.2
5549.5	35°	5578.3	5820.6	6063.1	6641.3	7219.7	7804.4	8389.2
6560.7	37.5°	6429.0	6444.7	6460.4	6986.1	7511.7	8199.7	8887.7
8234.8	40°	7914.5	7638.6	7362.7	7753.6	8144.5	8892.7	9640.9
10490.8	42.5°	9908.4	9306.6	8704.8	8930.0	9155.1	9897.5	10639.8
13226.2	45°	12269.2	11304.9	10340.8	10440.3	10539.6	11206.6	11873.4
16260.7	47.5°	14859.5	13469.1	12078.2	12098.4	12118.5	12767.4	13416.1
19276.8	50°	17427.4	15634.9	13842.5	13839.1	13835.6	14636.8	15438.2
22192.8	52.5°	19904.6	17763.5	15622.4	15720.7	15818.8	16788.9	17759.3
25041.8	55°	22313.9	19931.1	17548.2	17930.7	18313.1	19271.8	20230.4
27801.8	57.5°	24711.9	22305.8	19899.7	20666.6	21433.8	21956.0	22478.0
31415.2	60°	28107.1	25830.1	23553.1	24505.7	25458.3	24647.3	23836.4
34682.3	62.5°	31534.9	29448.8	27362.9	27470.5	27577.8	25362.2	23146.7
35101.4	65°	32049.5	29398.5	26747.7	26336.4	25924.9	23845.5	21766.1
32846.2	67.5°	29781.1	27019.3	24257.4	24064.6	23871.7	21894.0	19916.2
29746.3	70°	27108.6	24638.8	22168.9	22082.5	21996.3	19844.9	17693.8
25946.9	72.5°	23971.4	22039.0	20106.6	20044.7	19982.7	17514.0	15045.4
21661.3	75°	20270.7	18767.3	17263.8	17034.4	16805.0	14250.1	11695.2
17054.8	77.5°	16068.5	14925.6	13782.7	13454.4	13126.1	10741.0	8356.0
12541.9	80°	12023.9	11161.1	10297.9	9889.8	9481.8	7475.5	5469.0
8238.8	82.5°	8022.7	7428.6	6834.4	6378.5	5922.7	4550.8	3179.1
4729.0	85°	4606.4	4118.4	3630.2	3242.5	2854.8	2126.8	1398.7
1853.7	87.5°	1843.2	1599.1	1355.0	1138.7	922.4	677.7	433.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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