

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: P954313

Luminaire Tested: **GALN-SB7C-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954313
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-SB7C-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49224 lumens
Efficiency: N/A
Efficacy: 140.4 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

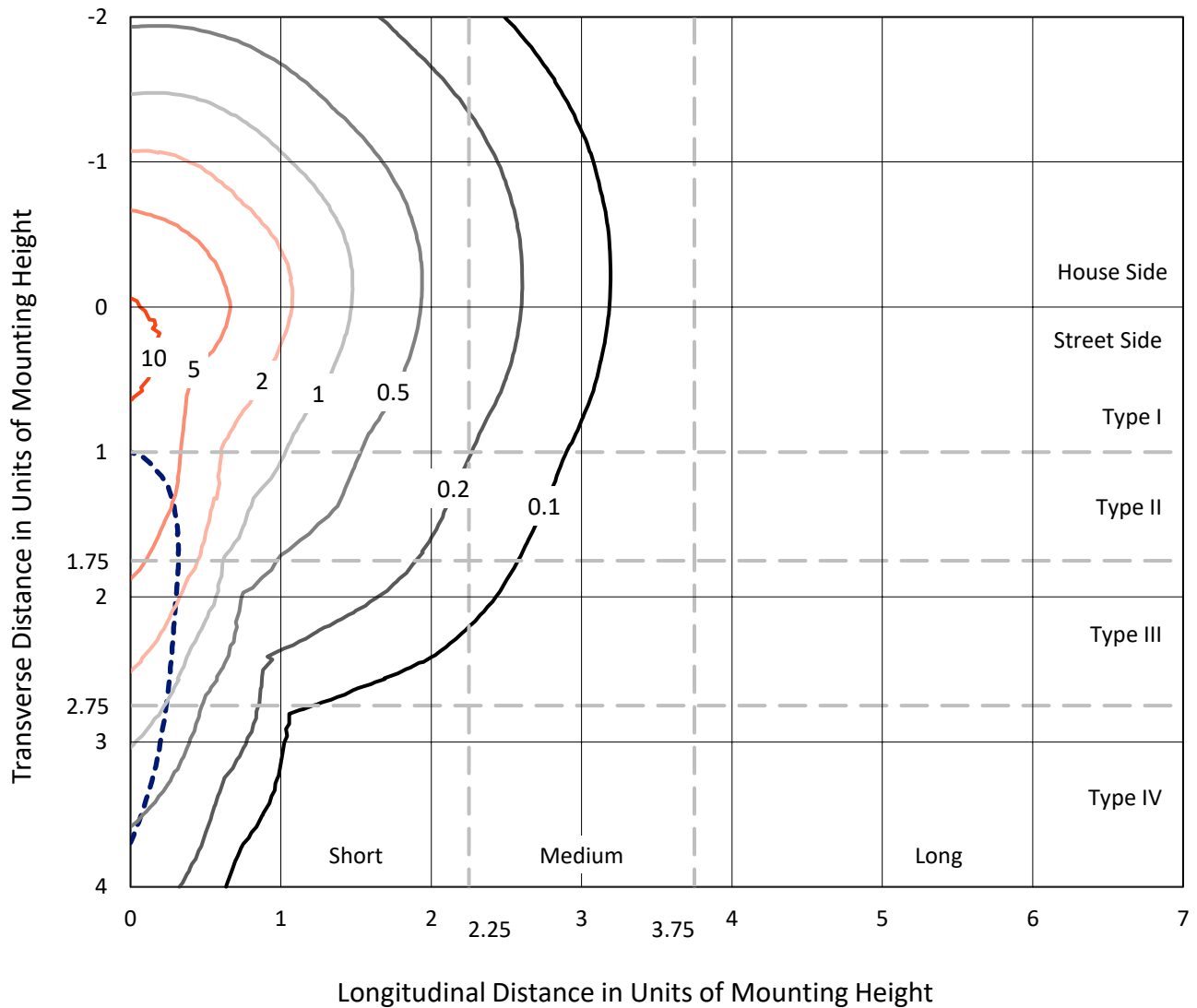
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

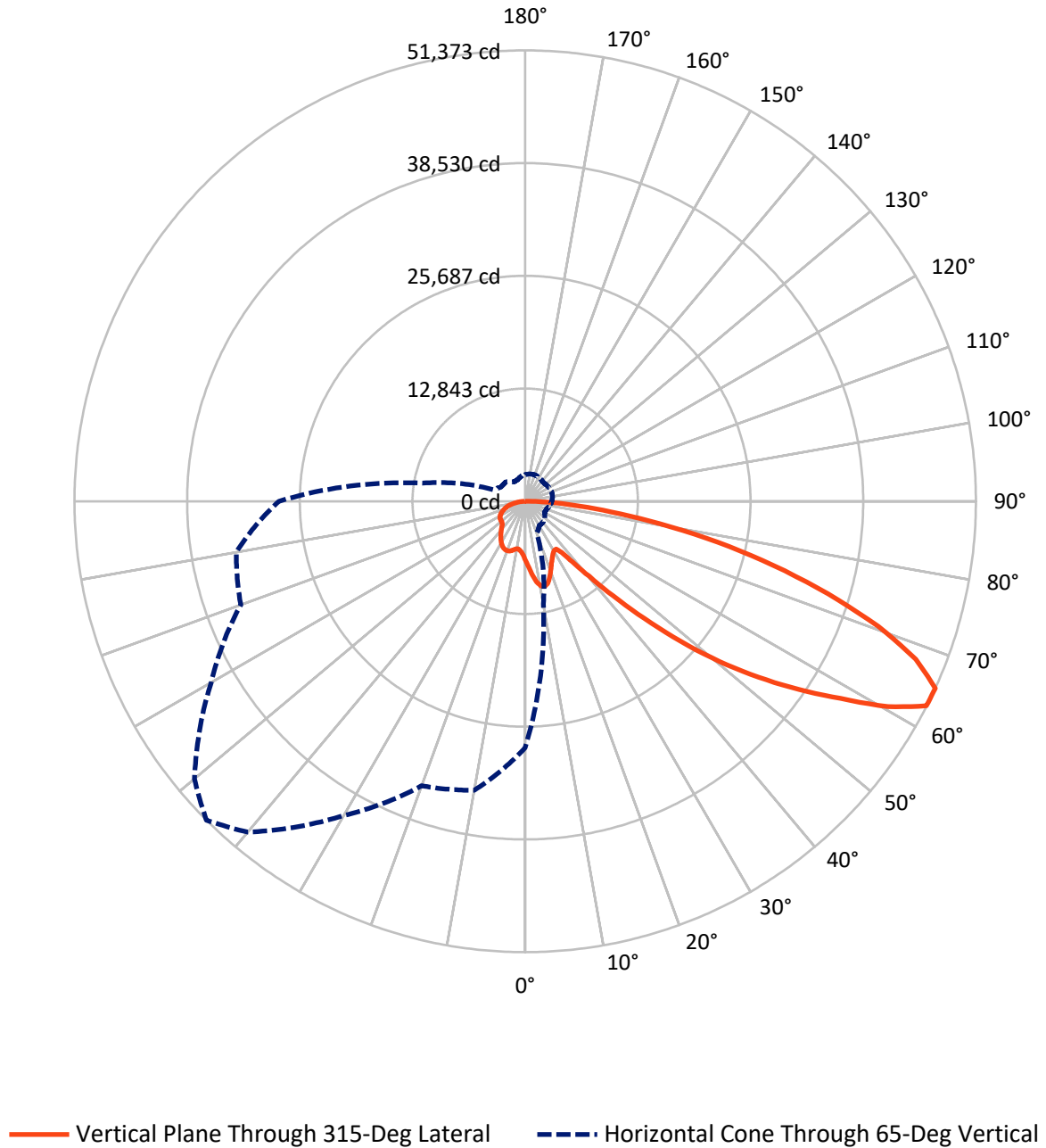
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	12510.3	0.0	12510.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	36713.7	0.0	36713.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	49224.0	0.0	49224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.4	1.4
10°-20°	2107.8	4.3
20°-30°	3255.9	6.6
30°-40°	4126.0	8.4
40°-50°	6223.0	12.6
50°-60°	10054.3	20.4
60°-70°	12534.2	25.5
70°-80°	8219.3	16.7
80°-90°	2032.0	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°	49224.0	100.0
0°-180°	49224.0	100.0

Coefficient of Utilization



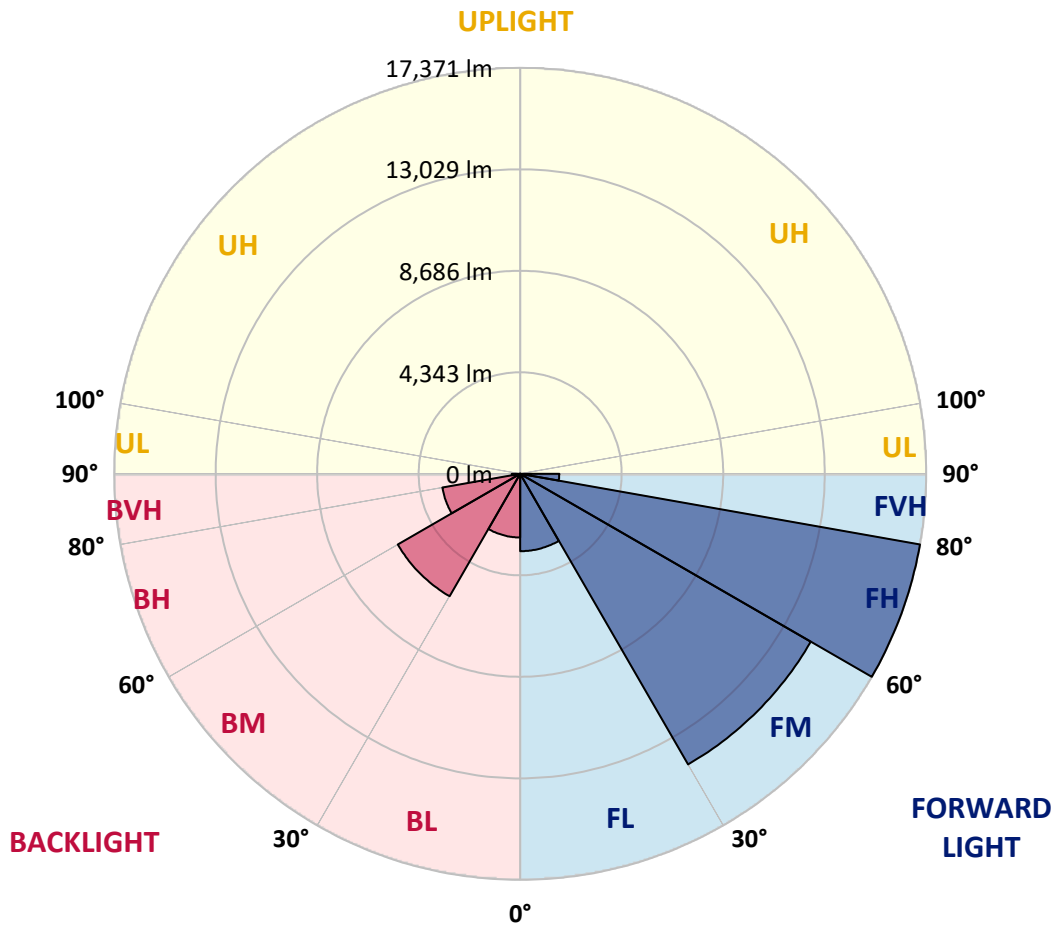
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3310.9	6.7			
FM (30°-60°)	14357.6	29.2			
FH (60°-80°)	17371.3	35.3			G5
FVH (80°-90°)	1673.9	3.4			G5
BL (0°-30°)	2724.3	5.5	B4/5000		
BM (30°-60°)	6045.7	12.3	B4/8500		
BH (60°-80°)	3382.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	358.1	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°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
2.5°	7279.1	7223.3	7167.4	7107.9	7048.7	6989.0	6929.2	6872.1	6815.0	6759.6
5°	7827.1	7703.8	7580.4	7457.3	7334.4	7210.5	7086.9	6971.3	6855.7	6746.6
7.5°	8377.8	8174.2	7970.8	7782.7	7594.7	7411.6	7228.5	7067.2	6905.9	6757.0
10°	8799.9	8542.5	8285.1	8036.5	7788.2	7565.9	7343.3	7152.6	6961.4	6777.8
12.5°	9058.3	8775.4	8492.9	8211.3	7929.7	7667.4	7405.1	7189.2	6973.4	6780.4
15°	9215.4	8920.6	8625.8	8320.4	8014.9	7712.9	7410.8	7160.9	6911.1	6697.3
17.5°	9303.7	9004.8	8705.8	8372.6	8039.4	7688.7	7338.1	7037.6	6737.0	6485.6
20°	9401.1	9090.5	8779.6	8413.4	8047.1	7622.2	7197.3	6824.8	6452.4	6159.6
22.5°	9514.1	9196.7	8879.1	8468.4	8057.5	7540.7	7023.8	6575.2	6126.7	5793.4
25°	9659.6	9348.4	9037.5	8568.2	8098.6	7460.1	6822.0	6296.5	5771.3	5429.8
27.5°	9857.0	9560.4	9263.5	8724.0	8184.3	7406.4	6628.5	6041.7	5455.0	5144.1
30°	10123.2	9836.5	9550.0	8925.8	8301.7	7381.2	6460.2	5828.7	5197.3	4936.3
32.5°	10437.5	10153.6	9870.0	9136.5	8403.0	7350.0	6296.5	5645.1	4993.4	4783.0
35°	10819.3	10547.6	10275.7	9376.5	8477.3	7291.3	6105.9	5464.6	4823.3	4648.0
37.5°	11462.2	11115.7	10769.2	9645.3	8521.4	7190.8	5860.2	5252.1	4644.1	4490.8
40°	12433.6	11928.6	11423.7	9986.6	8549.2	7052.4	5555.8	4998.6	4441.5	4302.5
42.5°	13721.9	12993.0	12264.2	10433.1	8601.9	6909.5	5217.6	4718.9	4220.2	4092.1
45°	15312.7	14329.6	13346.5	11020.6	8694.7	6776.8	4859.1	4421.7	3984.4	3854.5
47.5°	17302.3	15918.7	14534.8	11646.6	8758.3	6667.2	4576.0	4186.7	3797.3	3629.8
50°	19910.1	17824.1	15737.9	12227.3	8716.7	6547.7	4378.6	4030.6	3682.5	3462.3
52.5°	22903.5	19825.7	16747.8	12604.5	8460.9	6345.9	4231.1	3927.7	3624.6	3371.4
55°	26090.5	21600.2	17110.1	12521.4	7932.3	6011.3	4090.3	3853.2	3616.0	3380.5
57.5°	28989.2	22857.8	16726.5	11936.4	7146.6	5539.7	3932.4	3764.9	3597.3	3389.6
60°	30741.1	23172.1	15602.9	10847.9	6092.9	4927.2	3761.5	3629.8	3498.1	3361.0
62.5°	29851.5	21848.7	13846.0	9376.0	4905.9	4194.2	3482.5	3395.0	3307.7	3290.9
65°	28071.0	19976.3	11881.6	7874.2	3867.0	3534.7	3202.5	3161.2	3120.0	3122.0
67.5°	25685.3	17748.0	9810.8	6403.0	2995.3	2901.0	2806.4	2829.6	2852.4	2846.7
70°	22819.1	15316.6	7814.2	5041.5	2268.8	2295.8	2322.6	2429.6	2536.3	2536.3
72.5°	19403.6	12680.8	5958.3	3854.2	1750.1	1831.4	1913.0	2064.6	2216.1	2241.5
75°	15082.9	9659.3	4235.8	2797.4	1358.9	1432.7	1506.5	1676.3	1846.2	1963.6
77.5°	10776.5	6760.7	2744.9	1895.6	1046.2	1096.3	1146.7	1311.7	1476.6	1670.1
80°	7053.1	4355.8	1658.4	1221.3	784.4	805.2	826.0	965.7	1105.2	1336.3
82.5°	4099.9	2521.0	942.3	751.2	560.5	564.1	568.3	671.2	774.0	971.4
85°	1803.9	1134.0	464.4	401.6	339.0	337.1	335.1	410.4	485.7	632.5
87.5°	558.4	371.4	184.4	166.5	148.6	146.8	144.9	175.6	206.5	267.5
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
6698.1	2.5°	6648.2	6598.6	6553.7	6509.0	6469.8	6430.5	6391.1	6351.8	6321.5	6290.8
6638.9	5°	6544.8	6450.5	6371.6	6292.9	6223.3	6153.7	6090.6	6027.2	5978.6	5929.8
6617.6	7.5°	6492.4	6367.4	6263.5	6159.6	6072.1	5984.3	5906.9	5829.8	5771.9	5714.2
6627.9	10°	6496.0	6364.1	6260.2	6156.3	6062.0	5967.4	5880.4	5793.4	5724.3	5655.0
6640.9	12.5°	6532.9	6425.4	6356.3	6287.7	6213.4	6139.6	6049.5	5959.6	5871.3	5783.0
6585.6	15°	6533.9	6482.5	6491.8	6501.2	6482.0	6462.8	6384.6	6306.4	6180.7	6055.0
6416.8	17.5°	6435.7	6454.4	6567.7	6680.9	6741.2	6801.2	6738.1	6675.2	6508.7	6342.2
6141.5	20°	6229.8	6318.1	6514.7	6711.6	6837.6	6963.5	6934.4	6905.1	6714.7	6524.6
5829.0	22.5°	5959.6	6090.3	6314.7	6539.6	6703.5	6867.4	6885.1	6902.5	6720.7	6538.9
5525.9	25°	5676.5	5827.2	6029.0	6231.1	6392.4	6553.7	6613.9	6673.9	6524.8	6376.0
5261.0	27.5°	5406.4	5551.9	5717.8	5883.5	6012.9	6142.2	6209.3	6276.5	6170.3	6064.3
5028.0	30°	5143.3	5259.1	5396.8	5534.5	5641.7	5749.3	5803.8	5858.3	5777.6	5696.5
4823.8	32.5°	4892.1	4960.4	5070.3	5180.4	5283.3	5386.4	5446.9	5507.7	5433.4	5358.9
4631.1	35°	4649.8	4668.8	4752.7	4836.3	4938.1	5040.2	5112.9	5185.6	5132.6	5079.9
4429.0	37.5°	4408.2	4387.5	4447.7	4507.7	4609.3	4711.1	4801.0	4890.8	4866.4	4842.0
4207.7	40°	4160.7	4113.7	4157.1	4200.5	4298.6	4396.8	4500.2	4603.8	4609.8	4615.5
3972.7	42.5°	3910.3	3848.0	3883.3	3918.9	4011.9	4105.1	4216.8	4328.5	4358.4	4388.2
3738.9	45°	3678.1	3617.6	3647.2	3677.3	3765.7	3854.0	3969.8	4085.6	4128.5	4171.4
3530.3	47.5°	3479.4	3428.5	3456.6	3484.4	3570.9	3657.1	3771.4	3885.7	3935.0	3984.4
3346.7	50°	3301.5	3256.6	3300.2	3344.1	3425.7	3507.0	3609.3	3711.6	3775.0	3838.4
3209.8	52.5°	3165.1	3120.7	3186.4	3251.9	3326.7	3401.2	3496.6	3592.2	3667.2	3742.3
3137.1	55°	3066.4	2996.1	3089.3	3182.3	3262.8	3343.3	3427.0	3510.3	3589.8	3669.6
3093.5	57.5°	2990.6	2887.7	2988.0	3088.3	3182.8	3277.4	3359.9	3442.8	3523.1	3603.1
3052.4	60°	2919.2	2785.7	2873.7	2961.5	3070.1	3178.7	3262.5	3346.7	3427.2	3507.7
3004.6	62.5°	2837.9	2671.4	2727.2	2783.1	2909.6	3036.3	3125.9	3215.5	3289.3	3363.1
2903.9	65°	2726.7	2549.3	2570.9	2592.2	2727.7	2863.6	2949.3	3035.0	3100.0	3164.9
2724.1	67.5°	2576.6	2429.1	2422.3	2415.5	2540.7	2666.2	2747.5	2828.5	2884.6	2940.7
2496.1	70°	2391.1	2286.2	2262.8	2239.4	2349.6	2459.7	2529.8	2600.0	2650.6	2701.3
2242.0	72.5°	2170.1	2098.1	2063.9	2029.8	2116.6	2203.1	2266.5	2329.8	2379.4	2429.1
1953.7	75°	1898.4	1842.8	1810.1	1777.1	1841.5	1905.9	1963.3	2020.7	2065.9	2111.1
1664.9	77.5°	1620.5	1576.1	1542.8	1509.6	1562.1	1614.3	1663.6	1713.0	1760.5	1807.8
1335.6	80°	1298.4	1261.0	1233.2	1205.2	1248.8	1292.2	1333.7	1375.3	1411.4	1447.2
982.3	82.5°	964.1	946.0	926.2	906.5	902.8	899.2	884.7	870.1	947.0	1023.9
646.7	85°	627.3	607.8	585.7	563.6	544.9	526.0	485.7	445.4	517.4	589.6
285.7	87.5°	277.9	270.1	266.0	261.8	261.0	260.3	229.6	198.7	228.8	259.2
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
6266.1	2.5°	6241.5	6222.2	6203.0	6185.4	6167.4	6145.4	6167.4	6185.4	6203.0	6222.2
5895.8	5°	5861.7	5837.6	5813.4	5795.0	5776.5	5758.4	5776.5	5795.0	5813.4	5837.6
5673.7	7.5°	5633.2	5605.4	5577.8	5561.2	5544.8	5532.4	5544.8	5561.2	5577.8	5605.4
5609.8	10°	5564.1	5537.8	5511.6	5497.6	5483.5	5477.8	5483.5	5497.6	5511.6	5537.8
5724.6	12.5°	5666.1	5636.8	5607.7	5595.8	5583.8	5581.7	5583.8	5595.8	5607.7	5636.8
5966.1	15°	5877.3	5836.5	5796.0	5780.4	5764.8	5763.5	5764.8	5780.4	5796.0	5836.5
6211.3	17.5°	6080.4	6020.2	5959.6	5939.9	5919.9	5916.8	5919.9	5939.9	5959.6	6020.2
6364.1	20°	6203.8	6126.7	6049.3	6024.6	5999.9	5992.1	5999.9	6024.6	6049.3	6126.7
6373.7	22.5°	6208.2	6126.9	6045.4	6018.1	5990.8	5979.1	5990.8	6018.1	6045.4	6126.9
6229.0	25°	6082.5	6011.9	5941.5	5915.8	5890.3	5875.2	5890.3	5915.8	5941.5	6011.9
5950.3	27.5°	5836.3	5789.0	5741.5	5729.8	5718.1	5714.2	5718.1	5729.8	5741.5	5789.0
5615.0	30°	5532.9	5508.7	5484.3	5484.3	5484.3	5488.2	5484.3	5484.3	5484.3	5508.7
5293.7	32.5°	5228.5	5212.6	5196.8	5198.9	5201.2	5205.1	5201.2	5198.9	5196.8	5212.6
5019.7	35°	4959.7	4935.5	4911.6	4906.4	4901.2	4898.6	4901.2	4906.4	4911.6	4935.5
4786.7	37.5°	4731.1	4687.2	4643.6	4620.4	4597.3	4584.3	4597.3	4620.4	4643.6	4687.2
4568.5	40°	4521.5	4457.6	4394.2	4351.1	4308.5	4283.0	4308.5	4351.1	4394.2	4457.6
4348.5	42.5°	4309.0	4229.8	4150.6	4088.0	4025.4	3984.4	4025.4	4088.0	4150.6	4229.8
4135.5	45°	4099.9	4009.3	3918.9	3845.4	3771.9	3724.6	3771.9	3845.4	3918.9	4009.3
3959.4	47.5°	3934.5	3854.0	3773.4	3705.4	3637.6	3592.2	3637.6	3705.4	3773.4	3854.0
3836.8	50°	3835.8	3771.4	3707.0	3644.1	3581.2	3537.6	3581.2	3644.1	3707.0	3771.4
3755.8	52.5°	3769.3	3716.8	3664.4	3608.0	3551.9	3511.6	3551.9	3608.0	3664.4	3716.8
3688.3	55°	3707.0	3661.2	3615.5	3566.2	3516.8	3480.5	3516.8	3566.2	3615.5	3661.2
3622.0	57.5°	3641.0	3594.7	3548.5	3499.7	3450.6	3412.9	3450.6	3499.7	3548.5	3594.7
3528.5	60°	3549.3	3504.1	3459.2	3408.8	3358.4	3319.4	3358.4	3408.8	3459.2	3504.1
3383.1	62.5°	3403.1	3362.3	3321.5	3268.5	3215.5	3168.8	3215.5	3268.5	3321.5	3362.3
3185.4	65°	3205.7	3166.4	3127.2	3075.8	3024.6	2984.4	3024.6	3075.8	3127.2	3166.4
2960.7	67.5°	2980.5	2944.4	2908.5	2860.7	2812.9	2776.6	2812.9	2860.7	2908.5	2944.4
2720.5	70°	2739.7	2710.3	2681.0	2635.3	2589.6	2548.0	2589.6	2635.3	2681.0	2710.3
2451.9	72.5°	2474.8	2450.4	2425.9	2382.3	2338.9	2298.7	2338.9	2382.3	2425.9	2450.4
2135.0	75°	2158.9	2147.0	2135.0	2098.4	2061.8	2023.3	2061.8	2098.4	2135.0	2147.0
1830.1	77.5°	1852.4	1835.8	1818.7	1781.8	1744.9	1714.3	1744.9	1781.8	1818.7	1835.8
1476.9	80°	1506.5	1499.2	1492.2	1442.6	1392.7	1335.0	1392.7	1442.6	1492.2	1499.2
1074.3	82.5°	1124.7	1121.5	1118.2	1076.3	1034.3	997.4	1034.3	1076.3	1118.2	1121.5
651.9	85°	714.3	709.1	703.9	671.2	638.4	605.2	638.4	671.2	703.9	709.1
284.4	87.5°	309.6	303.4	296.6	280.0	262.9	246.7	262.9	280.0	296.6	303.4
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
6241.5	2.5°	6266.1	6290.8	6321.5	6351.8	6391.1	6430.5	6469.8	6509.0	6553.7	6598.6
5861.7	5°	5895.8	5929.8	5978.6	6027.2	6090.6	6153.7	6223.3	6292.9	6371.6	6450.5
5633.2	7.5°	5673.7	5714.2	5771.9	5829.8	5906.9	5984.3	6072.1	6159.6	6263.5	6367.4
5564.1	10°	5609.8	5655.0	5724.3	5793.4	5880.4	5967.4	6062.0	6156.3	6260.2	6364.1
5666.1	12.5°	5724.6	5783.0	5871.3	5959.6	6049.5	6139.6	6213.4	6287.7	6356.3	6425.4
5877.3	15°	5966.1	6055.0	6180.7	6306.4	6384.6	6462.8	6482.0	6501.2	6491.8	6482.5
6080.4	17.5°	6211.3	6342.2	6508.7	6675.2	6738.1	6801.2	6741.2	6680.9	6567.7	6454.4
6203.8	20°	6364.1	6524.6	6714.7	6905.1	6934.4	6963.5	6837.6	6711.6	6514.7	6318.1
6208.2	22.5°	6373.7	6538.9	6720.7	6902.5	6885.1	6867.4	6703.5	6539.6	6314.7	6090.3
6082.5	25°	6229.0	6376.0	6524.8	6673.9	6613.9	6553.7	6392.4	6231.1	6029.0	5827.2
5836.3	27.5°	5950.3	6064.3	6170.3	6276.5	6209.3	6142.2	6012.9	5883.5	5717.8	5551.9
5532.9	30°	5615.0	5696.5	5777.6	5858.3	5803.8	5749.3	5641.7	5534.5	5396.8	5259.1
5228.5	32.5°	5293.7	5358.9	5433.4	5507.7	5446.9	5386.4	5283.3	5180.4	5070.3	4960.4
4959.7	35°	5019.7	5079.9	5132.6	5185.6	5112.9	5040.2	4938.1	4836.3	4752.7	4668.8
4731.1	37.5°	4786.7	4842.0	4866.4	4890.8	4801.0	4711.1	4609.3	4507.7	4447.7	4387.5
4521.5	40°	4568.5	4615.5	4609.8	4603.8	4500.2	4396.8	4298.6	4200.5	4157.1	4113.7
4309.0	42.5°	4348.5	4388.2	4358.4	4328.5	4216.8	4105.1	4011.9	3918.9	3883.3	3848.0
4099.9	45°	4135.5	4171.4	4128.5	4085.6	3969.8	3854.0	3765.7	3677.3	3647.2	3617.6
3934.5	47.5°	3959.4	3984.4	3935.0	3885.7	3771.4	3657.1	3570.9	3484.4	3456.6	3428.5
3835.8	50°	3836.8	3838.4	3775.0	3711.6	3609.3	3507.0	3425.7	3344.1	3300.2	3256.6
3769.3	52.5°	3755.8	3742.3	3667.2	3592.2	3496.6	3401.2	3326.7	3251.9	3186.4	3120.7
3707.0	55°	3688.3	3669.6	3589.8	3510.3	3427.0	3343.3	3262.8	3182.3	3089.3	2996.1
3641.0	57.5°	3622.0	3603.1	3523.1	3442.8	3359.9	3277.4	3182.8	3088.3	2988.0	2887.7
3549.3	60°	3528.5	3507.7	3427.2	3346.7	3262.5	3178.7	3070.1	2961.5	2873.7	2785.7
3403.1	62.5°	3383.1	3363.1	3289.3	3215.5	3125.9	3036.3	2909.6	2783.1	2727.2	2671.4
3205.7	65°	3185.4	3164.9	3100.0	3035.0	2949.3	2863.6	2727.7	2592.2	2570.9	2549.3
2980.5	67.5°	2960.7	2940.7	2884.6	2828.5	2747.5	2666.2	2540.7	2415.5	2422.3	2429.1
2739.7	70°	2720.5	2701.3	2650.6	2600.0	2529.8	2459.7	2349.6	2239.4	2262.8	2286.2
2474.8	72.5°	2451.9	2429.1	2379.4	2329.8	2266.5	2203.1	2116.6	2029.8	2063.9	2098.1
2158.9	75°	2135.0	2111.1	2065.9	2020.7	1963.3	1905.9	1841.5	1777.1	1810.1	1842.8
1852.4	77.5°	1830.1	1807.8	1760.5	1713.0	1663.6	1614.3	1562.1	1509.6	1542.8	1576.1
1506.5	80°	1476.9	1447.2	1411.4	1375.3	1333.7	1292.2	1248.8	1205.2	1233.2	1261.0
1124.7	82.5°	1074.3	1023.9	947.0	870.1	884.7	899.2	902.8	906.5	926.2	946.0
714.3	85°	651.9	589.6	517.4	445.4	485.7	526.0	544.9	563.6	585.7	607.8
309.6	87.5°	284.4	259.2	228.8	198.7	229.6	260.3	261.0	261.8	266.0	270.1
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
6648.2	2.5°	6698.1	6759.6	6815.0	6872.1	6929.2	6989.0	7048.7	7107.9	7167.4	7223.3
6544.8	5°	6638.9	6746.6	6855.7	6971.3	7086.9	7210.5	7334.4	7457.3	7580.4	7703.8
6492.4	7.5°	6617.6	6757.0	6905.9	7067.2	7228.5	7411.6	7594.7	7782.7	7970.8	8174.2
6496.0	10°	6627.9	6777.8	6961.4	7152.6	7343.3	7565.9	7788.2	8036.5	8285.1	8542.5
6532.9	12.5°	6640.9	6780.4	6973.4	7189.2	7405.1	7667.4	7929.7	8211.3	8492.9	8775.4
6533.9	15°	6585.6	6697.3	6911.1	7160.9	7410.8	7712.9	8014.9	8320.4	8625.8	8920.6
6435.7	17.5°	6416.8	6485.6	6737.0	7037.6	7338.1	7688.7	8039.4	8372.6	8705.8	9004.8
6229.8	20°	6141.5	6159.6	6452.4	6824.8	7197.3	7622.2	8047.1	8413.4	8779.6	9090.5
5959.6	22.5°	5829.0	5793.4	6126.7	6575.2	7023.8	7540.7	8057.5	8468.4	8879.1	9196.7
5676.5	25°	5525.9	5429.8	5771.3	6296.5	6822.0	7460.1	8098.6	8568.2	9037.5	9348.4
5406.4	27.5°	5261.0	5144.1	5455.0	6041.7	6628.5	7406.4	8184.3	8724.0	9263.5	9560.4
5143.3	30°	5028.0	4936.3	5197.3	5828.7	6460.2	7381.2	8301.7	8925.8	9550.0	9836.5
4892.1	32.5°	4823.8	4783.0	4993.4	5645.1	6296.5	7350.0	8403.0	9136.5	9870.0	10153.6
4649.8	35°	4631.1	4648.0	4823.3	5464.6	6105.9	7291.3	8477.3	9376.5	10275.7	10547.6
4408.2	37.5°	4429.0	4490.8	4644.1	5252.1	5860.2	7190.8	8521.4	9645.3	10769.2	11115.7
4160.7	40°	4207.7	4302.5	4441.5	4998.6	5555.8	7052.4	8549.2	9986.6	11423.7	11928.6
3910.3	42.5°	3972.7	4092.1	4220.2	4718.9	5217.6	6909.5	8601.9	10433.1	12264.2	12993.0
3678.1	45°	3738.9	3854.5	3984.4	4421.7	4859.1	6776.8	8694.7	11020.6	13346.5	14329.6
3479.4	47.5°	3530.3	3629.8	3797.3	4186.7	4576.0	6667.2	8758.3	11646.6	14534.8	15918.7
3301.5	50°	3346.7	3462.3	3682.5	4030.6	4378.6	6547.7	8716.7	12227.3	15737.9	17824.1
3165.1	52.5°	3209.8	3371.4	3624.6	3927.7	4231.1	6345.9	8460.9	12604.5	16747.8	19825.7
3066.4	55°	3137.1	3380.5	3616.0	3853.2	4090.3	6011.3	7932.3	12521.4	17110.1	21600.2
2990.6	57.5°	3093.5	3389.6	3597.3	3764.9	3932.4	5539.7	7146.6	11936.4	16726.5	22857.8
2919.2	60°	3052.4	3361.0	3498.1	3629.8	3761.5	4927.2	6092.9	10847.9	15602.9	23172.1
2837.9	62.5°	3004.6	3290.9	3307.7	3395.0	3482.5	4194.2	4905.9	9376.0	13846.0	21848.7
2726.7	65°	2903.9	3122.0	3120.0	3161.2	3202.5	3534.7	3867.0	7874.2	11881.6	19976.3
2576.6	67.5°	2724.1	2846.7	2852.4	2829.6	2806.4	2901.0	2995.3	6403.0	9810.8	17748.0
2391.1	70°	2496.1	2536.3	2536.3	2429.6	2322.6	2295.8	2268.8	5041.5	7814.2	15316.6
2170.1	72.5°	2242.0	2241.5	2216.1	2064.6	1913.0	1831.4	1750.1	3854.2	5958.3	12680.8
1898.4	75°	1953.7	1963.6	1846.2	1676.3	1506.5	1432.7	1358.9	2797.4	4235.8	9659.3
1620.5	77.5°	1664.9	1670.1	1476.6	1311.7	1146.7	1096.3	1046.2	1895.6	2744.9	6760.7
1298.4	80°	1335.6	1336.3	1105.2	965.7	826.0	805.2	784.4	1221.3	1658.4	4355.8
964.1	82.5°	982.3	971.4	774.0	671.2	568.3	564.1	560.5	751.2	942.3	2521.0
627.3	85°	646.7	632.5	485.7	410.4	335.1	337.1	339.0	401.6	464.4	1134.0
277.9	87.5°	285.7	267.5	206.5	175.6	144.9	146.8	148.6	166.5	184.4	371.4
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
7279.1	2.5°	7306.6	7334.4	7373.6	7412.9	7436.2	7459.6	7471.3	7483.0	7477.8	7483.0
7827.1	5°	7923.5	8020.1	8115.7	8211.6	8263.5	8315.5	8346.9	8378.6	8402.5	8378.6
8377.8	7.5°	8534.7	8691.3	8832.3	8973.4	9058.3	9143.2	9189.2	9234.9	9257.0	9234.9
8799.9	10°	8985.3	9170.8	9336.2	9501.7	9601.9	9701.7	9746.3	9790.8	9807.6	9790.8
9058.3	12.5°	9259.3	9460.1	9609.7	9758.8	9831.5	9904.3	9928.7	9953.1	9955.7	9953.1
9215.4	15°	9388.9	9562.2	9656.0	9750.0	9752.6	9755.2	9729.2	9703.2	9672.6	9703.2
9303.7	17.5°	9420.9	9538.0	9539.8	9541.4	9436.2	9331.0	9234.7	9138.0	9070.0	9138.0
9401.1	20°	9441.9	9483.0	9359.6	9236.2	9004.0	8771.8	8602.7	8433.6	8329.7	8433.6
9514.1	22.5°	9460.6	9407.1	9151.5	8896.0	8554.4	8212.9	8001.4	7790.0	7675.2	7790.0
9659.6	25°	9490.8	9321.9	8933.9	8545.8	8131.0	7716.2	7493.9	7272.1	7163.5	7272.1
9857.0	27.5°	9555.2	9253.1	8739.1	8225.3	7765.6	7305.9	7087.2	6868.7	6766.1	6868.7
10123.2	30°	9673.1	9223.2	8590.5	7957.8	7478.8	6999.9	6797.0	6594.2	6498.6	6594.2
10437.5	32.5°	9821.1	9205.0	8489.2	7773.4	7323.3	6873.1	6713.9	6554.4	6485.6	6554.4
10819.3	35°	10065.0	9311.0	8565.1	7819.4	7506.6	7194.2	7157.0	7119.9	7114.2	7119.9
11462.2	37.5°	10574.9	9687.6	9009.7	8331.8	8311.6	8291.3	8461.2	8631.0	8719.3	8631.0
12433.6	40°	11468.6	10503.7	9999.6	9495.4	9851.3	10207.1	10620.1	11033.1	11238.8	11033.1
13721.9	42.5°	12764.5	11807.1	11516.7	11226.3	12002.4	12778.5	13529.7	14280.8	14721.8	14280.8
15312.7	45°	14452.8	13592.5	13464.5	13336.2	14579.5	15823.1	17057.4	18291.9	19041.3	18291.9
17302.3	47.5°	16465.7	15628.8	15602.9	15576.9	17370.6	19163.9	20970.8	22777.6	23838.6	22777.6
19910.1	50°	18876.6	17843.4	17847.8	17852.2	20163.8	22475.5	24860.6	27245.8	28687.9	27245.8
22903.5	52.5°	21652.1	20401.0	20274.5	20147.7	22909.0	25670.2	28621.4	31572.2	33300.8	31572.2
26090.5	55°	24854.2	23617.8	23124.6	22631.3	25704.5	28777.5	32295.6	35813.7	37869.5	35813.7
28989.2	57.5°	28315.9	27642.4	26653.1	25664.0	28767.1	31870.1	35855.0	39839.6	42388.9	39839.6
30741.1	60°	31786.8	32832.7	31604.2	30375.6	33312.2	36248.8	40515.2	44781.6	47536.9	44781.6
29851.5	62.5°	32708.8	35566.2	35427.8	35289.1	37979.1	40669.5	44728.6	48787.5	51334.3	48787.5
28071.0	65°	30752.8	33434.5	33965.2	34495.6	37914.2	41333.1	45269.2	49204.9	51373.2	49204.9
25685.3	67.5°	28235.9	30786.5	31035.4	31283.9	34845.9	38407.7	42360.6	46313.6	48012.2	46313.6
22819.1	70°	25593.4	28367.9	28479.0	28590.5	31775.9	34961.0	38362.8	41764.3	42708.4	41764.3
19403.6	72.5°	22587.2	25771.0	25851.0	25930.8	28422.9	30915.1	33462.8	36010.3	36105.9	36010.3
15082.9	75°	18377.9	21672.9	21968.7	22264.6	24203.5	26142.4	27935.9	29729.4	29248.9	29729.4
10776.5	77.5°	13852.2	16928.3	17351.7	17775.0	19249.0	20723.0	21995.0	23267.2	22441.2	23267.2
7053.1	80°	9640.9	12228.4	12754.6	13280.8	14394.1	15506.8	16174.8	16842.6	15514.0	16842.6
4099.9	82.5°	5869.0	7638.3	8226.1	8814.1	9580.4	10346.6	10625.3	10903.7	9859.6	10903.7
1803.9	85°	2742.8	3681.8	4181.8	4681.7	5311.3	5940.7	6098.9	6257.0	5420.7	6257.0
558.4	87.5°	874.0	1189.6	1468.5	1747.5	2062.3	2377.1	2390.6	2403.9	2018.1	2403.9
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°
6768.7	0°	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7	6768.7
7471.3	2.5°	7459.6	7436.2	7412.9	7373.6	7334.4	7306.6	7279.1
8346.9	5°	8315.5	8263.5	8211.6	8115.7	8020.1	7923.5	7827.1
9189.2	7.5°	9143.2	9058.3	8973.4	8832.3	8691.3	8534.7	8377.8
9746.3	10°	9701.7	9601.9	9501.7	9336.2	9170.8	8985.3	8799.9
9928.7	12.5°	9904.3	9831.5	9758.8	9609.7	9460.1	9259.3	9058.3
9729.2	15°	9755.2	9752.6	9750.0	9656.0	9562.2	9388.9	9215.4
9234.7	17.5°	9331.0	9436.2	9541.4	9539.8	9538.0	9420.9	9303.7
8602.7	20°	8771.8	9004.0	9236.2	9359.6	9483.0	9441.9	9401.1
8001.4	22.5°	8212.9	8554.4	8896.0	9151.5	9407.1	9460.6	9514.1
7493.9	25°	7716.2	8131.0	8545.8	8933.9	9321.9	9490.8	9659.6
7087.2	27.5°	7305.9	7765.6	8225.3	8739.1	9253.1	9555.2	9857.0
6797.0	30°	6999.9	7478.8	7957.8	8590.5	9223.2	9673.1	10123.2
6713.9	32.5°	6873.1	7323.3	7773.4	8489.2	9205.0	9821.1	10437.5
7157.0	35°	7194.2	7506.6	7819.4	8565.1	9311.0	10065.0	10819.3
8461.2	37.5°	8291.3	8311.6	8331.8	9009.7	9687.6	10574.9	11462.2
10620.1	40°	10207.1	9851.3	9495.4	9999.6	10503.7	11468.6	12433.6
13529.7	42.5°	12778.5	12002.4	11226.3	11516.7	11807.1	12764.5	13721.9
17057.4	45°	15823.1	14579.5	13336.2	13464.5	13592.5	14452.8	15312.7
20970.8	47.5°	19163.9	17370.6	15576.9	15602.9	15628.8	16465.7	17302.3
24860.6	50°	22475.5	20163.8	17852.2	17847.8	17843.4	18876.6	19910.1
28621.4	52.5°	25670.2	22909.0	20147.7	20274.5	20401.0	21652.1	22903.5
32295.6	55°	28777.5	25704.5	22631.3	23124.6	23617.8	24854.2	26090.5
35855.0	57.5°	31870.1	28767.1	25664.0	26653.1	27642.4	28315.9	28989.2
40515.2	60°	36248.8	33312.2	30375.6	31604.2	32832.7	31786.8	30741.1
44728.6	62.5°	40669.5	37979.1	35289.1	35427.8	35566.2	32708.8	29851.5
45269.2	65°	41333.1	37914.2	34495.6	33965.2	33434.5	30752.8	28071.0
42360.6	67.5°	38407.7	34845.9	31283.9	31035.4	30786.5	28235.9	25685.3
38362.8	70°	34961.0	31775.9	28590.5	28479.0	28367.9	25593.4	22819.1
33462.8	72.5°	30915.1	28422.9	25930.8	25851.0	25771.0	22587.2	19403.6
27935.9	75°	26142.4	24203.5	22264.6	21968.7	21672.9	18377.9	15082.9
21995.0	77.5°	20723.0	19249.0	17775.0	17351.7	16928.3	13852.2	10776.5
16174.8	80°	15506.8	14394.1	13280.8	12754.6	12228.4	9640.9	7053.1
10625.3	82.5°	10346.6	9580.4	8814.1	8226.1	7638.3	5869.0	4099.9
6098.9	85°	5940.7	5311.3	4681.7	4181.8	3681.8	2742.8	1803.9
2390.6	87.5°	2377.1	2062.3	1747.5	1468.5	1189.6	874.0	558.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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