

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: P954292

Luminaire Tested: **GALN-SB7C-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954292
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47685 lumens
Efficiency: N/A
Efficacy: 136.0 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

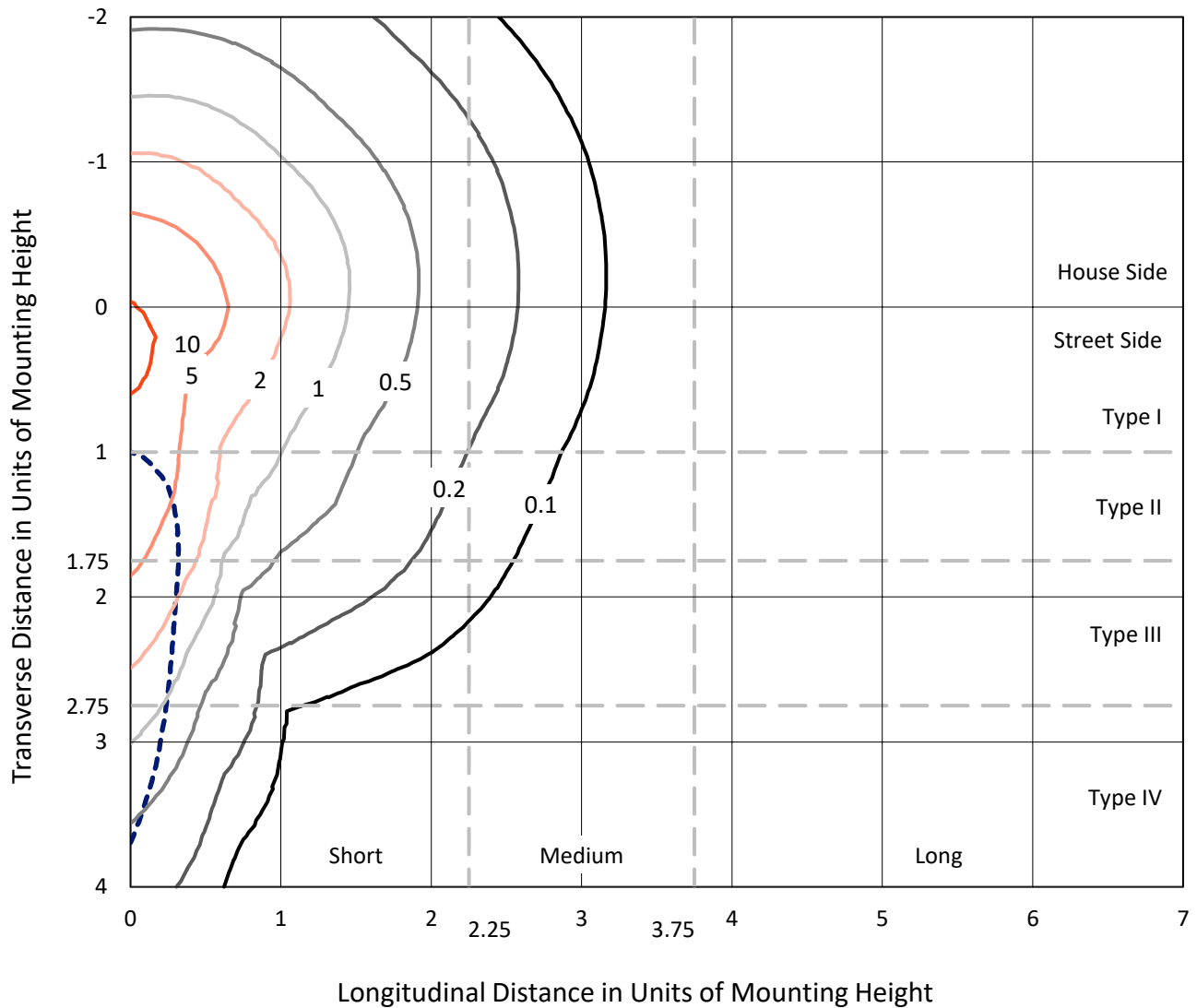
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

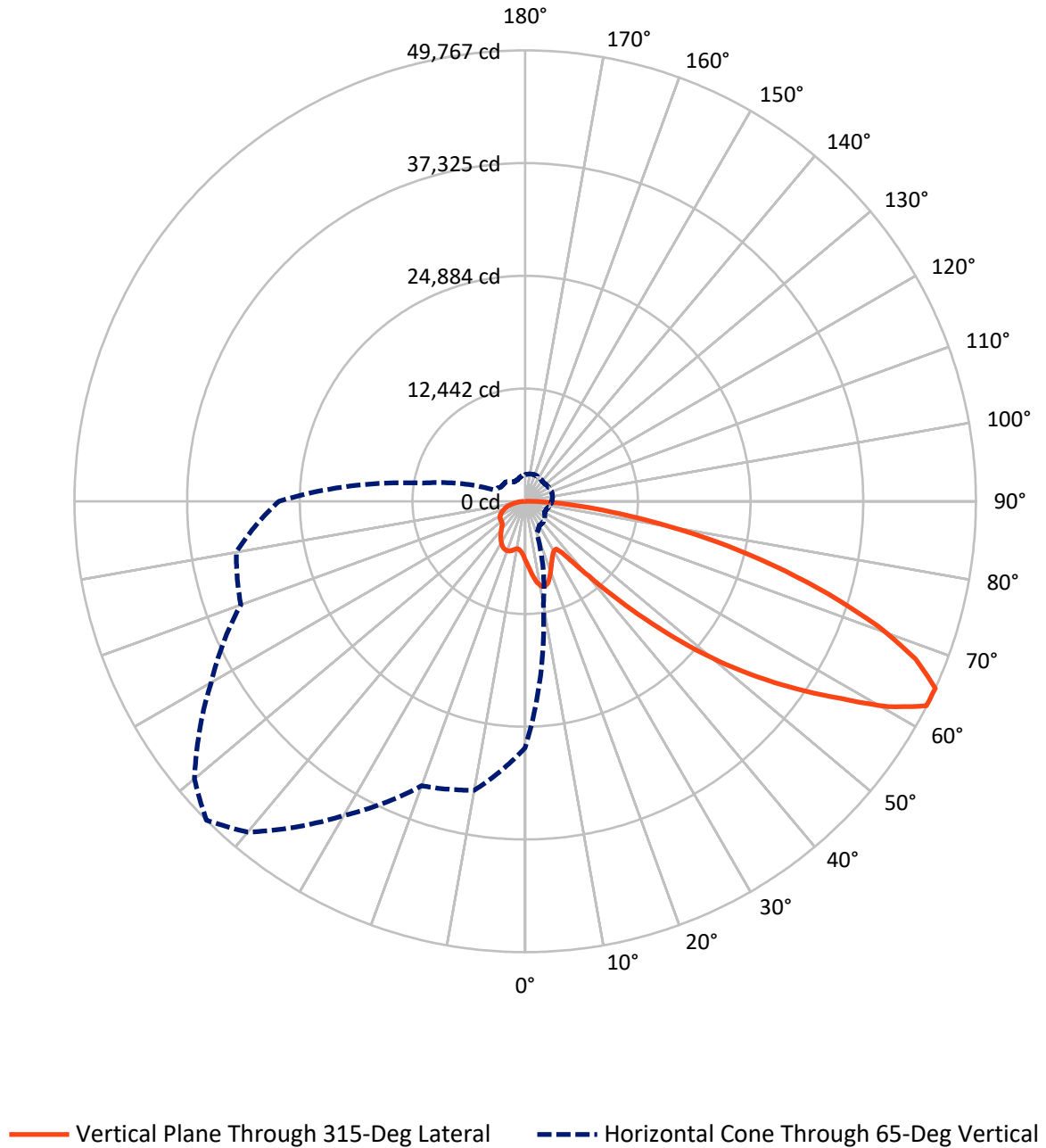
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	12119.1	0.0	12119.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	35565.9	0.0	35565.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	47685.0	0.0	47685.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.5	1.4
10°-20°	2041.9	4.3
20°-30°	3154.1	6.6
30°-40°	3997.0	8.4
40°-50°	6028.5	12.6
50°-60°	9739.9	20.4
60°-70°	12142.3	25.5
70°-80°	7962.3	16.7
80°-90°	1968.5	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°	47685.0	100.0
0°-180°	47685.0	100.0



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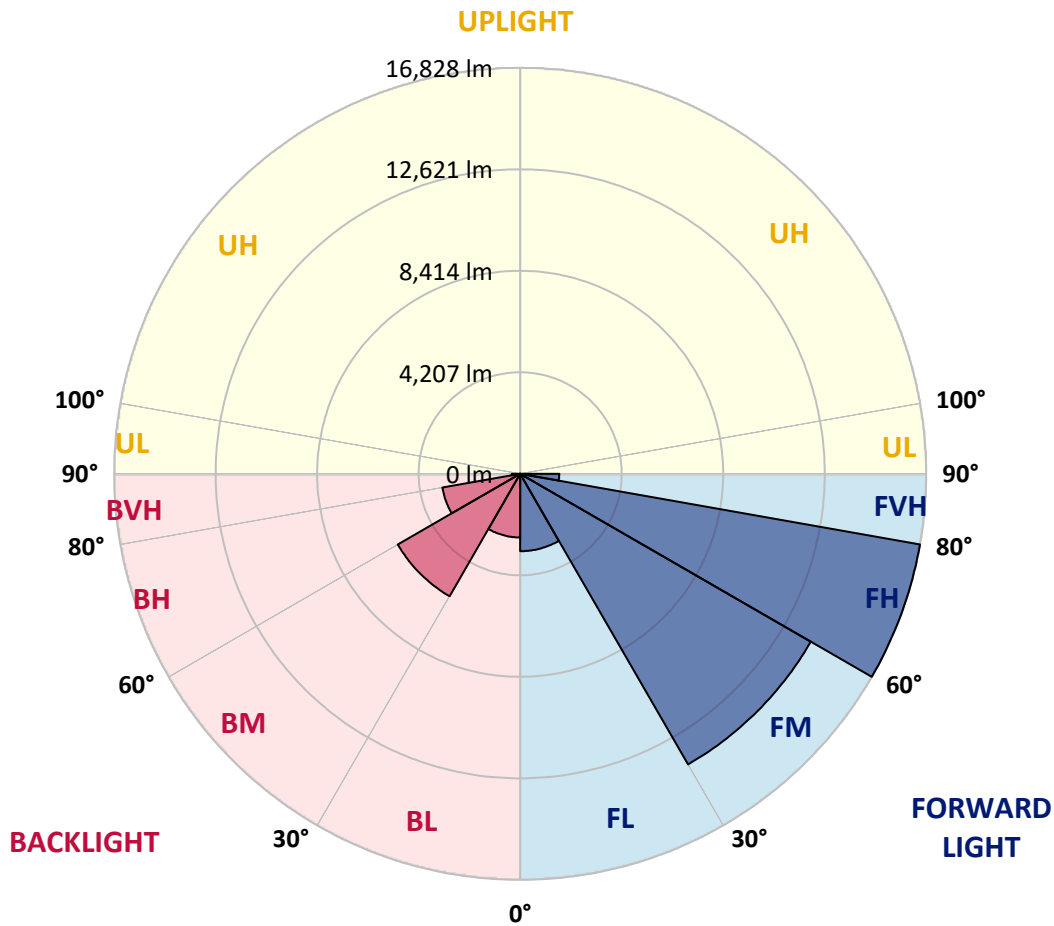
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3207.4	6.7			
FM (30°-60°)	13908.7	29.2			
FH (60°-80°)	16828.2	35.3			G5
FVH (80°-90°)	1621.6	3.4			G5
BL (0°-30°)	2639.1	5.5	B4/5000		
BM (30°-60°)	5856.7	12.3	B4/8500		
BH (60°-80°)	3276.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	346.9	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°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
2.5°	7051.5	6997.4	6943.3	6885.7	6828.3	6770.5	6712.6	6657.2	6601.9	6548.3
5°	7582.4	7462.9	7343.4	7224.1	7105.1	6985.1	6865.3	6753.4	6641.4	6535.7
7.5°	8115.9	7918.6	7721.6	7539.4	7357.2	7179.8	7002.5	6846.2	6690.0	6545.8
10°	8524.7	8275.4	8026.0	7785.2	7544.7	7329.3	7113.7	6929.0	6743.8	6565.9
12.5°	8775.1	8501.1	8227.3	7954.6	7681.8	7427.7	7173.6	6964.5	6755.4	6568.4
15°	8927.3	8641.7	8356.1	8060.2	7764.3	7471.7	7179.1	6937.0	6695.0	6487.9
17.5°	9012.9	8723.3	8433.6	8110.8	7788.0	7448.3	7108.6	6817.5	6526.4	6282.8
20°	9107.2	8806.3	8505.1	8150.3	7795.5	7383.9	6972.3	6611.4	6250.6	5967.1
22.5°	9216.7	8909.2	8601.5	8203.7	7805.6	7304.9	6804.2	6369.6	5935.1	5612.3
25°	9357.6	9056.1	8755.0	8300.3	7845.4	7226.9	6608.7	6099.7	5590.9	5260.0
27.5°	9548.8	9261.5	8973.9	8451.3	7928.4	7174.8	6421.2	5852.8	5284.4	4983.2
30°	9806.7	9528.9	9251.4	8646.8	8042.1	7150.4	6258.2	5646.5	5034.8	4782.0
32.5°	10111.2	9836.2	9561.4	8850.8	8140.3	7120.2	6099.7	5468.6	4837.3	4633.5
35°	10481.0	10217.9	9954.4	9083.3	8212.2	7063.3	5915.0	5293.7	4672.5	4502.7
37.5°	11103.8	10768.1	10432.5	9343.7	8255.0	6966.0	5676.9	5087.9	4498.9	4350.4
40°	12044.8	11555.7	11066.5	9674.4	8281.9	6831.9	5382.1	4842.3	4302.6	4168.0
42.5°	13292.8	12586.8	11880.8	10106.9	8333.0	6693.5	5054.5	4571.3	4088.2	3964.2
45°	14834.0	13881.6	12929.3	10676.0	8422.8	6564.9	4707.2	4283.5	3859.8	3734.0
47.5°	16761.4	15421.0	14080.4	11282.4	8484.5	6458.7	4433.0	4055.8	3678.6	3516.3
50°	19287.6	17266.9	15245.9	11845.0	8444.2	6343.0	4241.7	3904.6	3567.4	3354.0
52.5°	22187.4	19205.8	16224.2	12210.4	8196.4	6147.5	4098.8	3804.9	3511.3	3266.0
55°	25274.8	20924.8	16575.2	12129.9	7684.3	5823.4	3962.4	3732.7	3503.0	3274.8
57.5°	28082.8	22143.2	16203.5	11563.2	6923.2	5366.5	3809.5	3647.2	3484.9	3283.6
60°	29779.9	22447.6	15115.0	10508.7	5902.4	4773.1	3643.9	3516.3	3388.8	3255.9
62.5°	28918.2	21165.6	13413.1	9082.8	4752.5	4063.1	3373.7	3288.9	3204.3	3188.0
65°	27193.3	19351.7	11510.1	7628.0	3746.1	3424.2	3102.4	3062.4	3022.4	3024.4
67.5°	24882.3	17193.1	9504.0	6202.8	2901.6	2810.3	2718.7	2741.1	2763.2	2757.7
70°	22105.7	14837.8	7569.9	4883.9	2197.9	2224.0	2249.9	2353.6	2457.0	2457.0
72.5°	18796.9	12284.4	5772.1	3733.7	1695.4	1774.1	1853.1	2000.1	2146.8	2171.4
75°	14611.3	9357.3	4103.3	2709.9	1316.5	1387.9	1459.4	1623.9	1788.5	1902.2
77.5°	10439.5	6549.3	2659.1	1836.3	1013.5	1062.1	1110.9	1270.7	1430.4	1617.9
80°	6832.6	4219.6	1606.6	1183.1	759.9	780.0	800.1	935.5	1070.6	1294.6
82.5°	3971.7	2442.2	912.9	727.7	543.0	546.5	550.5	650.2	749.8	941.0
85°	1747.5	1098.6	449.9	389.0	328.4	326.6	324.6	397.6	470.5	612.7
87.5°	541.0	359.8	178.6	161.3	143.9	142.2	140.4	170.1	200.0	259.2
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°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
6488.7	2.5°	6440.3	6392.3	6348.8	6305.5	6267.5	6229.5	6191.2	6153.3	6123.8	6094.1
6431.3	5°	6340.2	6248.9	6172.4	6096.1	6028.7	5961.3	5900.1	5838.7	5791.7	5744.4
6410.7	7.5°	6289.4	6168.4	6067.7	5967.1	5882.3	5797.2	5722.2	5647.5	5591.4	5535.5
6420.7	10°	6292.9	6165.1	6064.4	5963.8	5872.5	5780.9	5696.6	5612.3	5545.4	5478.2
6433.3	12.5°	6328.6	6224.5	6157.5	6091.1	6019.1	5947.7	5860.4	5773.3	5687.8	5602.2
6379.7	15°	6329.6	6279.8	6288.9	6297.9	6279.3	6260.7	6185.0	6109.2	5987.4	5865.7
6216.2	17.5°	6234.5	6252.6	6362.3	6472.1	6530.4	6588.6	6527.4	6466.5	6305.2	6143.9
5949.4	20°	6035.0	6120.5	6311.0	6501.7	6623.8	6745.8	6717.6	6689.2	6504.8	6320.6
5646.8	22.5°	5773.3	5899.9	6117.3	6335.2	6493.9	6652.7	6669.8	6686.7	6510.5	6334.4
5353.1	25°	5499.1	5645.0	5840.5	6036.3	6192.5	6348.8	6407.1	6465.3	6320.8	6176.7
5096.5	27.5°	5237.4	5378.3	5539.1	5699.6	5824.9	5950.2	6015.1	6080.3	5977.4	5874.7
4870.8	30°	4982.5	5094.7	5228.1	5361.4	5465.3	5569.5	5622.3	5675.2	5596.9	5518.4
4673.0	32.5°	4739.2	4805.4	4911.8	5018.5	5118.1	5218.0	5276.6	5335.5	5263.5	5191.3
4486.3	35°	4504.4	4522.8	4604.1	4685.1	4783.7	4882.6	4953.0	5023.5	4972.2	4921.1
4290.5	37.5°	4270.4	4250.3	4308.7	4366.8	4465.2	4563.8	4650.9	4737.9	4714.3	4690.6
4076.2	40°	4030.6	3985.1	4027.1	4069.1	4164.2	4259.3	4359.5	4459.9	4465.7	4471.2
3848.5	42.5°	3788.1	3727.7	3761.9	3796.4	3886.5	3976.8	4085.0	4193.2	4222.1	4251.0
3622.0	45°	3563.1	3504.5	3533.2	3562.4	3647.9	3733.5	3845.7	3957.9	3999.4	4040.9
3420.0	47.5°	3370.6	3321.3	3348.5	3375.4	3459.2	3542.7	3653.5	3764.2	3812.0	3859.8
3242.1	50°	3198.3	3154.8	3197.0	3239.5	3318.6	3397.3	3496.4	3595.6	3657.0	3718.4
3109.5	52.5°	3066.2	3023.2	3086.8	3150.2	3222.7	3294.9	3387.2	3479.8	3552.6	3625.3
3039.0	55°	2970.6	2902.4	2992.7	3082.8	3160.8	3238.8	3319.8	3400.6	3477.6	3554.8
2996.7	57.5°	2897.1	2797.5	2894.6	2991.7	3083.3	3174.9	3254.9	3335.2	3412.9	3490.4
2957.0	60°	2827.9	2698.6	2783.9	2868.9	2974.1	3079.3	3160.5	3242.1	3320.1	3398.1
2910.7	62.5°	2749.2	2587.9	2642.0	2696.1	2818.6	2941.4	3028.2	3115.0	3186.5	3257.9
2813.1	65°	2641.5	2469.6	2490.5	2511.1	2642.5	2774.1	2857.1	2940.1	3003.0	3065.9
2638.9	67.5°	2496.0	2353.1	2346.6	2340.0	2461.3	2582.8	2661.6	2740.1	2794.4	2848.8
2418.0	70°	2316.4	2214.7	2192.1	2169.4	2276.1	2382.8	2450.7	2518.7	2567.7	2616.8
2171.9	72.5°	2102.2	2032.5	1999.3	1966.4	2050.4	2134.2	2195.6	2257.0	2305.0	2353.1
1892.7	75°	1839.1	1785.2	1753.5	1721.6	1784.0	1846.4	1902.0	1957.6	2001.3	2045.1
1612.9	77.5°	1569.8	1526.8	1494.6	1462.4	1513.2	1563.8	1611.6	1659.4	1705.4	1751.2
1293.8	80°	1257.8	1221.6	1194.7	1167.5	1209.8	1251.8	1292.0	1332.3	1367.3	1402.0
951.6	82.5°	934.0	916.4	897.3	878.1	874.6	871.1	857.0	842.9	917.4	991.9
626.5	85°	607.7	588.8	567.4	546.0	527.9	509.5	470.5	431.5	501.2	571.2
276.8	87.5°	269.2	261.7	257.7	253.6	252.9	252.1	222.4	192.5	221.7	251.1
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
6070.2	2.5°	6046.3	6027.7	6009.1	5992.0	5974.6	5953.2	5974.6	5992.0	6009.1	6027.7
5711.4	5°	5678.5	5655.1	5631.7	5613.8	5595.9	5578.3	5595.9	5613.8	5631.7	5655.1
5496.3	7.5°	5457.0	5430.1	5403.4	5387.3	5371.5	5359.4	5371.5	5387.3	5403.4	5430.1
5434.4	10°	5390.1	5364.7	5339.3	5325.7	5312.1	5306.6	5312.1	5325.7	5339.3	5364.7
5545.6	12.5°	5489.0	5460.6	5432.4	5420.8	5409.2	5407.2	5409.2	5420.8	5432.4	5460.6
5779.6	15°	5693.6	5654.1	5614.8	5599.7	5584.6	5583.3	5584.6	5599.7	5614.8	5654.1
6017.1	17.5°	5890.3	5831.9	5773.3	5754.2	5734.8	5731.8	5734.8	5754.2	5773.3	5831.9
6165.1	20°	6009.8	5935.1	5860.1	5836.2	5812.3	5804.8	5812.3	5836.2	5860.1	5935.1
6174.4	22.5°	6014.1	5935.4	5856.3	5829.9	5803.5	5792.2	5803.5	5829.9	5856.3	5935.4
6034.2	25°	5892.3	5823.9	5755.7	5730.8	5706.1	5691.5	5706.1	5730.8	5755.7	5823.9
5764.3	27.5°	5653.8	5608.0	5562.0	5550.6	5539.3	5535.5	5539.3	5550.6	5562.0	5608.0
5439.4	30°	5359.9	5336.5	5312.9	5312.9	5312.9	5316.6	5312.9	5312.9	5312.9	5336.5
5128.2	32.5°	5065.0	5049.7	5034.3	5036.3	5038.6	5042.4	5038.6	5036.3	5034.3	5049.7
4862.7	35°	4804.6	4781.2	4758.0	4753.0	4748.0	4745.5	4748.0	4753.0	4758.0	4781.2
4637.0	37.5°	4583.2	4540.7	4498.4	4476.0	4453.6	4441.0	4453.6	4476.0	4498.4	4540.7
4425.7	40°	4380.1	4318.2	4256.8	4215.1	4173.8	4149.1	4173.8	4215.1	4256.8	4318.2
4212.5	42.5°	4174.3	4097.6	4020.8	3960.2	3899.5	3859.8	3899.5	3960.2	4020.8	4097.6
4006.2	45°	3971.7	3883.9	3796.4	3725.2	3654.0	3608.2	3654.0	3725.2	3796.4	3883.9
3835.6	47.5°	3811.5	3733.5	3655.5	3589.5	3523.9	3479.8	3523.9	3589.5	3655.5	3733.5
3716.9	50°	3715.9	3653.5	3591.1	3530.2	3469.3	3427.0	3469.3	3530.2	3591.1	3653.5
3638.4	52.5°	3651.4	3600.6	3549.8	3495.2	3440.8	3401.8	3440.8	3495.2	3549.8	3600.6
3572.9	55°	3591.1	3546.8	3502.5	3454.7	3406.9	3371.6	3406.9	3454.7	3502.5	3546.8
3508.8	57.5°	3527.1	3482.4	3437.6	3390.3	3342.7	3306.2	3342.7	3390.3	3437.6	3482.4
3418.2	60°	3438.3	3394.5	3351.0	3302.2	3253.4	3215.6	3253.4	3302.2	3351.0	3394.5
3277.3	62.5°	3296.7	3257.2	3217.7	3166.3	3115.0	3069.7	3115.0	3166.3	3217.7	3257.2
3085.8	65°	3105.4	3067.4	3029.4	2979.6	2930.1	2891.1	2930.1	2979.6	3029.4	3067.4
2868.2	67.5°	2887.3	2852.3	2817.6	2771.3	2725.0	2689.8	2725.0	2771.3	2817.6	2852.3
2635.4	70°	2654.0	2625.6	2597.2	2552.9	2508.6	2468.3	2508.6	2552.9	2597.2	2625.6
2375.2	72.5°	2397.4	2373.7	2350.1	2307.8	2265.8	2226.8	2265.8	2307.8	2350.1	2373.7
2068.3	75°	2091.4	2079.9	2068.3	2032.8	1997.3	1960.1	1997.3	2032.8	2068.3	2079.9
1772.9	77.5°	1794.5	1778.4	1761.8	1726.1	1690.4	1660.7	1690.4	1726.1	1761.8	1778.4
1430.7	80°	1459.4	1452.3	1445.5	1397.5	1349.2	1293.3	1349.2	1397.5	1445.5	1452.3
1040.7	82.5°	1089.5	1086.5	1083.2	1042.7	1001.9	966.2	1001.9	1042.7	1083.2	1086.5
631.6	85°	691.9	686.9	681.9	650.2	618.5	586.3	618.5	650.2	681.9	686.9
275.5	87.5°	299.9	293.9	287.3	271.2	254.6	239.0	254.6	271.2	287.3	293.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
6046.3	2.5°	6070.2	6094.1	6123.8	6153.3	6191.2	6229.5	6267.5	6305.5	6348.8	6392.3
5678.5	5°	5711.4	5744.4	5791.7	5838.7	5900.1	5961.3	6028.7	6096.1	6172.4	6248.9
5457.0	7.5°	5496.3	5535.5	5591.4	5647.5	5722.2	5797.2	5882.3	5967.1	6067.7	6168.4
5390.1	10°	5434.4	5478.2	5545.4	5612.3	5696.6	5780.9	5872.5	5963.8	6064.4	6165.1
5489.0	12.5°	5545.6	5602.2	5687.8	5773.3	5860.4	5947.7	6019.1	6091.1	6157.5	6224.5
5693.6	15°	5779.6	5865.7	5987.4	6109.2	6185.0	6260.7	6279.3	6297.9	6288.9	6279.8
5890.3	17.5°	6017.1	6143.9	6305.2	6466.5	6527.4	6588.6	6530.4	6472.1	6362.3	6252.6
6009.8	20°	6165.1	6320.6	6504.8	6689.2	6717.6	6745.8	6623.8	6501.7	6311.0	6120.5
6014.1	22.5°	6174.4	6334.4	6510.5	6686.7	6669.8	6652.7	6493.9	6335.2	6117.3	5899.9
5892.3	25°	6034.2	6176.7	6320.8	6465.3	6407.1	6348.8	6192.5	6036.3	5840.5	5645.0
5653.8	27.5°	5764.3	5874.7	5977.4	6080.3	6015.1	5950.2	5824.9	5699.6	5539.1	5378.3
5359.9	30°	5439.4	5518.4	5596.9	5675.2	5622.3	5569.5	5465.3	5361.4	5228.1	5094.7
5065.0	32.5°	5128.2	5191.3	5263.5	5335.5	5276.6	5218.0	5118.1	5018.5	4911.8	4805.4
4804.6	35°	4862.7	4921.1	4972.2	5023.5	4953.0	4882.6	4783.7	4685.1	4604.1	4522.8
4583.2	37.5°	4637.0	4690.6	4714.3	4737.9	4650.9	4563.8	4465.2	4366.8	4308.7	4250.3
4380.1	40°	4425.7	4471.2	4465.7	4459.9	4359.5	4259.3	4164.2	4069.1	4027.1	3985.1
4174.3	42.5°	4212.5	4251.0	4222.1	4193.2	4085.0	3976.8	3886.5	3796.4	3761.9	3727.7
3971.7	45°	4006.2	4040.9	3999.4	3957.9	3845.7	3733.5	3647.9	3562.4	3533.2	3504.5
3811.5	47.5°	3835.6	3859.8	3812.0	3764.2	3653.5	3542.7	3459.2	3375.4	3348.5	3321.3
3715.9	50°	3716.9	3718.4	3657.0	3595.6	3496.4	3397.3	3318.6	3239.5	3197.0	3154.8
3651.4	52.5°	3638.4	3625.3	3552.6	3479.8	3387.2	3294.9	3222.7	3150.2	3086.8	3023.2
3591.1	55°	3572.9	3554.8	3477.6	3400.6	3319.8	3238.8	3160.8	3082.8	2992.7	2902.4
3527.1	57.5°	3508.8	3490.4	3412.9	3335.2	3254.9	3174.9	3083.3	2991.7	2894.6	2797.5
3438.3	60°	3418.2	3398.1	3320.1	3242.1	3160.5	3079.3	2974.1	2868.9	2783.9	2698.6
3296.7	62.5°	3277.3	3257.9	3186.5	3115.0	3028.2	2941.4	2818.6	2696.1	2642.0	2587.9
3105.4	65°	3085.8	3065.9	3003.0	2940.1	2857.1	2774.1	2642.5	2511.1	2490.5	2469.6
2887.3	67.5°	2868.2	2848.8	2794.4	2740.1	2661.6	2582.8	2461.3	2340.0	2346.6	2353.1
2654.0	70°	2635.4	2616.8	2567.7	2518.7	2450.7	2382.8	2276.1	2169.4	2192.1	2214.7
2397.4	72.5°	2375.2	2353.1	2305.0	2257.0	2195.6	2134.2	2050.4	1966.4	1999.3	2032.5
2091.4	75°	2068.3	2045.1	2001.3	1957.6	1902.0	1846.4	1784.0	1721.6	1753.5	1785.2
1794.5	77.5°	1772.9	1751.2	1705.4	1659.4	1611.6	1563.8	1513.2	1462.4	1494.6	1526.8
1459.4	80°	1430.7	1402.0	1367.3	1332.3	1292.0	1251.8	1209.8	1167.5	1194.7	1221.6
1089.5	82.5°	1040.7	991.9	917.4	842.9	857.0	871.1	874.6	878.1	897.3	916.4
691.9	85°	631.6	571.2	501.2	431.5	470.5	509.5	527.9	546.0	567.4	588.8
299.9	87.5°	275.5	251.1	221.7	192.5	222.4	252.1	252.9	253.6	257.7	261.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
6440.3	2.5°	6488.7	6548.3	6601.9	6657.2	6712.6	6770.5	6828.3	6885.7	6943.3	6997.4
6340.2	5°	6431.3	6535.7	6641.4	6753.4	6865.3	6985.1	7105.1	7224.1	7343.4	7462.9
6289.4	7.5°	6410.7	6545.8	6690.0	6846.2	7002.5	7179.8	7357.2	7539.4	7721.6	7918.6
6292.9	10°	6420.7	6565.9	6743.8	6929.0	7113.7	7329.3	7544.7	7785.2	8026.0	8275.4
6328.6	12.5°	6433.3	6568.4	6755.4	6964.5	7173.6	7427.7	7681.8	7954.6	8227.3	8501.1
6329.6	15°	6379.7	6487.9	6695.0	6937.0	7179.1	7471.7	7764.3	8060.2	8356.1	8641.7
6234.5	17.5°	6216.2	6282.8	6526.4	6817.5	7108.6	7448.3	7788.0	8110.8	8433.6	8723.3
6035.0	20°	5949.4	5967.1	6250.6	6611.4	6972.3	7383.9	7795.5	8150.3	8505.1	8806.3
5773.3	22.5°	5646.8	5612.3	5935.1	6369.6	6804.2	7304.9	7805.6	8203.7	8601.5	8909.2
5499.1	25°	5353.1	5260.0	5590.9	6099.7	6608.7	7226.9	7845.4	8300.3	8755.0	9056.1
5237.4	27.5°	5096.5	4983.2	5284.4	5852.8	6421.2	7174.8	7928.4	8451.3	8973.9	9261.5
4982.5	30°	4870.8	4782.0	5034.8	5646.5	6258.2	7150.4	8042.1	8646.8	9251.4	9528.9
4739.2	32.5°	4673.0	4633.5	4837.3	5468.6	6099.7	7120.2	8140.3	8850.8	9561.4	9836.2
4504.4	35°	4486.3	4502.7	4672.5	5293.7	5915.0	7063.3	8212.2	9083.3	9954.4	10217.9
4270.4	37.5°	4290.5	4350.4	4498.9	5087.9	5676.9	6966.0	8255.0	9343.7	10432.5	10768.1
4030.6	40°	4076.2	4168.0	4302.6	4842.3	5382.1	6831.9	8281.9	9674.4	11066.5	11555.7
3788.1	42.5°	3848.5	3964.2	4088.2	4571.3	5054.5	6693.5	8333.0	10106.9	11880.8	12586.8
3563.1	45°	3622.0	3734.0	3859.8	4283.5	4707.2	6564.9	8422.8	10676.0	12929.3	13881.6
3370.6	47.5°	3420.0	3516.3	3678.6	4055.8	4433.0	6458.7	8484.5	11282.4	14080.4	15421.0
3198.3	50°	3242.1	3354.0	3567.4	3904.6	4241.7	6343.0	8444.2	11845.0	15245.9	17266.9
3066.2	52.5°	3109.5	3266.0	3511.3	3804.9	4098.8	6147.5	8196.4	12210.4	16224.2	19205.8
2970.6	55°	3039.0	3274.8	3503.0	3732.7	3962.4	5823.4	7684.3	12129.9	16575.2	20924.8
2897.1	57.5°	2996.7	3283.6	3484.9	3647.2	3809.5	5366.5	6923.2	11563.2	16203.5	22143.2
2827.9	60°	2957.0	3255.9	3388.8	3516.3	3643.9	4773.1	5902.4	10508.7	15115.0	22447.6
2749.2	62.5°	2910.7	3188.0	3204.3	3288.9	3373.7	4063.1	4752.5	9082.8	13413.1	21165.6
2641.5	65°	2813.1	3024.4	3022.4	3062.4	3102.4	3424.2	3746.1	7628.0	11510.1	19351.7
2496.0	67.5°	2638.9	2757.7	2763.2	2741.1	2718.7	2810.3	2901.6	6202.8	9504.0	17193.1
2316.4	70°	2418.0	2457.0	2457.0	2353.6	2249.9	2224.0	2197.9	4883.9	7569.9	14837.8
2102.2	72.5°	2171.9	2171.4	2146.8	2000.1	1853.1	1774.1	1695.4	3733.7	5772.1	12284.4
1839.1	75°	1892.7	1902.2	1788.5	1623.9	1459.4	1387.9	1316.5	2709.9	4103.3	9357.3
1569.8	77.5°	1612.9	1617.9	1430.4	1270.7	1110.9	1062.1	1013.5	1836.3	2659.1	6549.3
1257.8	80°	1293.8	1294.6	1070.6	935.5	800.1	780.0	759.9	1183.1	1606.6	4219.6
934.0	82.5°	951.6	941.0	749.8	650.2	550.5	546.5	543.0	727.7	912.9	2442.2
607.7	85°	626.5	612.7	470.5	397.6	324.6	326.6	328.4	389.0	449.9	1098.6
269.2	87.5°	276.8	259.2	200.0	170.1	140.4	142.2	143.9	161.3	178.6	359.8
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°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
7051.5	2.5°	7078.2	7105.1	7143.1	7181.1	7203.7	7226.4	7237.7	7249.0	7244.0	7249.0
7582.4	5°	7675.8	7769.4	7862.0	7954.8	8005.1	8055.5	8085.9	8116.6	8139.8	8116.6
8115.9	7.5°	8267.8	8419.6	8556.2	8692.8	8775.1	8857.4	8901.9	8946.2	8967.6	8946.2
8524.7	10°	8704.4	8884.0	9044.3	9204.6	9301.7	9398.3	9441.6	9484.6	9501.0	9484.6
8775.1	12.5°	8969.8	9164.3	9309.3	9453.7	9524.1	9594.6	9618.3	9641.9	9644.4	9641.9
8927.3	15°	9095.4	9263.2	9354.1	9445.1	9447.7	9450.2	9425.0	9399.8	9370.2	9399.8
9012.9	17.5°	9126.3	9239.8	9241.6	9243.1	9141.2	9039.3	8945.9	8852.3	8786.4	8852.3
9107.2	20°	9146.7	9186.5	9067.0	8947.4	8722.5	8497.6	8333.8	8170.0	8069.3	8170.0
9216.7	22.5°	9164.8	9113.0	8865.4	8617.8	8287.0	7956.1	7751.3	7546.5	7435.2	7546.5
9357.6	25°	9194.0	9030.5	8654.6	8278.7	7876.8	7475.0	7259.6	7044.7	6939.6	7044.7
9548.8	27.5°	9256.4	8963.8	8465.9	7968.2	7522.8	7077.4	6865.6	6654.0	6554.6	6654.0
9806.7	30°	9370.7	8934.9	8321.9	7709.0	7245.0	6781.0	6584.5	6388.0	6295.4	6388.0
10111.2	32.5°	9514.1	8917.3	8223.8	7530.3	7094.3	6658.2	6504.0	6349.5	6282.8	6349.5
10481.0	35°	9750.3	9019.9	8297.3	7574.9	7271.9	6969.2	6933.3	6897.3	6891.7	6897.3
11103.8	37.5°	10244.3	9384.8	8728.0	8071.3	8051.7	8032.1	8196.6	8361.2	8446.7	8361.2
12044.8	40°	11110.1	10175.3	9686.9	9198.6	9543.3	9888.0	10288.1	10688.1	10887.4	10688.1
13292.8	42.5°	12365.4	11437.9	11156.6	10875.3	11627.1	12379.0	13106.6	13834.3	14261.6	13834.3
14834.0	45°	14000.9	13167.5	13043.5	12919.2	14123.7	15328.4	16524.1	17720.0	18445.9	17720.0
16761.4	47.5°	15950.9	15140.2	15115.0	15089.9	16827.5	18564.7	20315.2	22065.4	23093.3	22065.4
19287.6	50°	18286.4	17285.5	17289.8	17294.0	19533.4	21772.8	24083.4	26394.0	27790.9	26394.0
22187.4	52.5°	20975.2	19763.1	19640.6	19517.8	22192.7	24867.7	27726.5	30585.1	32259.6	30585.1
25274.8	55°	24077.1	22879.4	22401.6	21923.8	24900.9	27877.7	31285.9	34694.0	36685.5	34694.0
28082.8	57.5°	27430.6	26778.2	25819.8	24861.6	27867.7	30873.7	34734.0	38594.0	41063.6	38594.0
29779.9	60°	30792.9	31806.2	30616.1	29425.9	32270.7	35115.4	39248.5	43381.5	46050.7	43381.5
28918.2	62.5°	31686.2	34454.2	34320.1	34185.7	36791.7	39397.9	43330.2	47262.2	49729.3	47262.2
27193.3	65°	29791.3	32389.2	32903.2	33417.0	36728.8	40040.8	43853.8	47666.5	49767.0	47666.5
24882.3	67.5°	27353.1	29824.0	30065.0	30305.8	33756.5	37206.9	41036.2	44865.5	46511.1	44865.5
22105.7	70°	24793.2	27480.9	27588.6	27696.6	30782.4	33867.9	37163.3	40458.5	41373.1	40458.5
18796.9	72.5°	21881.0	24965.3	25042.8	25120.0	27534.3	29948.5	32416.6	34884.5	34977.1	34884.5
14611.3	75°	17803.3	20995.3	21281.9	21568.5	23446.8	25325.1	27062.5	28799.9	28334.4	28799.9
10439.5	77.5°	13419.2	16399.0	16809.2	17219.3	18647.2	20075.1	21307.3	22539.7	21739.6	22539.7
6832.6	80°	9339.5	11846.1	12355.8	12865.6	13944.0	15021.9	15669.1	16316.0	15029.0	16316.0
3971.7	82.5°	5685.5	7399.5	7968.9	8538.6	9280.8	10023.1	10293.1	10562.8	9551.3	10562.8
1747.5	85°	2657.1	3566.6	4051.0	4535.4	5145.3	5754.9	5908.2	6061.4	5251.2	6061.4
541.0	87.5°	846.7	1152.4	1422.6	1692.9	1997.8	2302.8	2315.9	2328.7	1955.1	2328.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
6557.1	0°	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1	6557.1
7237.7	2.5°	7226.4	7203.7	7181.1	7143.1	7105.1	7078.2	7051.5
8085.9	5°	8055.5	8005.1	7954.8	7862.0	7769.4	7675.8	7582.4
8901.9	7.5°	8857.4	8775.1	8692.8	8556.2	8419.6	8267.8	8115.9
9441.6	10°	9398.3	9301.7	9204.6	9044.3	8884.0	8704.4	8524.7
9618.3	12.5°	9594.6	9524.1	9453.7	9309.3	9164.3	8969.8	8775.1
9425.0	15°	9450.2	9447.7	9445.1	9354.1	9263.2	9095.4	8927.3
8945.9	17.5°	9039.3	9141.2	9243.1	9241.6	9239.8	9126.3	9012.9
8333.8	20°	8497.6	8722.5	8947.4	9067.0	9186.5	9146.7	9107.2
7751.3	22.5°	7956.1	8287.0	8617.8	8865.4	9113.0	9164.8	9216.7
7259.6	25°	7475.0	7876.8	8278.7	8654.6	9030.5	9194.0	9357.6
6865.6	27.5°	7077.4	7522.8	7968.2	8465.9	8963.8	9256.4	9548.8
6584.5	30°	6781.0	7245.0	7709.0	8321.9	8934.9	9370.7	9806.7
6504.0	32.5°	6658.2	7094.3	7530.3	8223.8	8917.3	9514.1	10111.2
6933.3	35°	6969.2	7271.9	7574.9	8297.3	9019.9	9750.3	10481.0
8196.6	37.5°	8032.1	8051.7	8071.3	8728.0	9384.8	10244.3	11103.8
10288.1	40°	9888.0	9543.3	9198.6	9686.9	10175.3	11110.1	12044.8
13106.6	42.5°	12379.0	11627.1	10875.3	11156.6	11437.9	12365.4	13292.8
16524.1	45°	15328.4	14123.7	12919.2	13043.5	13167.5	14000.9	14834.0
20315.2	47.5°	18564.7	16827.5	15089.9	15115.0	15140.2	15950.9	16761.4
24083.4	50°	21772.8	19533.4	17294.0	17289.8	17285.5	18286.4	19287.6
27726.5	52.5°	24867.7	22192.7	19517.8	19640.6	19763.1	20975.2	22187.4
31285.9	55°	27877.7	24900.9	21923.8	22401.6	22879.4	24077.1	25274.8
34734.0	57.5°	30873.7	27867.7	24861.6	25819.8	26778.2	27430.6	28082.8
39248.5	60°	35115.4	32270.7	29425.9	30616.1	31806.2	30792.9	29779.9
43330.2	62.5°	39397.9	36791.7	34185.7	34320.1	34454.2	31686.2	28918.2
43853.8	65°	40040.8	36728.8	33417.0	32903.2	32389.2	29791.3	27193.3
41036.2	67.5°	37206.9	33756.5	30305.8	30065.0	29824.0	27353.1	24882.3
37163.3	70°	33867.9	30782.4	27696.6	27588.6	27480.9	24793.2	22105.7
32416.6	72.5°	29948.5	27534.3	25120.0	25042.8	24965.3	21881.0	18796.9
27062.5	75°	25325.1	23446.8	21568.5	21281.9	20995.3	17803.3	14611.3
21307.3	77.5°	20075.1	18647.2	17219.3	16809.2	16399.0	13419.2	10439.5
15669.1	80°	15021.9	13944.0	12865.6	12355.8	11846.1	9339.5	6832.6
10293.1	82.5°	10023.1	9280.8	8538.6	7968.9	7399.5	5685.5	3971.7
5908.2	85°	5754.9	5145.3	4535.4	4051.0	3566.6	2657.1	1747.5
2315.9	87.5°	2302.8	1997.8	1692.9	1422.6	1152.4	846.7	541.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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