

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: P953473

Luminaire Tested: **GALN-SB7A-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953473
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-SB7A-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31787 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

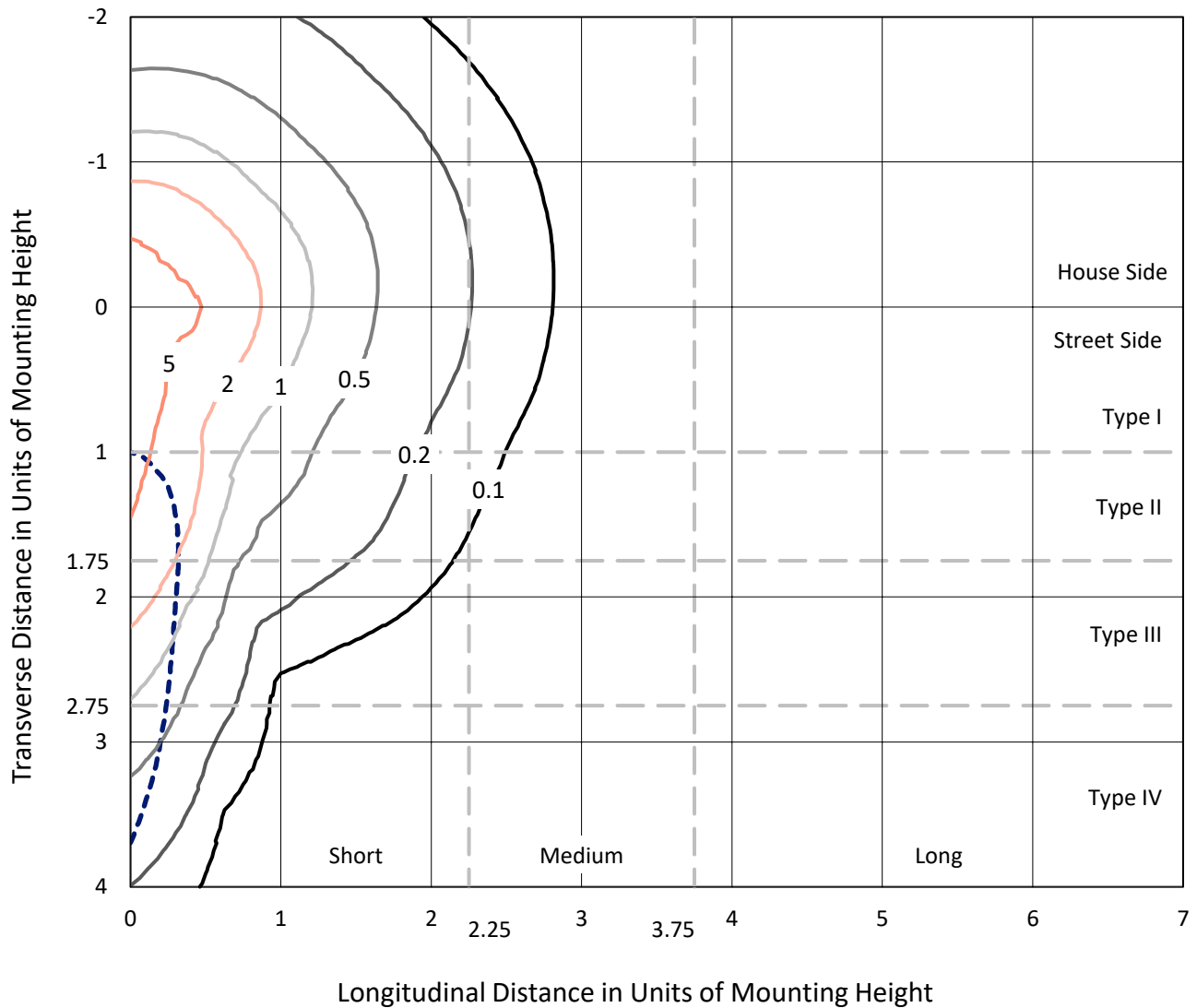
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

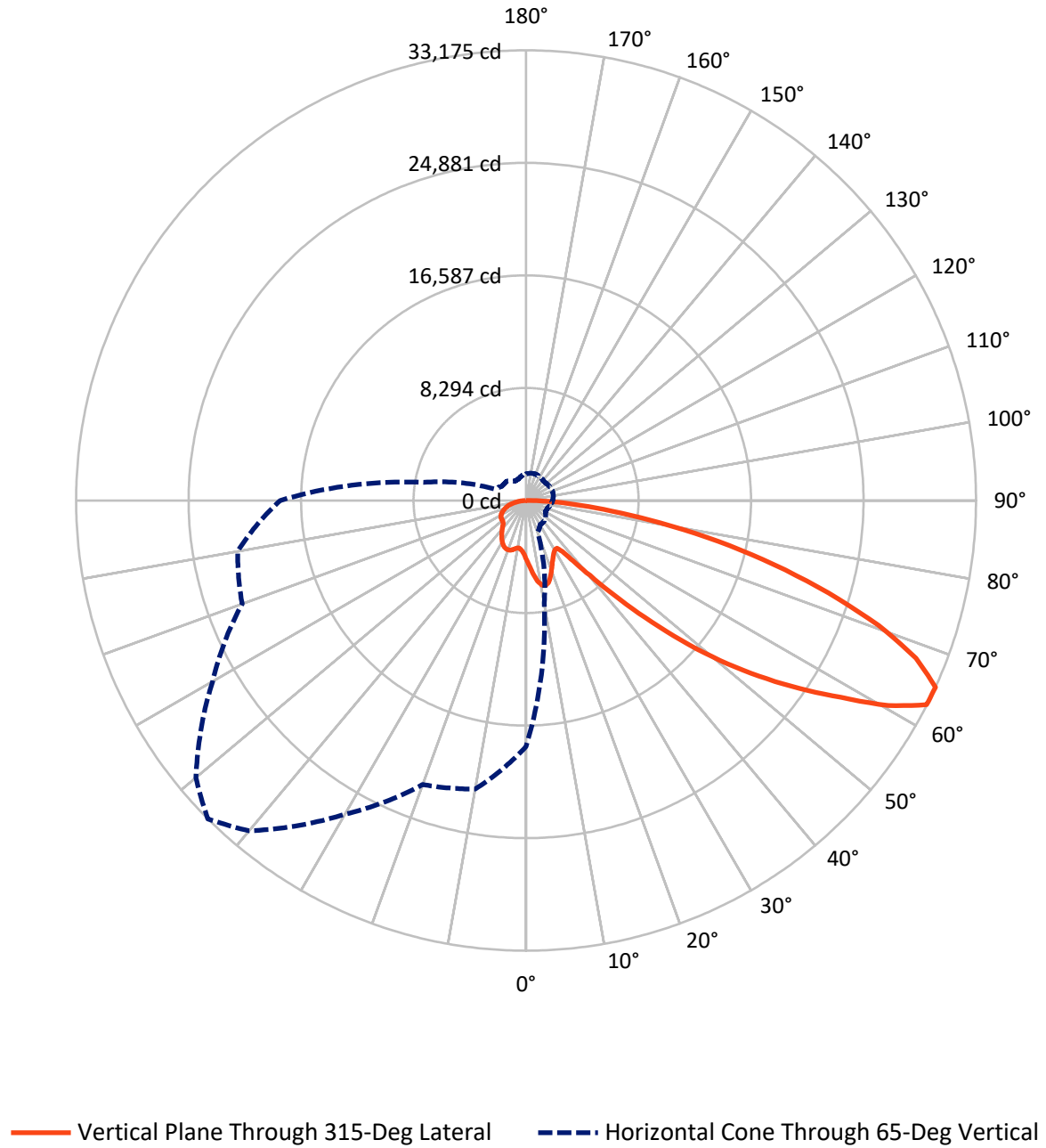
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	8078.7	0.0	8078.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23708.3	0.0	23708.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	31787.0	0.0	31787.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.6	1.4
10°-20°	1361.2	4.3
20°-30°	2102.5	6.6
30°-40°	2664.4	8.4
40°-50°	4018.6	12.6
50°-60°	6492.7	20.4
60°-70°	8094.1	25.5
70°-80°	5307.7	16.7
80°-90°	1312.2	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°	31787.0	100.0
0°-180°	31787.0	100.0



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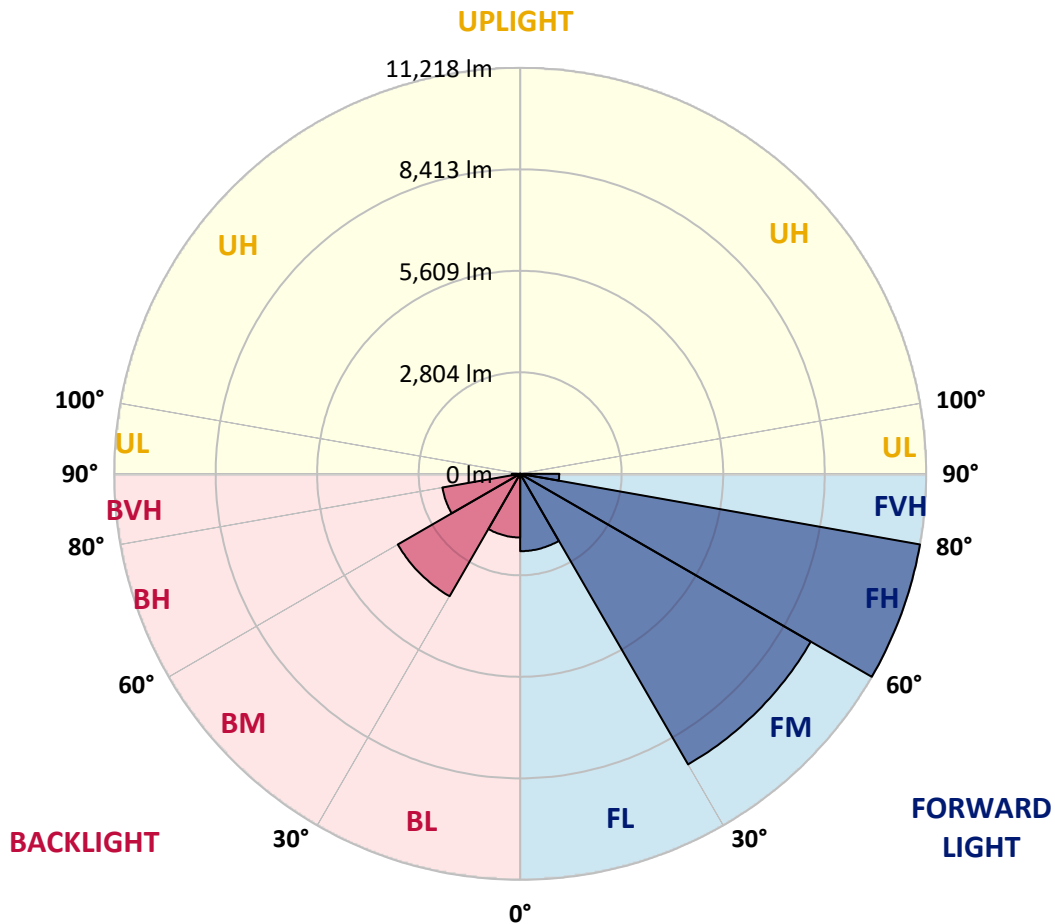
CATALOG NUMBER: GALN-SB7A-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2138.0	6.7			
FM (30°-60°)	9271.6	29.2			
FH (60°-80°)	11217.8	35.3			G4/12000
FVH (80°-90°)	1081.0	3.4			G5
BL (0°-30°)	1759.2	5.5	B3/2500		
BM (30°-60°)	3904.1	12.3	B3/5000		
BH (60°-80°)	2184.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	231.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
2.5°	4700.6	4664.5	4628.4	4590.0	4551.8	4513.2	4474.6	4437.7	4400.8	4365.1
5°	5054.5	4974.8	4895.1	4815.6	4736.3	4656.3	4576.5	4501.8	4427.2	4356.7
7.5°	5410.1	5278.6	5147.2	5025.8	4904.4	4786.1	4667.9	4563.7	4459.5	4363.4
10°	5682.6	5516.4	5350.2	5189.7	5029.3	4885.7	4742.0	4618.9	4495.4	4376.9
12.5°	5849.5	5666.9	5484.4	5302.5	5120.7	4951.3	4781.9	4642.5	4503.2	4378.5
15°	5951.0	5760.6	5570.2	5373.0	5175.7	4980.7	4785.6	4624.3	4462.9	4324.9
17.5°	6008.0	5815.0	5621.9	5406.7	5191.5	4965.1	4738.6	4544.6	4350.5	4188.2
20°	6070.9	5870.3	5669.5	5433.0	5196.5	4922.1	4647.7	4407.2	4166.7	3977.7
22.5°	6143.9	5938.9	5733.8	5468.6	5203.3	4869.5	4535.7	4246.0	3956.4	3741.2
25°	6237.8	6036.9	5836.1	5533.0	5229.8	4817.5	4405.4	4066.1	3726.9	3506.3
27.5°	6365.3	6173.7	5982.0	5633.6	5285.1	4782.8	4280.4	3901.5	3522.6	3321.8
30°	6537.2	6352.0	6167.0	5764.0	5360.9	4766.5	4171.7	3764.0	3356.2	3187.7
32.5°	6740.1	6556.8	6373.7	5900.0	5426.3	4746.4	4066.1	3645.4	3224.6	3088.7
35°	6986.7	6811.3	6635.6	6055.0	5474.3	4708.5	3942.9	3528.8	3114.7	3001.5
37.5°	7401.8	7178.1	6954.3	6228.6	5502.8	4643.5	3784.3	3391.6	2999.0	2900.0
40°	8029.1	7703.1	7377.0	6449.0	5520.8	4554.1	3587.7	3227.9	2868.1	2778.4
42.5°	8861.1	8390.4	7919.8	6737.3	5554.8	4461.9	3369.3	3047.3	2725.2	2642.6
45°	9888.4	9253.5	8618.7	7116.7	5614.7	4376.2	3137.9	2855.4	2572.9	2489.1
47.5°	11173.2	10279.7	9386.0	7520.9	5655.8	4305.4	2955.0	2703.6	2452.2	2344.0
50°	12857.2	11510.2	10163.0	7896.0	5628.9	4228.2	2827.6	2602.8	2378.0	2235.8
52.5°	14790.2	12802.7	10815.1	8139.5	5463.7	4097.9	2732.3	2536.4	2340.6	2177.1
55°	16848.3	13948.6	11049.1	8085.8	5122.4	3881.9	2641.4	2488.2	2335.1	2183.0
57.5°	18720.1	14760.7	10801.3	7708.1	4615.0	3577.3	2539.4	2431.2	2323.0	2188.8
60°	19851.4	14963.7	10075.7	7005.2	3934.6	3181.8	2429.0	2344.0	2259.0	2170.4
62.5°	19277.0	14109.1	8941.2	6054.6	3168.0	2708.5	2248.9	2192.4	2136.0	2125.1
65°	18127.2	12899.9	7672.7	5084.8	2497.1	2282.6	2068.1	2041.4	2014.7	2016.1
67.5°	16586.6	11461.0	6335.4	4134.8	1934.2	1873.4	1812.3	1827.2	1842.0	1838.3
70°	14735.7	9890.9	5046.1	3255.6	1465.1	1482.5	1499.8	1568.9	1637.9	1637.9
72.5°	12530.1	8188.8	3847.7	2488.9	1130.1	1182.6	1235.3	1333.3	1431.1	1447.5
75°	9740.0	6237.6	2735.3	1806.4	877.6	925.2	972.8	1082.5	1192.2	1268.0
77.5°	6959.0	4365.8	1772.5	1224.1	675.6	708.0	740.5	847.0	953.5	1078.5
80°	4554.6	2812.8	1070.9	788.7	506.5	520.0	533.4	623.6	713.7	863.0
82.5°	2647.6	1628.0	608.5	485.1	362.0	364.3	367.0	433.4	499.8	627.3
85°	1164.9	732.3	299.9	259.3	218.9	217.7	216.4	265.0	313.7	408.4
87.5°	360.6	239.9	119.1	107.5	95.9	94.8	93.6	113.4	133.3	172.8
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°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4325.4	2.5°	4293.2	4261.1	4232.1	4203.3	4177.9	4152.6	4127.1	4101.8	4082.2	4062.4
4287.1	5°	4226.4	4165.5	4114.5	4063.7	4018.8	3973.8	3933.0	3892.1	3860.8	3829.2
4273.4	7.5°	4192.5	4111.8	4044.8	3977.7	3921.1	3864.4	3814.5	3764.7	3727.2	3690.0
4280.1	10°	4194.9	4109.7	4042.6	3975.5	3914.6	3853.5	3797.4	3741.2	3696.6	3651.8
4288.5	12.5°	4218.7	4149.3	4104.6	4060.4	4012.4	3964.7	3906.5	3848.5	3791.5	3734.5
4252.7	15°	4219.4	4186.2	4192.2	4198.2	4185.8	4173.4	4122.9	4072.4	3991.3	3910.1
4143.7	17.5°	4156.0	4168.0	4241.2	4314.3	4353.2	4392.0	4351.2	4310.6	4203.1	4095.6
3965.9	20°	4023.0	4080.0	4206.9	4334.1	4415.4	4496.8	4478.0	4459.0	4336.1	4213.3
3764.1	22.5°	3848.5	3932.9	4077.8	4223.1	4328.9	4434.7	4446.1	4457.4	4340.0	4222.5
3568.4	25°	3665.7	3763.0	3893.3	4023.8	4127.9	4232.1	4271.0	4309.8	4213.5	4117.4
3397.3	27.5°	3491.3	3585.2	3692.4	3799.4	3882.9	3966.4	4009.7	4053.1	3984.5	3916.1
3246.9	30°	3321.3	3396.2	3485.0	3573.9	3643.2	3712.7	3747.9	3783.1	3730.9	3678.6
3115.0	32.5°	3159.2	3203.3	3274.2	3345.3	3411.8	3478.3	3517.4	3556.7	3508.7	3460.6
2990.6	35°	3002.7	3014.9	3069.1	3123.1	3188.8	3254.8	3301.7	3348.7	3314.5	3280.4
2860.1	37.5°	2846.7	2833.3	2872.2	2910.9	2976.5	3042.2	3100.3	3158.3	3142.5	3126.8
2717.2	40°	2686.8	2656.5	2684.5	2712.5	2775.9	2839.3	2906.1	2973.0	2976.8	2980.5
2565.4	42.5°	2525.1	2484.9	2507.7	2530.7	2590.7	2650.9	2723.1	2795.2	2814.5	2833.8
2414.4	45°	2375.2	2336.1	2355.2	2374.7	2431.7	2488.7	2563.6	2638.4	2666.0	2693.7
2279.8	47.5°	2246.9	2214.0	2232.1	2250.1	2305.9	2361.6	2435.4	2509.2	2541.1	2572.9
2161.2	50°	2132.0	2103.0	2131.1	2159.5	2212.2	2264.7	2330.7	2396.8	2437.8	2478.7
2072.8	52.5°	2043.9	2015.2	2057.7	2100.0	2148.3	2196.4	2258.0	2319.7	2368.1	2416.6
2025.8	55°	1980.2	1934.7	1995.0	2055.0	2107.0	2159.0	2213.0	2266.8	2318.2	2369.7
1997.6	57.5°	1931.2	1864.8	1929.5	1994.3	2055.3	2116.4	2169.7	2223.2	2275.1	2326.7
1971.1	60°	1885.1	1798.9	1855.7	1912.4	1982.5	2052.7	2106.8	2161.2	2213.2	2265.2
1940.3	62.5°	1832.6	1725.1	1761.1	1797.2	1878.9	1960.7	2018.6	2076.5	2124.1	2171.7
1875.2	65°	1760.8	1646.2	1660.2	1673.9	1761.5	1849.2	1904.5	1959.9	2001.8	2043.8
1759.1	67.5°	1663.9	1568.6	1564.2	1559.9	1640.7	1721.7	1774.2	1826.6	1862.8	1899.0
1611.9	70°	1544.1	1476.3	1461.2	1446.1	1517.3	1588.4	1633.7	1679.0	1711.7	1744.4
1447.8	72.5°	1401.4	1354.9	1332.8	1310.8	1366.8	1422.7	1463.6	1504.5	1536.6	1568.6
1261.6	75°	1225.9	1190.0	1168.9	1147.6	1189.2	1230.8	1267.9	1304.9	1334.1	1363.3
1075.1	77.5°	1046.5	1017.8	996.3	974.8	1008.7	1042.4	1074.3	1106.2	1136.9	1167.4
862.5	80°	838.5	814.3	796.4	778.3	806.4	834.4	861.3	888.1	911.4	934.6
634.3	82.5°	622.6	610.9	598.1	585.4	583.0	580.7	571.3	561.9	611.5	661.2
417.6	85°	405.1	392.5	378.2	364.0	351.9	339.6	313.7	287.7	334.1	380.7
184.5	87.5°	179.5	174.4	171.8	169.1	168.6	168.1	148.3	128.3	147.8	167.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4046.4	2.5°	4030.5	4018.1	4005.7	3994.3	3982.7	3968.4	3982.7	3994.3	4005.7	4018.1
3807.3	5°	3785.3	3769.7	3754.1	3742.2	3730.3	3718.5	3730.3	3742.2	3754.1	3769.7
3663.8	7.5°	3637.7	3619.7	3602.0	3591.2	3580.7	3572.6	3580.7	3591.2	3602.0	3619.7
3622.6	10°	3593.1	3576.1	3559.2	3550.1	3541.1	3537.4	3541.1	3550.1	3559.2	3576.1
3696.7	12.5°	3659.0	3640.0	3621.2	3613.5	3605.8	3604.5	3605.8	3613.5	3621.2	3640.0
3852.7	15°	3795.3	3769.0	3742.8	3732.8	3722.7	3721.9	3722.7	3732.8	3742.8	3769.0
4011.0	17.5°	3926.5	3887.6	3848.5	3835.8	3822.9	3820.8	3822.9	3835.8	3848.5	3887.6
4109.7	20°	4006.2	3956.4	3906.4	3890.4	3874.5	3869.5	3874.5	3890.4	3906.4	3956.4
4115.9	22.5°	4009.0	3956.5	3903.9	3886.3	3868.6	3861.1	3868.6	3886.3	3903.9	3956.5
4022.4	25°	3927.8	3882.2	3836.8	3820.2	3803.7	3794.0	3803.7	3820.2	3836.8	3882.2
3842.5	27.5°	3768.8	3738.3	3707.6	3700.1	3692.5	3690.0	3692.5	3700.1	3707.6	3738.3
3625.9	30°	3572.9	3557.3	3541.6	3541.6	3541.6	3544.1	3541.6	3541.6	3541.6	3557.3
3418.5	32.5°	3376.4	3366.1	3355.9	3357.2	3358.7	3361.3	3358.7	3357.2	3355.9	3366.1
3241.5	35°	3202.8	3187.2	3171.7	3168.4	3165.0	3163.3	3165.0	3168.4	3171.7	3187.2
3091.1	37.5°	3055.2	3026.8	2998.6	2983.7	2968.8	2960.4	2968.8	2983.7	2998.6	3026.8
2950.2	40°	2919.8	2878.5	2837.6	2809.8	2782.3	2765.8	2782.3	2809.8	2837.6	2878.5
2808.1	42.5°	2782.6	2731.4	2680.3	2639.9	2599.4	2572.9	2599.4	2639.9	2680.3	2731.4
2670.6	45°	2647.6	2589.0	2530.7	2483.2	2435.7	2405.2	2435.7	2483.2	2530.7	2589.0
2556.8	47.5°	2540.7	2488.7	2436.7	2392.8	2349.0	2319.7	2349.0	2392.8	2436.7	2488.7
2477.7	50°	2477.0	2435.4	2393.8	2353.2	2312.6	2284.5	2312.6	2353.2	2393.8	2435.4
2425.3	52.5°	2434.1	2400.2	2366.3	2329.9	2293.7	2267.7	2293.7	2329.9	2366.3	2400.2
2381.7	55°	2393.8	2364.3	2334.8	2302.9	2271.0	2247.6	2271.0	2302.9	2334.8	2364.3
2339.0	57.5°	2351.2	2321.4	2291.5	2260.0	2228.3	2203.9	2228.3	2260.0	2291.5	2321.4
2278.6	60°	2292.0	2262.8	2233.8	2201.3	2168.7	2143.6	2168.7	2201.3	2233.8	2262.8
2184.7	62.5°	2197.6	2171.2	2144.9	2110.7	2076.5	2046.3	2076.5	2110.7	2144.9	2171.2
2057.0	65°	2070.1	2044.8	2019.4	1986.2	1953.2	1927.2	1953.2	1986.2	2019.4	2044.8
1911.9	67.5°	1924.7	1901.4	1878.2	1847.4	1816.5	1793.0	1816.5	1847.4	1878.2	1901.4
1756.8	70°	1769.2	1750.2	1731.3	1701.8	1672.2	1645.4	1672.2	1701.8	1731.3	1750.2
1583.4	72.5°	1598.1	1582.3	1566.6	1538.4	1510.4	1484.4	1510.4	1538.4	1566.6	1582.3
1378.7	75°	1394.2	1386.4	1378.7	1355.1	1331.4	1306.6	1331.4	1355.1	1378.7	1386.4
1181.8	77.5°	1196.2	1185.5	1174.4	1150.6	1126.8	1107.0	1126.8	1150.6	1174.4	1185.5
953.7	80°	972.8	968.1	963.6	931.6	899.4	862.1	899.4	931.6	963.6	968.1
693.7	82.5°	726.3	724.2	722.1	695.1	667.9	644.1	667.9	695.1	722.1	724.2
421.0	85°	461.3	457.9	454.5	433.4	412.3	390.8	412.3	433.4	454.5	457.9
183.7	87.5°	199.9	195.9	191.5	180.8	169.7	159.3	169.7	180.8	191.5	195.9
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°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4030.5	2.5°	4046.4	4062.4	4082.2	4101.8	4127.1	4152.6	4177.9	4203.3	4232.1	4261.1
3785.3	5°	3807.3	3829.2	3860.8	3892.1	3933.0	3973.8	4018.8	4063.7	4114.5	4165.5
3637.7	7.5°	3663.8	3690.0	3727.2	3764.7	3814.5	3864.4	3921.1	3977.7	4044.8	4111.8
3593.1	10°	3622.6	3651.8	3696.6	3741.2	3797.4	3853.5	3914.6	3975.5	4042.6	4109.7
3659.0	12.5°	3696.7	3734.5	3791.5	3848.5	3906.5	3964.7	4012.4	4060.4	4104.6	4149.3
3795.3	15°	3852.7	3910.1	3991.3	4072.4	4122.9	4173.4	4185.8	4198.2	4192.2	4186.2
3926.5	17.5°	4011.0	4095.6	4203.1	4310.6	4351.2	4392.0	4353.2	4314.3	4241.2	4168.0
4006.2	20°	4109.7	4213.3	4336.1	4459.0	4478.0	4496.8	4415.4	4334.1	4206.9	4080.0
4009.0	22.5°	4115.9	4222.5	4340.0	4457.4	4446.1	4434.7	4328.9	4223.1	4077.8	3932.9
3927.8	25°	4022.4	4117.4	4213.5	4309.8	4271.0	4232.1	4127.9	4023.8	3893.3	3763.0
3768.8	27.5°	3842.5	3916.1	3984.5	4053.1	4009.7	3966.4	3882.9	3799.4	3692.4	3585.2
3572.9	30°	3625.9	3678.6	3730.9	3783.1	3747.9	3712.7	3643.2	3573.9	3485.0	3396.2
3376.4	32.5°	3418.5	3460.6	3508.7	3556.7	3517.4	3478.3	3411.8	3345.3	3274.2	3203.3
3202.8	35°	3241.5	3280.4	3314.5	3348.7	3301.7	3254.8	3188.8	3123.1	3069.1	3014.9
3055.2	37.5°	3091.1	3126.8	3142.5	3158.3	3100.3	3042.2	2976.5	2910.9	2872.2	2833.3
2919.8	40°	2950.2	2980.5	2976.8	2973.0	2906.1	2839.3	2775.9	2712.5	2684.5	2656.5
2782.6	42.5°	2808.1	2833.8	2814.5	2795.2	2723.1	2650.9	2590.7	2530.7	2507.7	2484.9
2647.6	45°	2670.6	2693.7	2666.0	2638.4	2563.6	2488.7	2431.7	2374.7	2355.2	2336.1
2540.7	47.5°	2556.8	2572.9	2541.1	2509.2	2435.4	2361.6	2305.9	2250.1	2232.1	2214.0
2477.0	50°	2477.7	2478.7	2437.8	2396.8	2330.7	2264.7	2212.2	2159.5	2131.1	2103.0
2434.1	52.5°	2425.3	2416.6	2368.1	2319.7	2258.0	2196.4	2148.3	2100.0	2057.7	2015.2
2393.8	55°	2381.7	2369.7	2318.2	2266.8	2213.0	2159.0	2107.0	2055.0	1995.0	1934.7
2351.2	57.5°	2339.0	2326.7	2275.1	2223.2	2169.7	2116.4	2055.3	1994.3	1929.5	1864.8
2292.0	60°	2278.6	2265.2	2213.2	2161.2	2106.8	2052.7	1982.5	1912.4	1855.7	1798.9
2197.6	62.5°	2184.7	2171.7	2124.1	2076.5	2018.6	1960.7	1878.9	1797.2	1761.1	1725.1
2070.1	65°	2057.0	2043.8	2001.8	1959.9	1904.5	1849.2	1761.5	1673.9	1660.2	1646.2
1924.7	67.5°	1911.9	1899.0	1862.8	1826.6	1774.2	1721.7	1640.7	1559.9	1564.2	1568.6
1769.2	70°	1756.8	1744.4	1711.7	1679.0	1633.7	1588.4	1517.3	1446.1	1461.2	1476.3
1598.1	72.5°	1583.4	1568.6	1536.6	1504.5	1463.6	1422.7	1366.8	1310.8	1332.8	1354.9
1394.2	75°	1378.7	1363.3	1334.1	1304.9	1267.9	1230.8	1189.2	1147.6	1168.9	1190.0
1196.2	77.5°	1181.8	1167.4	1136.9	1106.2	1074.3	1042.4	1008.7	974.8	996.3	1017.8
972.8	80°	953.7	934.6	911.4	888.1	861.3	834.4	806.4	778.3	796.4	814.3
726.3	82.5°	693.7	661.2	611.5	561.9	571.3	580.7	583.0	585.4	598.1	610.9
461.3	85°	421.0	380.7	334.1	287.7	313.7	339.6	351.9	364.0	378.2	392.5
199.9	87.5°	183.7	167.4	147.8	128.3	148.3	168.1	168.6	169.1	171.8	174.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4293.2	2.5°	4325.4	4365.1	4400.8	4437.7	4474.6	4513.2	4551.8	4590.0	4628.4	4664.5
4226.4	5°	4287.1	4356.7	4427.2	4501.8	4576.5	4656.3	4736.3	4815.6	4895.1	4974.8
4192.5	7.5°	4273.4	4363.4	4459.5	4563.7	4667.9	4786.1	4904.4	5025.8	5147.2	5278.6
4194.9	10°	4280.1	4376.9	4495.4	4618.9	4742.0	4885.7	5029.3	5189.7	5350.2	5516.4
4218.7	12.5°	4288.5	4378.5	4503.2	4642.5	4781.9	4951.3	5120.7	5302.5	5484.4	5666.9
4219.4	15°	4252.7	4324.9	4462.9	4624.3	4785.6	4980.7	5175.7	5373.0	5570.2	5760.6
4156.0	17.5°	4143.7	4188.2	4350.5	4544.6	4738.6	4965.1	5191.5	5406.7	5621.9	5815.0
4023.0	20°	3965.9	3977.7	4166.7	4407.2	4647.7	4922.1	5196.5	5433.0	5669.5	5870.3
3848.5	22.5°	3764.1	3741.2	3956.4	4246.0	4535.7	4869.5	5203.3	5468.6	5733.8	5938.9
3665.7	25°	3568.4	3506.3	3726.9	4066.1	4405.4	4817.5	5229.8	5533.0	5836.1	6036.9
3491.3	27.5°	3397.3	3321.8	3522.6	3901.5	4280.4	4782.8	5285.1	5633.6	5982.0	6173.7
3321.3	30°	3246.9	3187.7	3356.2	3764.0	4171.7	4766.5	5360.9	5764.0	6167.0	6352.0
3159.2	32.5°	3115.0	3088.7	3224.6	3645.4	4066.1	4746.4	5426.3	5900.0	6373.7	6556.8
3002.7	35°	2990.6	3001.5	3114.7	3528.8	3942.9	4708.5	5474.3	6055.0	6635.6	6811.3
2846.7	37.5°	2860.1	2900.0	2999.0	3391.6	3784.3	4643.5	5502.8	6228.6	6954.3	7178.1
2686.8	40°	2717.2	2778.4	2868.1	3227.9	3587.7	4554.1	5520.8	6449.0	7377.0	7703.1
2525.1	42.5°	2565.4	2642.6	2725.2	3047.3	3369.3	4461.9	5554.8	6737.3	7919.8	8390.4
2375.2	45°	2414.4	2489.1	2572.9	2855.4	3137.9	4376.2	5614.7	7116.7	8618.7	9253.5
2246.9	47.5°	2279.8	2344.0	2452.2	2703.6	2955.0	4305.4	5655.8	7520.9	9386.0	10279.7
2132.0	50°	2161.2	2235.8	2378.0	2602.8	2827.6	4228.2	5628.9	7896.0	10163.0	11510.2
2043.9	52.5°	2072.8	2177.1	2340.6	2536.4	2732.3	4097.9	5463.7	8139.5	10815.1	12802.7
1980.2	55°	2025.8	2183.0	2335.1	2488.2	2641.4	3881.9	5122.4	8085.8	11049.1	13948.6
1931.2	57.5°	1997.6	2188.8	2323.0	2431.2	2539.4	3577.3	4615.0	7708.1	10801.3	14760.7
1885.1	60°	1971.1	2170.4	2259.0	2344.0	2429.0	3181.8	3934.6	7005.2	10075.7	14963.7
1832.6	62.5°	1940.3	2125.1	2136.0	2192.4	2248.9	2708.5	3168.0	6054.6	8941.2	14109.1
1760.8	65°	1875.2	2016.1	2014.7	2041.4	2068.1	2282.6	2497.1	5084.8	7672.7	12899.9
1663.9	67.5°	1759.1	1838.3	1842.0	1827.2	1812.3	1873.4	1934.2	4134.8	6335.4	11461.0
1544.1	70°	1611.9	1637.9	1637.9	1568.9	1499.8	1482.5	1465.1	3255.6	5046.1	9890.9
1401.4	72.5°	1447.8	1447.5	1431.1	1333.3	1235.3	1182.6	1130.1	2488.9	3847.7	8188.8
1225.9	75°	1261.6	1268.0	1192.2	1082.5	972.8	925.2	877.6	1806.4	2735.3	6237.6
1046.5	77.5°	1075.1	1078.5	953.5	847.0	740.5	708.0	675.6	1224.1	1772.5	4365.8
838.5	80°	862.5	863.0	713.7	623.6	533.4	520.0	506.5	788.7	1070.9	2812.8
622.6	82.5°	634.3	627.3	499.8	433.4	367.0	364.3	362.0	485.1	608.5	1628.0
405.1	85°	417.6	408.4	313.7	265.0	216.4	217.7	218.9	259.3	299.9	732.3
179.5	87.5°	184.5	172.8	133.3	113.4	93.6	94.8	95.9	107.5	119.1	239.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4700.6	2.5°	4718.4	4736.3	4761.6	4787.0	4802.0	4817.1	4824.7	4832.2	4828.9	4832.2
5054.5	5°	5116.7	5179.1	5240.8	5302.7	5336.3	5369.8	5390.1	5410.6	5426.0	5410.6
5410.1	7.5°	5511.4	5612.5	5703.6	5794.7	5849.5	5904.4	5934.0	5963.6	5977.8	5963.6
5682.6	10°	5802.4	5922.1	6029.0	6135.8	6200.6	6265.0	6293.8	6322.5	6333.4	6322.5
5849.5	12.5°	5979.3	6109.0	6205.6	6301.9	6348.8	6395.8	6411.6	6427.3	6429.0	6427.3
5951.0	15°	6063.0	6174.9	6235.4	6296.2	6297.8	6299.5	6282.7	6266.0	6246.2	6266.0
6008.0	17.5°	6083.7	6159.3	6160.5	6161.5	6093.6	6025.6	5963.4	5901.0	5857.1	5901.0
6070.9	20°	6097.2	6123.7	6044.1	5964.4	5814.5	5664.5	5555.3	5446.1	5379.0	5446.1
6143.9	22.5°	6109.3	6074.8	5909.7	5744.7	5524.1	5303.6	5167.0	5030.5	4956.4	5030.5
6237.8	25°	6128.8	6019.8	5769.2	5518.6	5250.7	4982.9	4839.3	4696.0	4625.9	4696.0
6365.3	27.5°	6170.4	5975.3	5643.4	5311.6	5014.7	4717.8	4576.6	4435.6	4369.3	4435.6
6537.2	30°	6246.5	5956.0	5547.4	5138.8	4829.6	4520.3	4389.3	4258.3	4196.5	4258.3
6740.1	32.5°	6342.1	5944.3	5482.0	5019.8	4729.1	4438.4	4335.6	4232.6	4188.2	4232.6
6986.7	35°	6499.6	6012.7	5531.0	5049.4	4847.5	4645.7	4621.7	4597.8	4594.1	4597.8
7401.8	37.5°	6828.9	6255.9	5818.1	5380.4	5367.3	5354.2	5463.9	5573.6	5630.6	5573.6
8029.1	40°	7406.0	6782.9	6457.4	6131.8	6361.6	6591.4	6858.1	7124.7	7257.6	7124.7
8861.1	42.5°	8242.8	7624.6	7437.1	7249.5	7750.7	8251.9	8736.9	9222.0	9506.8	9222.0
9888.4	45°	9333.0	8777.5	8694.8	8612.0	9414.9	10218.0	11015.0	11812.2	12296.1	11812.2
11173.2	47.5°	10632.9	10092.5	10075.7	10059.0	11217.3	12375.3	13542.2	14708.9	15394.1	14708.9
12857.2	50°	12189.8	11522.6	11525.4	11528.3	13021.0	14513.8	16054.1	17594.3	18525.5	17594.3
14790.2	52.5°	13982.1	13174.2	13092.5	13010.6	14793.8	16576.9	18482.6	20388.2	21504.4	20388.2
16848.3	55°	16049.9	15251.5	14933.0	14614.5	16599.0	18583.4	20855.3	23127.1	24454.7	23127.1
18720.1	57.5°	18285.3	17850.4	17211.6	16572.8	18576.7	20580.5	23153.8	25726.9	27373.2	25726.9
19851.4	60°	20526.7	21202.1	20408.8	19615.4	21511.8	23408.1	26163.2	28918.3	30697.5	28918.3
19277.0	62.5°	21122.1	22967.3	22877.9	22788.3	24525.5	26262.8	28884.1	31505.1	33149.7	31505.1
18127.2	65°	19859.0	21590.8	21933.4	22275.9	24483.6	26691.4	29233.1	31774.7	33174.9	31774.7
16586.6	67.5°	18233.7	19880.8	20041.5	20202.0	22502.2	24802.2	27354.9	29907.5	31004.5	29907.5
14735.7	70°	16527.2	18318.9	18390.7	18462.6	20519.7	22576.5	24773.2	26969.8	27579.5	26969.8
12530.1	72.5°	14585.9	16642.0	16693.6	16745.1	18354.5	19963.8	21609.0	23254.1	23315.8	23254.1
9740.0	75°	11867.7	13995.5	14186.6	14377.6	15629.7	16881.8	18040.0	19198.1	18887.8	19198.1
6959.0	77.5°	8945.3	10931.7	11205.1	11478.5	12430.3	13382.2	14203.5	15025.1	14491.7	15025.1
4554.6	80°	6225.7	7896.6	8236.4	8576.3	9295.1	10013.7	10445.1	10876.3	10018.4	10876.3
2647.6	82.5°	3790.0	4932.5	5312.1	5691.8	6186.6	6681.4	6861.4	7041.2	6366.9	7041.2
1164.9	85°	1771.2	2377.5	2700.4	3023.3	3429.9	3836.3	3938.4	4040.6	3500.5	4040.6
360.6	87.5°	564.4	768.2	948.3	1128.5	1331.8	1535.0	1543.8	1552.3	1303.2	1552.3
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°
4371.0	0°	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0	4371.0
4824.7	2.5°	4817.1	4802.0	4787.0	4761.6	4736.3	4718.4	4700.6
5390.1	5°	5369.8	5336.3	5302.7	5240.8	5179.1	5116.7	5054.5
5934.0	7.5°	5904.4	5849.5	5794.7	5703.6	5612.5	5511.4	5410.1
6293.8	10°	6265.0	6200.6	6135.8	6029.0	5922.1	5802.4	5682.6
6411.6	12.5°	6395.8	6348.8	6301.9	6205.6	6109.0	5979.3	5849.5
6282.7	15°	6299.5	6297.8	6296.2	6235.4	6174.9	6063.0	5951.0
5963.4	17.5°	6025.6	6093.6	6161.5	6160.5	6159.3	6083.7	6008.0
5555.3	20°	5664.5	5814.5	5964.4	6044.1	6123.7	6097.2	6070.9
5167.0	22.5°	5303.6	5524.1	5744.7	5909.7	6074.8	6109.3	6143.9
4839.3	25°	4982.9	5250.7	5518.6	5769.2	6019.8	6128.8	6237.8
4576.6	27.5°	4717.8	5014.7	5311.6	5643.4	5975.3	6170.4	6365.3
4389.3	30°	4520.3	4829.6	5138.8	5547.4	5956.0	6246.5	6537.2
4335.6	32.5°	4438.4	4729.1	5019.8	5482.0	5944.3	6342.1	6740.1
4621.7	35°	4645.7	4847.5	5049.4	5531.0	6012.7	6499.6	6986.7
5463.9	37.5°	5354.2	5367.3	5380.4	5818.1	6255.9	6828.9	7401.8
6858.1	40°	6591.4	6361.6	6131.8	6457.4	6782.9	7406.0	8029.1
8736.9	42.5°	8251.9	7750.7	7249.5	7437.1	7624.6	8242.8	8861.1
11015.0	45°	10218.0	9414.9	8612.0	8694.8	8777.5	9333.0	9888.4
13542.2	47.5°	12375.3	11217.3	10059.0	10075.7	10092.5	10632.9	11173.2
16054.1	50°	14513.8	13021.0	11528.3	11525.4	11522.6	12189.8	12857.2
18482.6	52.5°	16576.9	14793.8	13010.6	13092.5	13174.2	13982.1	14790.2
20855.3	55°	18583.4	16599.0	14614.5	14933.0	15251.5	16049.9	16848.3
23153.8	57.5°	20580.5	18576.7	16572.8	17211.6	17850.4	18285.3	18720.1
26163.2	60°	23408.1	21511.8	19615.4	20408.8	21202.1	20526.7	19851.4
28884.1	62.5°	26262.8	24525.5	22788.3	22877.9	22967.3	21122.1	19277.0
29233.1	65°	26691.4	24483.6	22275.9	21933.4	21590.8	19859.0	18127.2
27354.9	67.5°	24802.2	22502.2	20202.0	20041.5	19880.8	18233.7	16586.6
24773.2	70°	22576.5	20519.7	18462.6	18390.7	18318.9	16527.2	14735.7
21609.0	72.5°	19963.8	18354.5	16745.1	16693.6	16642.0	14585.9	12530.1
18040.0	75°	16881.8	15629.7	14377.6	14186.6	13995.5	11867.7	9740.0
14203.5	77.5°	13382.2	12430.3	11478.5	11205.1	10931.7	8945.3	6959.0
10445.1	80°	10013.7	9295.1	8576.3	8236.4	7896.6	6225.7	4554.6
6861.4	82.5°	6681.4	6186.6	5691.8	5312.1	4932.5	3790.0	2647.6
3938.4	85°	3836.3	3429.9	3023.3	2700.4	2377.5	1771.2	1164.9
1543.8	87.5°	1535.0	1331.8	1128.5	948.3	768.2	564.4	360.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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