

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: P955027

Luminaire Tested: **GALN-SB8A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955027
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-SB8A-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 33524 lumens
Efficiency: N/A
Efficacy: 147.6 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

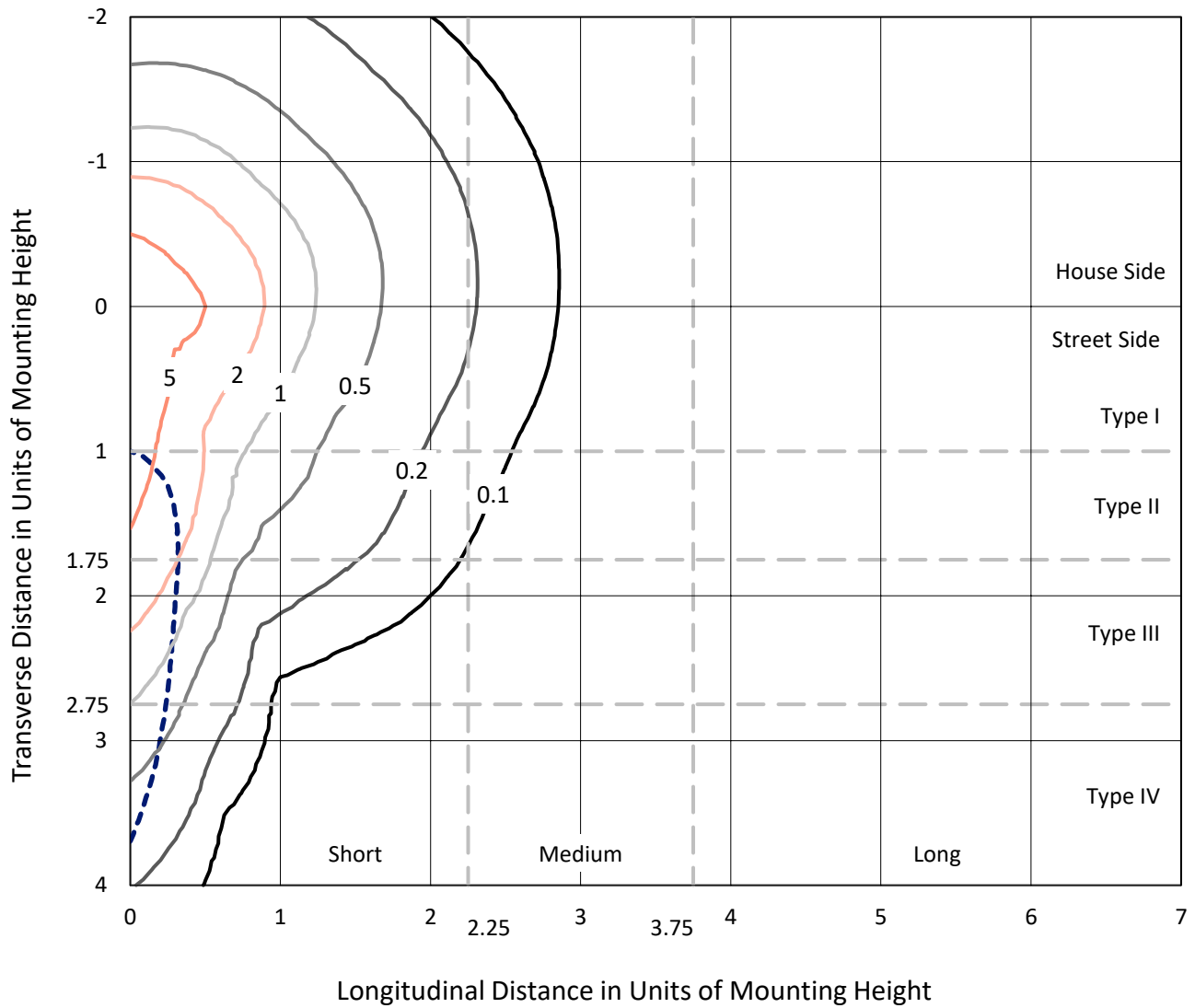
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

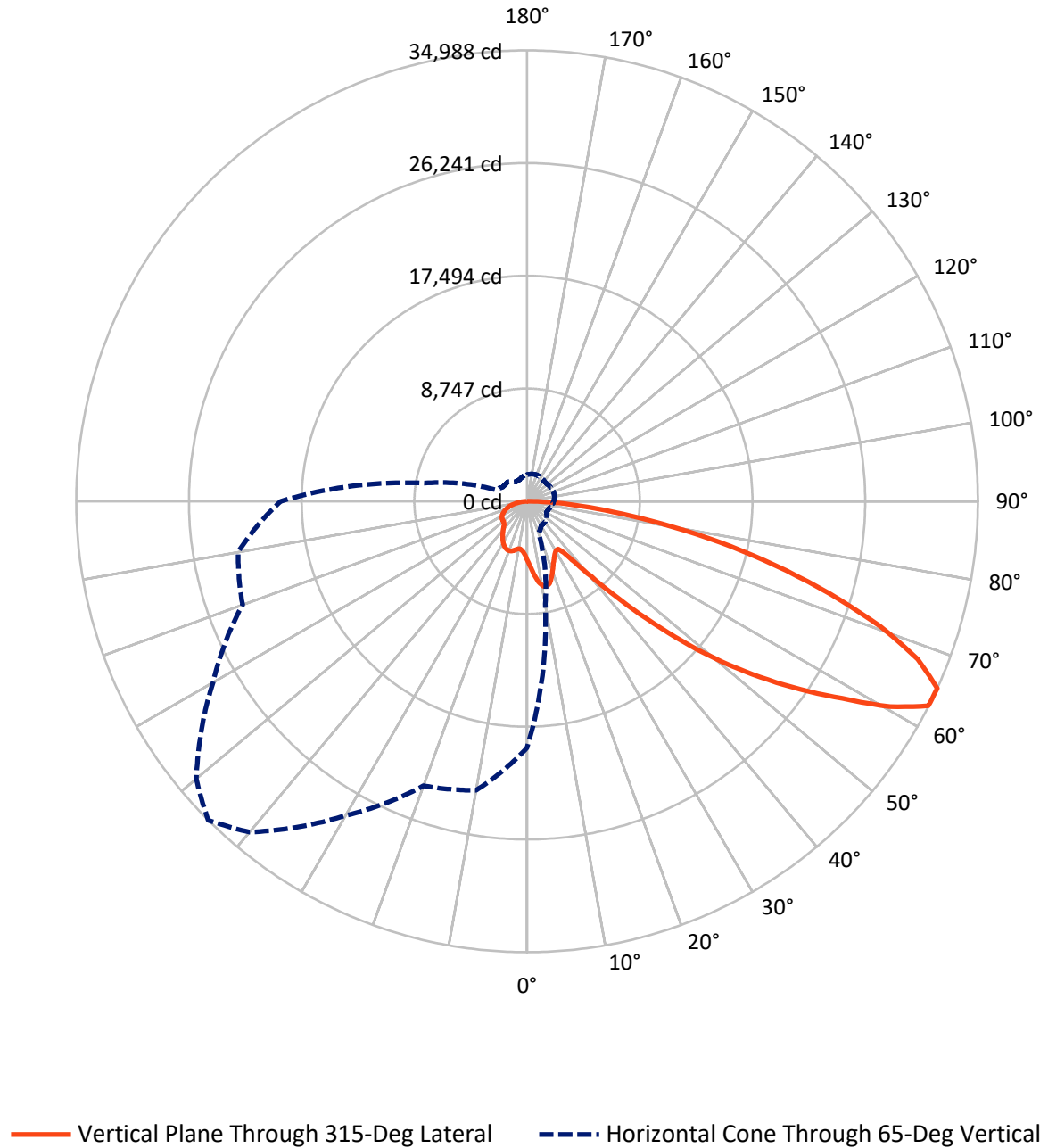
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	8520.1	0.0	8520.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25003.9	0.0	25003.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	33524.0	0.0	33524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.3	1.4
10°-20°	1435.5	4.3
20°-30°	2217.4	6.6
30°-40°	2810.0	8.4
40°-50°	4238.2	12.6
50°-60°	6847.4	20.4
60°-70°	8536.4	25.5
70°-80°	5597.8	16.7
80°-90°	1383.9	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°	33524.0	100.0
0°-180°	33524.0	100.0

Coefficient of Utilization



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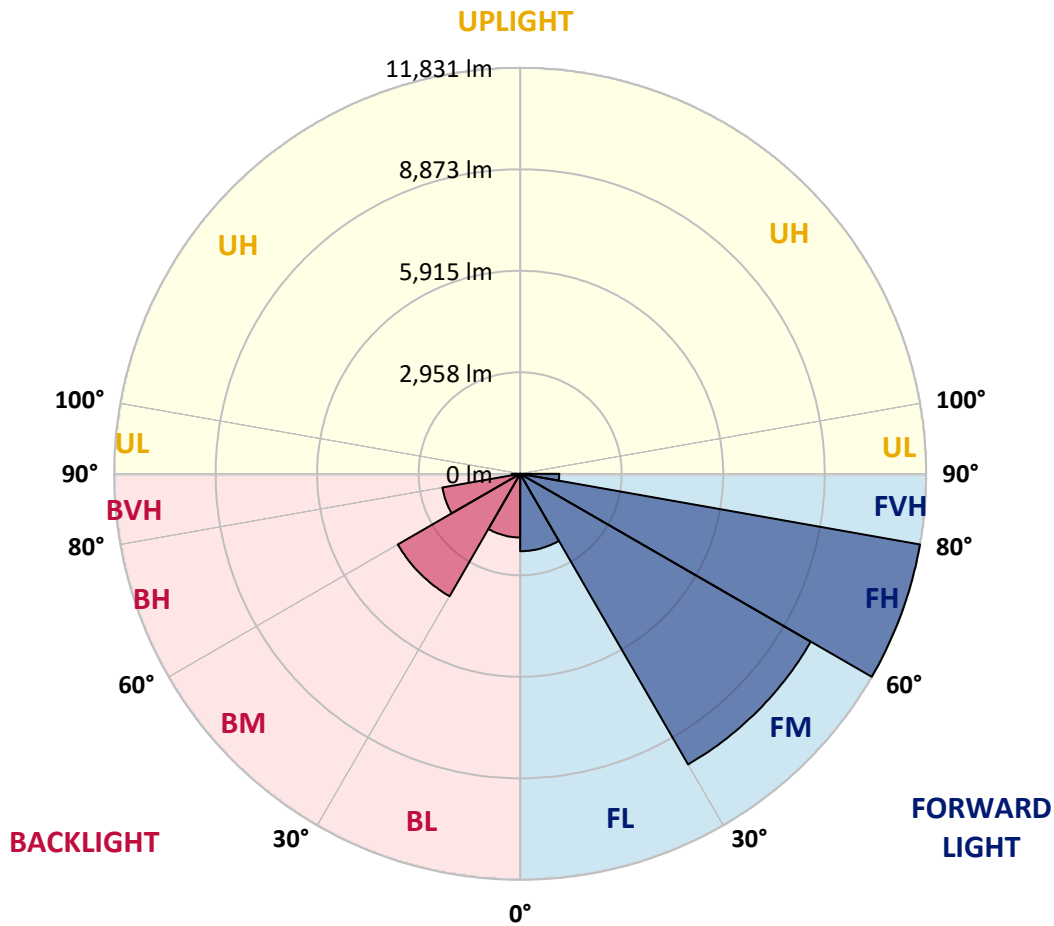
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2254.9	6.7			
FM (30°-60°)	9778.2	29.2			
FH (60°-80°)	11830.8	35.3			G4/12000
FVH (80°-90°)	1140.0	3.4			G5
BL (0°-30°)	1855.4	5.5	B3/2500		
BM (30°-60°)	4117.4	12.3	B3/5000		
BH (60°-80°)	2303.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	243.9	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
2.5°	4957.4	4919.4	4881.4	4840.9	4800.5	4759.8	4719.2	4680.2	4641.3	4603.6
5°	5330.7	5246.7	5162.6	5078.8	4995.1	4910.7	4826.5	4747.8	4669.1	4594.8
7.5°	5705.7	5567.0	5428.5	5300.4	5172.4	5047.6	4922.9	4813.1	4703.2	4601.9
10°	5993.1	5817.8	5642.5	5473.3	5304.1	5152.7	5001.1	4871.3	4741.1	4616.0
12.5°	6169.2	5976.5	5784.1	5592.3	5400.6	5221.9	5043.2	4896.2	4749.2	4617.8
15°	6276.2	6075.4	5874.6	5666.6	5458.6	5252.8	5047.1	4876.9	4706.8	4561.2
17.5°	6336.3	6132.7	5929.1	5702.2	5475.2	5236.4	4997.6	4792.9	4588.3	4417.0
20°	6402.7	6191.1	5979.3	5729.9	5480.5	5191.1	4901.7	4648.0	4394.4	4195.0
22.5°	6479.6	6263.4	6047.1	5767.4	5487.6	5135.6	4783.5	4478.1	4172.6	3945.6
25°	6578.7	6366.7	6155.0	5835.4	5515.5	5080.7	4646.1	4288.2	3930.6	3698.0
27.5°	6713.1	6511.1	6308.9	5941.5	5573.9	5044.1	4514.3	4114.7	3715.1	3503.4
30°	6894.4	6699.1	6504.0	6078.9	5653.9	5027.0	4399.7	3969.7	3539.6	3361.9
32.5°	7108.5	6915.1	6721.9	6222.4	5722.9	5005.7	4288.2	3844.6	3400.8	3257.5
35°	7368.5	7183.5	6998.3	6385.8	5773.4	4965.7	4158.4	3721.7	3284.9	3165.5
37.5°	7806.3	7570.3	7334.3	6568.9	5803.5	4897.3	3991.1	3577.0	3162.9	3058.5
40°	8467.9	8124.0	7780.1	6801.4	5822.4	4803.0	3783.7	3404.3	3024.9	2930.2
42.5°	9345.3	8848.9	8352.5	7105.4	5858.4	4705.7	3553.4	3213.8	2874.2	2787.0
45°	10428.7	9759.2	9089.7	7505.6	5921.5	4615.3	3309.3	3011.4	2713.5	2625.1
47.5°	11783.7	10841.4	9898.9	7931.9	5964.8	4540.7	3116.5	2851.3	2586.2	2472.1
50°	13559.8	12139.1	10718.3	8327.4	5936.5	4459.3	2982.1	2745.0	2508.0	2358.0
52.5°	15598.4	13502.3	11406.1	8584.3	5762.3	4321.9	2881.6	2675.0	2468.5	2296.1
55°	17768.9	14710.8	11652.8	8527.7	5402.3	4094.0	2785.7	2624.2	2462.7	2302.3
57.5°	19743.1	15567.3	11391.6	8129.3	4867.2	3772.8	2678.2	2564.1	2450.0	2308.5
60°	20936.2	15781.4	10626.3	7387.9	4149.6	3355.7	2561.8	2472.1	2382.4	2289.0
62.5°	20330.3	14880.1	9429.8	6385.5	3341.2	2856.5	2371.8	2312.2	2252.7	2241.2
65°	19117.7	13604.9	8092.0	5362.7	2633.6	2407.3	2181.1	2153.0	2124.8	2126.3
67.5°	17493.0	12087.3	6681.6	4360.8	2039.9	1975.7	1911.3	1927.1	1942.6	1938.8
70°	15541.0	10431.4	5321.8	3433.5	1545.2	1563.6	1581.8	1654.7	1727.4	1727.4
72.5°	13214.8	8636.3	4057.9	2624.9	1191.9	1247.3	1302.8	1406.1	1509.3	1526.6
75°	10272.2	6578.5	2884.8	1905.1	925.5	975.7	1026.0	1141.7	1257.4	1337.3
77.5°	7339.3	4604.4	1869.4	1291.0	712.5	746.7	781.0	893.3	1005.6	1137.4
80°	4803.5	2966.5	1129.5	831.8	534.2	548.4	562.5	657.7	752.7	910.1
82.5°	2792.3	1716.9	641.8	511.6	381.7	384.2	387.0	457.1	527.1	661.6
85°	1228.5	772.3	316.3	273.5	230.8	229.6	228.2	279.5	330.8	430.7
87.5°	380.3	253.0	125.6	113.4	101.2	99.9	98.7	119.6	140.6	182.2
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°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
4561.7	2.5°	4527.8	4494.0	4463.4	4432.9	4406.2	4379.5	4352.6	4325.9	4305.2	4284.4
4521.4	5°	4457.4	4393.1	4339.4	4285.8	4238.4	4191.0	4148.0	4104.8	4071.7	4038.5
4506.9	7.5°	4421.6	4336.5	4265.8	4195.0	4135.4	4075.6	4022.9	3970.4	3930.9	3891.7
4514.0	10°	4424.1	4334.2	4263.5	4192.7	4128.5	4064.1	4004.9	3945.6	3898.6	3851.3
4522.8	12.5°	4449.2	4376.0	4328.9	4282.2	4231.6	4181.4	4120.0	4058.8	3998.7	3938.5
4485.1	15°	4449.9	4414.9	4421.3	4427.6	4414.5	4401.5	4348.2	4295.0	4209.4	4123.7
4370.1	17.5°	4383.1	4395.8	4472.9	4550.0	4591.1	4632.0	4589.0	4546.2	4432.8	4319.4
4182.6	20°	4242.8	4302.9	4436.8	4570.9	4656.7	4742.5	4722.7	4702.7	4573.0	4443.6
3969.8	22.5°	4058.8	4147.8	4300.6	4453.8	4565.4	4677.1	4689.1	4700.9	4577.1	4453.3
3763.4	25°	3866.0	3968.6	4106.0	4243.7	4353.5	4463.4	4504.4	4545.3	4443.7	4342.4
3583.0	27.5°	3682.0	3781.1	3894.1	4007.0	4095.1	4183.2	4228.8	4274.6	4202.3	4130.1
3424.3	30°	3502.8	3581.7	3675.5	3769.2	3842.3	3915.5	3952.7	3989.8	3934.8	3879.6
3285.3	32.5°	3331.8	3378.3	3453.1	3528.1	3598.2	3668.4	3709.6	3751.0	3700.4	3649.7
3154.0	35°	3166.7	3179.7	3236.8	3293.8	3363.1	3432.6	3482.1	3531.7	3495.6	3459.7
3016.4	37.5°	3002.2	2988.1	3029.1	3070.0	3139.1	3208.5	3269.7	3330.9	3314.3	3297.6
2865.7	40°	2833.7	2801.6	2831.2	2860.7	2927.6	2994.4	3064.9	3135.4	3139.5	3143.4
2705.6	42.5°	2663.1	2620.7	2644.7	2669.0	2732.3	2795.8	2871.9	2947.9	2968.3	2988.6
2546.4	45°	2505.0	2463.8	2483.9	2504.5	2564.6	2624.7	2703.6	2782.5	2811.7	2840.9
2404.3	47.5°	2369.7	2335.0	2354.1	2373.0	2431.9	2490.7	2568.5	2646.3	2679.9	2713.5
2279.3	50°	2248.5	2217.9	2247.6	2277.5	2333.0	2388.4	2458.1	2527.8	2571.0	2614.1
2186.0	52.5°	2155.6	2125.4	2170.1	2214.7	2265.6	2316.4	2381.3	2446.4	2497.6	2548.7
2136.5	55°	2088.4	2040.5	2104.0	2167.3	2222.1	2277.0	2333.9	2390.7	2444.8	2499.1
2106.8	57.5°	2036.7	1966.7	2035.0	2103.3	2167.7	2232.0	2288.3	2344.7	2399.4	2453.9
2078.8	60°	1988.1	1897.2	1957.1	2016.9	2090.9	2164.8	2222.0	2279.3	2334.1	2388.9
2046.3	62.5°	1932.7	1819.3	1857.4	1895.4	1981.6	2067.9	2128.9	2189.9	2240.2	2290.4
1977.7	65°	1857.0	1736.2	1750.9	1765.4	1857.7	1950.2	2008.6	2067.0	2111.2	2155.4
1855.3	67.5°	1754.8	1654.3	1649.7	1645.1	1730.4	1815.8	1871.2	1926.4	1964.6	2002.8
1699.9	70°	1628.5	1557.0	1541.1	1525.2	1600.2	1675.2	1722.9	1770.7	1805.2	1839.7
1526.9	72.5°	1477.9	1428.9	1405.6	1382.4	1441.5	1500.4	1543.6	1586.7	1620.5	1654.3
1330.6	75°	1292.9	1255.1	1232.8	1210.3	1254.2	1298.0	1337.1	1376.2	1407.0	1437.8
1133.9	77.5°	1103.6	1073.4	1050.7	1028.1	1063.8	1099.4	1133.0	1166.6	1199.0	1231.2
909.6	80°	884.3	858.8	839.9	820.8	850.5	880.0	908.3	936.6	961.2	985.6
669.0	82.5°	656.6	644.2	630.8	617.4	614.9	612.4	602.5	592.6	645.0	697.3
440.5	85°	427.2	413.9	398.9	383.9	371.1	358.2	330.8	303.4	352.4	401.5
194.6	87.5°	189.3	184.0	181.1	178.3	177.8	177.2	156.4	135.3	155.8	176.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
4267.6	2.5°	4250.7	4237.7	4224.6	4212.5	4200.3	4185.3	4200.3	4212.5	4224.6	4237.7
4015.3	5°	3992.1	3975.7	3959.2	3946.7	3934.1	3921.7	3934.1	3946.7	3959.2	3975.7
3864.1	7.5°	3836.5	3817.5	3798.8	3787.5	3776.3	3767.8	3776.3	3787.5	3798.8	3817.5
3820.5	10°	3789.4	3771.5	3753.7	3744.1	3734.6	3730.7	3734.6	3744.1	3753.7	3771.5
3898.7	12.5°	3858.9	3838.9	3819.1	3811.0	3802.9	3801.4	3802.9	3811.0	3819.1	3838.9
4063.2	15°	4002.7	3975.0	3947.4	3936.8	3926.1	3925.3	3926.1	3936.8	3947.4	3975.0
4230.2	17.5°	4141.1	4100.0	4058.8	4045.4	4031.8	4029.6	4031.8	4045.4	4058.8	4100.0
4334.2	20°	4225.1	4172.6	4119.8	4103.0	4086.2	4080.9	4086.2	4103.0	4119.8	4172.6
4340.8	22.5°	4228.1	4172.7	4117.2	4098.6	4080.0	4072.1	4080.0	4098.6	4117.2	4172.7
4242.3	25°	4142.5	4094.4	4046.4	4028.9	4011.6	4001.3	4011.6	4028.9	4046.4	4094.4
4052.4	27.5°	3974.8	3942.6	3910.2	3902.3	3894.3	3891.7	3894.3	3902.3	3910.2	3942.6
3824.1	30°	3768.2	3751.7	3735.1	3735.1	3735.1	3737.8	3735.1	3735.1	3735.1	3751.7
3605.3	32.5°	3560.9	3550.1	3539.3	3540.7	3542.3	3544.9	3542.3	3540.7	3539.3	3550.1
3418.6	35°	3377.8	3361.3	3345.1	3341.5	3338.0	3336.2	3338.0	3341.5	3345.1	3361.3
3260.0	37.5°	3222.1	3192.2	3162.5	3146.8	3131.0	3122.2	3131.0	3146.8	3162.5	3192.2
3111.4	40°	3079.4	3035.8	2992.7	2963.3	2934.3	2917.0	2934.3	2963.3	2992.7	3035.8
2961.5	42.5°	2934.7	2880.7	2826.8	2784.1	2741.5	2713.5	2741.5	2784.1	2826.8	2880.7
2816.5	45°	2792.3	2730.5	2669.0	2618.9	2568.8	2536.6	2568.8	2618.9	2669.0	2730.5
2696.6	47.5°	2679.6	2624.7	2569.9	2523.6	2477.4	2446.4	2477.4	2523.6	2569.9	2624.7
2613.1	50°	2612.4	2568.5	2524.6	2481.8	2439.0	2409.3	2439.0	2481.8	2524.6	2568.5
2557.9	52.5°	2567.1	2531.3	2495.6	2457.2	2419.0	2391.6	2419.0	2457.2	2495.6	2531.3
2511.9	55°	2524.6	2493.5	2462.4	2428.7	2395.1	2370.4	2395.1	2428.7	2462.4	2493.5
2466.8	57.5°	2479.7	2448.2	2416.7	2383.5	2350.0	2324.4	2350.0	2383.5	2416.7	2448.2
2403.1	60°	2417.2	2386.5	2355.9	2321.5	2287.2	2260.7	2287.2	2321.5	2355.9	2386.5
2304.0	62.5°	2317.7	2289.9	2262.1	2226.0	2189.9	2158.1	2189.9	2226.0	2262.1	2289.9
2169.4	65°	2183.2	2156.5	2129.8	2094.8	2059.9	2032.5	2059.9	2094.8	2129.8	2156.5
2016.4	67.5°	2029.9	2005.3	1980.9	1948.3	1915.8	1891.0	1915.8	1948.3	1980.9	2005.3
1852.8	70°	1865.9	1845.9	1825.9	1794.8	1763.6	1735.3	1763.6	1794.8	1825.9	1845.9
1669.9	72.5°	1685.4	1668.8	1652.2	1622.5	1592.9	1565.5	1592.9	1622.5	1652.2	1668.8
1454.1	75°	1470.3	1462.2	1454.1	1429.1	1404.2	1378.0	1404.2	1429.1	1454.1	1462.2
1246.4	77.5°	1261.6	1250.3	1238.6	1213.5	1188.4	1167.5	1188.4	1213.5	1238.6	1250.3
1005.8	80°	1026.0	1021.0	1016.3	982.5	948.5	909.2	948.5	982.5	1016.3	1021.0
731.6	82.5°	765.9	763.8	761.5	733.0	704.4	679.3	704.4	733.0	761.5	763.8
444.0	85°	486.5	482.9	479.4	457.1	434.8	412.2	434.8	457.1	479.4	482.9
193.7	87.5°	210.9	206.6	202.0	190.7	179.0	168.0	179.0	190.7	202.0	206.6
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°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
4250.7	2.5°	4267.6	4284.4	4305.2	4325.9	4352.6	4379.5	4406.2	4432.9	4463.4	4494.0
3992.1	5°	4015.3	4038.5	4071.7	4104.8	4148.0	4191.0	4238.4	4285.8	4339.4	4393.1
3836.5	7.5°	3864.1	3891.7	3930.9	3970.4	4022.9	4075.6	4135.4	4195.0	4265.8	4336.5
3789.4	10°	3820.5	3851.3	3898.6	3945.6	4004.9	4064.1	4128.5	4192.7	4263.5	4334.2
3858.9	12.5°	3898.7	3938.5	3998.7	4058.8	4120.0	4181.4	4231.6	4282.2	4328.9	4376.0
4002.7	15°	4063.2	4123.7	4209.4	4295.0	4348.2	4401.5	4414.5	4427.6	4421.3	4414.9
4141.1	17.5°	4230.2	4319.4	4432.8	4546.2	4589.0	4632.0	4591.1	4550.0	4472.9	4395.8
4225.1	20°	4334.2	4443.6	4573.0	4702.7	4722.7	4742.5	4656.7	4570.9	4436.8	4302.9
4228.1	22.5°	4340.8	4453.3	4577.1	4700.9	4689.1	4677.1	4565.4	4453.8	4300.6	4147.8
4142.5	25°	4242.3	4342.4	4443.7	4545.3	4504.4	4463.4	4353.5	4243.7	4106.0	3968.6
3974.8	27.5°	4052.4	4130.1	4202.3	4274.6	4228.8	4183.2	4095.1	4007.0	3894.1	3781.1
3768.2	30°	3824.1	3879.6	3934.8	3989.8	3952.7	3915.5	3842.3	3769.2	3675.5	3581.7
3560.9	32.5°	3605.3	3649.7	3700.4	3751.0	3709.6	3668.4	3598.2	3528.1	3453.1	3378.3
3377.8	35°	3418.6	3459.7	3495.6	3531.7	3482.1	3432.6	3363.1	3293.8	3236.8	3179.7
3222.1	37.5°	3260.0	3297.6	3314.3	3330.9	3269.7	3208.5	3139.1	3070.0	3029.1	2988.1
3079.4	40°	3111.4	3143.4	3139.5	3135.4	3064.9	2994.4	2927.6	2860.7	2831.2	2801.6
2934.7	42.5°	2961.5	2988.6	2968.3	2947.9	2871.9	2795.8	2732.3	2669.0	2644.7	2620.7
2792.3	45°	2816.5	2840.9	2811.7	2782.5	2703.6	2624.7	2564.6	2504.5	2483.9	2463.8
2679.6	47.5°	2696.6	2713.5	2679.9	2646.3	2568.5	2490.7	2431.9	2373.0	2354.1	2335.0
2612.4	50°	2613.1	2614.1	2571.0	2527.8	2458.1	2388.4	2333.0	2277.5	2247.6	2217.9
2567.1	52.5°	2557.9	2548.7	2497.6	2446.4	2381.3	2316.4	2265.6	2214.7	2170.1	2125.4
2524.6	55°	2511.9	2499.1	2444.8	2390.7	2333.9	2277.0	2222.1	2167.3	2104.0	2040.5
2479.7	57.5°	2466.8	2453.9	2399.4	2344.7	2288.3	2232.0	2167.7	2103.3	2035.0	1966.7
2417.2	60°	2403.1	2388.9	2334.1	2279.3	2222.0	2164.8	2090.9	2016.9	1957.1	1897.2
2317.7	62.5°	2304.0	2290.4	2240.2	2189.9	2128.9	2067.9	1981.6	1895.4	1857.4	1819.3
2183.2	65°	2169.4	2155.4	2111.2	2067.0	2008.6	1950.2	1857.7	1765.4	1750.9	1736.2
2029.9	67.5°	2016.4	2002.8	1964.6	1926.4	1871.2	1815.8	1730.4	1645.1	1649.7	1654.3
1865.9	70°	1852.8	1839.7	1805.2	1770.7	1722.9	1675.2	1600.2	1525.2	1541.1	1557.0
1685.4	72.5°	1669.9	1654.3	1620.5	1586.7	1543.6	1500.4	1441.5	1382.4	1405.6	1428.9
1470.3	75°	1454.1	1437.8	1407.0	1376.2	1337.1	1298.0	1254.2	1210.3	1232.8	1255.1
1261.6	77.5°	1246.4	1231.2	1199.0	1166.6	1133.0	1099.4	1063.8	1028.1	1050.7	1073.4
1026.0	80°	1005.8	985.6	961.2	936.6	908.3	880.0	850.5	820.8	839.9	858.8
765.9	82.5°	731.6	697.3	645.0	592.6	602.5	612.4	614.9	617.4	630.8	644.2
486.5	85°	444.0	401.5	352.4	303.4	330.8	358.2	371.1	383.9	398.9	413.9
210.9	87.5°	193.7	176.5	155.8	135.3	156.4	177.2	177.8	178.3	181.1	184.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
4527.8	2.5°	4561.7	4603.6	4641.3	4680.2	4719.2	4759.8	4800.5	4840.9	4881.4	4919.4
4457.4	5°	4521.4	4594.8	4669.1	4747.8	4826.5	4910.7	4995.1	5078.8	5162.6	5246.7
4421.6	7.5°	4506.9	4601.9	4703.2	4813.1	4922.9	5047.6	5172.4	5300.4	5428.5	5567.0
4424.1	10°	4514.0	4616.0	4741.1	4871.3	5001.1	5152.7	5304.1	5473.3	5642.5	5817.8
4449.2	12.5°	4522.8	4617.8	4749.2	4896.2	5043.2	5221.9	5400.6	5592.3	5784.1	5976.5
4449.9	15°	4485.1	4561.2	4706.8	4876.9	5047.1	5252.8	5458.6	5666.6	5874.6	6075.4
4383.1	17.5°	4370.1	4417.0	4588.3	4792.9	4997.6	5236.4	5475.2	5702.2	5929.1	6132.7
4242.8	20°	4182.6	4195.0	4394.4	4648.0	4901.7	5191.1	5480.5	5729.9	5979.3	6191.1
4058.8	22.5°	3969.8	3945.6	4172.6	4478.1	4783.5	5135.6	5487.6	5767.4	6047.1	6263.4
3866.0	25°	3763.4	3698.0	3930.6	4288.2	4646.1	5080.7	5515.5	5835.4	6155.0	6366.7
3682.0	27.5°	3583.0	3503.4	3715.1	4114.7	4514.3	5044.1	5573.9	5941.5	6308.9	6511.1
3502.8	30°	3424.3	3361.9	3539.6	3969.7	4399.7	5027.0	5653.9	6078.9	6504.0	6699.1
3331.8	32.5°	3285.3	3257.5	3400.8	3844.6	4288.2	5005.7	5722.9	6222.4	6721.9	6915.1
3166.7	35°	3154.0	3165.5	3284.9	3721.7	4158.4	4965.7	5773.4	6385.8	6998.3	7183.5
3002.2	37.5°	3016.4	3058.5	3162.9	3577.0	3991.1	4897.3	5803.5	6568.9	7334.3	7570.3
2833.7	40°	2865.7	2930.2	3024.9	3404.3	3783.7	4803.0	5822.4	6801.4	7780.1	8124.0
2663.1	42.5°	2705.6	2787.0	2874.2	3213.8	3553.4	4705.7	5858.4	7105.4	8352.5	8848.9
2505.0	45°	2546.4	2625.1	2713.5	3011.4	3309.3	4615.3	5921.5	7505.6	9089.7	9759.2
2369.7	47.5°	2404.3	2472.1	2586.2	2851.3	3116.5	4540.7	5964.8	7931.9	9898.9	10841.4
2248.5	50°	2279.3	2358.0	2508.0	2745.0	2982.1	4459.3	5936.5	8327.4	10718.3	12139.1
2155.6	52.5°	2186.0	2296.1	2468.5	2675.0	2881.6	4321.9	5762.3	8584.3	11406.1	13502.3
2088.4	55°	2136.5	2302.3	2462.7	2624.2	2785.7	4094.0	5402.3	8527.7	11652.8	14710.8
2036.7	57.5°	2106.8	2308.5	2450.0	2564.1	2678.2	3772.8	4867.2	8129.3	11391.6	15567.3
1988.1	60°	2078.8	2289.0	2382.4	2472.1	2561.8	3355.7	4149.6	7387.9	10626.3	15781.4
1932.7	62.5°	2046.3	2241.2	2252.7	2312.2	2371.8	2856.5	3341.2	6385.5	9429.8	14880.1
1857.0	65°	1977.7	2126.3	2124.8	2153.0	2181.1	2407.3	2633.6	5362.7	8092.0	13604.9
1754.8	67.5°	1855.3	1938.8	1942.6	1927.1	1911.3	1975.7	2039.9	4360.8	6681.6	12087.3
1628.5	70°	1699.9	1727.4	1727.4	1654.7	1581.8	1563.6	1545.2	3433.5	5321.8	10431.4
1477.9	72.5°	1526.9	1526.6	1509.3	1406.1	1302.8	1247.3	1191.9	2624.9	4057.9	8636.3
1292.9	75°	1330.6	1337.3	1257.4	1141.7	1026.0	975.7	925.5	1905.1	2884.8	6578.5
1103.6	77.5°	1133.9	1137.4	1005.6	893.3	781.0	746.7	712.5	1291.0	1869.4	4604.4
884.3	80°	909.6	910.1	752.7	657.7	562.5	548.4	534.2	831.8	1129.5	2966.5
656.6	82.5°	669.0	661.6	527.1	457.1	387.0	384.2	381.7	511.6	641.8	1716.9
427.2	85°	440.5	430.7	330.8	279.5	228.2	229.6	230.8	273.5	316.3	772.3
189.3	87.5°	194.6	182.2	140.6	119.6	98.7	99.9	101.2	113.4	125.6	253.0
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°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
4957.4	2.5°	4976.2	4995.1	5021.8	5048.5	5064.5	5080.4	5088.3	5096.3	5092.8	5096.3
5330.7	5°	5396.3	5462.1	5527.2	5592.5	5627.9	5663.2	5684.6	5706.2	5722.5	5706.2
5705.7	7.5°	5812.5	5919.2	6015.3	6111.3	6169.2	6227.0	6258.3	6289.4	6304.5	6289.4
5993.1	10°	6119.4	6245.7	6358.4	6471.1	6539.4	6607.3	6637.7	6668.0	6679.5	6668.0
6169.2	12.5°	6306.1	6442.8	6544.7	6646.2	6695.8	6745.3	6761.9	6778.6	6780.3	6778.6
6276.2	15°	6394.3	6512.3	6576.2	6640.2	6642.0	6643.8	6626.1	6608.4	6587.5	6608.4
6336.3	17.5°	6416.1	6495.9	6497.1	6498.2	6426.5	6354.9	6289.3	6223.5	6177.1	6223.5
6402.7	20°	6430.4	6458.4	6374.3	6290.3	6132.2	5974.0	5858.9	5743.7	5673.0	5743.7
6479.6	22.5°	6443.2	6406.7	6232.7	6058.6	5826.0	5593.4	5449.4	5305.4	5227.2	5305.4
6578.7	25°	6463.7	6348.7	6084.4	5820.1	5537.6	5255.1	5103.7	4952.7	4878.7	4952.7
6713.1	27.5°	6507.5	6301.8	5951.8	5601.9	5288.8	4975.7	4826.7	4677.9	4608.1	4677.9
6894.4	30°	6587.9	6281.5	5850.6	5419.7	5093.5	4767.3	4629.1	4491.0	4425.9	4491.0
7108.5	32.5°	6688.7	6269.1	5781.6	5294.1	4987.5	4680.9	4572.5	4463.9	4417.0	4463.9
7368.5	35°	6854.8	6341.3	5833.2	5325.4	5112.4	4899.6	4874.3	4849.0	4845.1	4849.0
7806.3	37.5°	7202.0	6597.8	6136.1	5674.4	5660.6	5646.8	5762.5	5878.2	5938.3	5878.2
8467.9	40°	7810.7	7153.6	6810.2	6466.9	6709.2	6951.6	7232.8	7514.1	7654.2	7514.1
9345.3	42.5°	8693.2	8041.2	7843.4	7645.7	8174.2	8702.8	9214.4	9725.9	10026.3	9725.9
10428.7	45°	9843.0	9257.2	9170.0	9082.6	9929.4	10776.3	11616.9	12457.7	12968.0	12457.7
11783.7	47.5°	11214.0	10644.0	10626.3	10608.6	11830.3	13051.5	14282.2	15512.7	16235.3	15512.7
13559.8	50°	12855.9	12152.2	12155.2	12158.2	13732.6	15306.9	16931.3	18555.8	19537.9	18555.8
15598.4	52.5°	14746.2	13894.1	13807.9	13721.6	15602.2	17482.7	19492.6	21502.3	22679.5	21502.3
17768.9	55°	16926.9	16084.9	15749.0	15413.1	17506.1	19598.9	21994.9	24390.9	25791.0	24390.9
19743.1	57.5°	19284.6	18825.9	18152.1	17478.5	19591.8	21705.2	24419.1	27132.8	28869.0	27132.8
20936.2	60°	21648.4	22360.7	21524.0	20687.3	22687.3	24687.2	27592.9	30498.5	32375.0	30498.5
20330.3	62.5°	22276.3	24222.3	24128.1	24033.6	25865.7	27697.9	30462.4	33226.7	34961.2	33226.7
19117.7	65°	20944.2	22770.6	23132.0	23493.2	25821.5	28149.9	30830.6	33511.0	34987.7	33511.0
17493.0	67.5°	19230.1	20967.2	21136.6	21305.9	23731.8	26157.6	28849.7	31541.8	32698.7	31541.8
15541.0	70°	17430.4	19319.9	19395.6	19471.5	21640.9	23810.2	26127.0	28443.6	29086.6	28443.6
13214.8	72.5°	15383.0	17551.4	17605.8	17660.1	19357.4	21054.7	22789.9	24524.8	24589.9	24524.8
10272.2	75°	12516.3	14760.3	14961.8	15163.3	16483.8	17804.3	19025.8	20247.2	19920.0	20247.2
7339.3	77.5°	9434.1	11529.0	11817.4	12105.7	13109.6	14113.4	14979.7	15846.1	15283.6	15846.1
4803.5	80°	6565.9	8328.1	8686.5	9044.9	9803.1	10560.9	11015.9	11470.6	10565.8	11470.6
2792.3	82.5°	3997.1	5202.1	5602.4	6002.9	6524.7	7046.5	7236.4	7426.0	6714.9	7426.0
1228.5	85°	1868.0	2507.5	2848.0	3188.5	3617.3	4045.9	4153.6	4261.4	3691.8	4261.4
380.3	87.5°	595.2	810.2	1000.2	1190.1	1404.5	1618.9	1628.1	1637.1	1374.5	1637.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
4609.8	0°	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8	4609.8
5088.3	2.5°	5080.4	5064.5	5048.5	5021.8	4995.1	4976.2	4957.4
5684.6	5°	5663.2	5627.9	5592.5	5527.2	5462.1	5396.3	5330.7
6258.3	7.5°	6227.0	6169.2	6111.3	6015.3	5919.2	5812.5	5705.7
6637.7	10°	6607.3	6539.4	6471.1	6358.4	6245.7	6119.4	5993.1
6761.9	12.5°	6745.3	6695.8	6646.2	6544.7	6442.8	6306.1	6169.2
6626.1	15°	6643.8	6642.0	6640.2	6576.2	6512.3	6394.3	6276.2
6289.3	17.5°	6354.9	6426.5	6498.2	6497.1	6495.9	6416.1	6336.3
5858.9	20°	5974.0	6132.2	6290.3	6374.3	6458.4	6430.4	6402.7
5449.4	22.5°	5593.4	5826.0	6058.6	6232.7	6406.7	6443.2	6479.6
5103.7	25°	5255.1	5537.6	5820.1	6084.4	6348.7	6463.7	6578.7
4826.7	27.5°	4975.7	5288.8	5601.9	5951.8	6301.8	6507.5	6713.1
4629.1	30°	4767.3	5093.5	5419.7	5850.6	6281.5	6587.9	6894.4
4572.5	32.5°	4680.9	4987.5	5294.1	5781.6	6269.1	6688.7	7108.5
4874.3	35°	4899.6	5112.4	5325.4	5833.2	6341.3	6854.8	7368.5
5762.5	37.5°	5646.8	5660.6	5674.4	6136.1	6597.8	7202.0	7806.3
7232.8	40°	6951.6	6709.2	6466.9	6810.2	7153.6	7810.7	8467.9
9214.4	42.5°	8702.8	8174.2	7645.7	7843.4	8041.2	8693.2	9345.3
11616.9	45°	10776.3	9929.4	9082.6	9170.0	9257.2	9843.0	10428.7
14282.2	47.5°	13051.5	11830.3	10608.6	10626.3	10644.0	11214.0	11783.7
16931.3	50°	15306.9	13732.6	12158.2	12155.2	12152.2	12855.9	13559.8
19492.6	52.5°	17482.7	15602.2	13721.6	13807.9	13894.1	14746.2	15598.4
21994.9	55°	19598.9	17506.1	15413.1	15749.0	16084.9	16926.9	17768.9
24419.1	57.5°	21705.2	19591.8	17478.5	18152.1	18825.9	19284.6	19743.1
27592.9	60°	24687.2	22687.3	20687.3	21524.0	22360.7	21648.4	20936.2
30462.4	62.5°	27697.9	25865.7	24033.6	24128.1	24222.3	22276.3	20330.3
30830.6	65°	28149.9	25821.5	23493.2	23132.0	22770.6	20944.2	19117.7
28849.7	67.5°	26157.6	23731.8	21305.9	21136.6	20967.2	19230.1	17493.0
26127.0	70°	23810.2	21640.9	19471.5	19395.6	19319.9	17430.4	15541.0
22789.9	72.5°	21054.7	19357.4	17660.1	17605.8	17551.4	15383.0	13214.8
19025.8	75°	17804.3	16483.8	15163.3	14961.8	14760.3	12516.3	10272.2
14979.7	77.5°	14113.4	13109.6	12105.7	11817.4	11529.0	9434.1	7339.3
11015.9	80°	10560.9	9803.1	9044.9	8686.5	8328.1	6565.9	4803.5
7236.4	82.5°	7046.5	6524.7	6002.9	5602.4	5202.1	3997.1	2792.3
4153.6	85°	4045.9	3617.3	3188.5	2848.0	2507.5	1868.0	1228.5
1628.1	87.5°	1618.9	1404.5	1190.1	1000.2	810.2	595.2	380.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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