

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: P950260

Luminaire Tested: **GALN-SB4D-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950260
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-SB4D-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40637 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

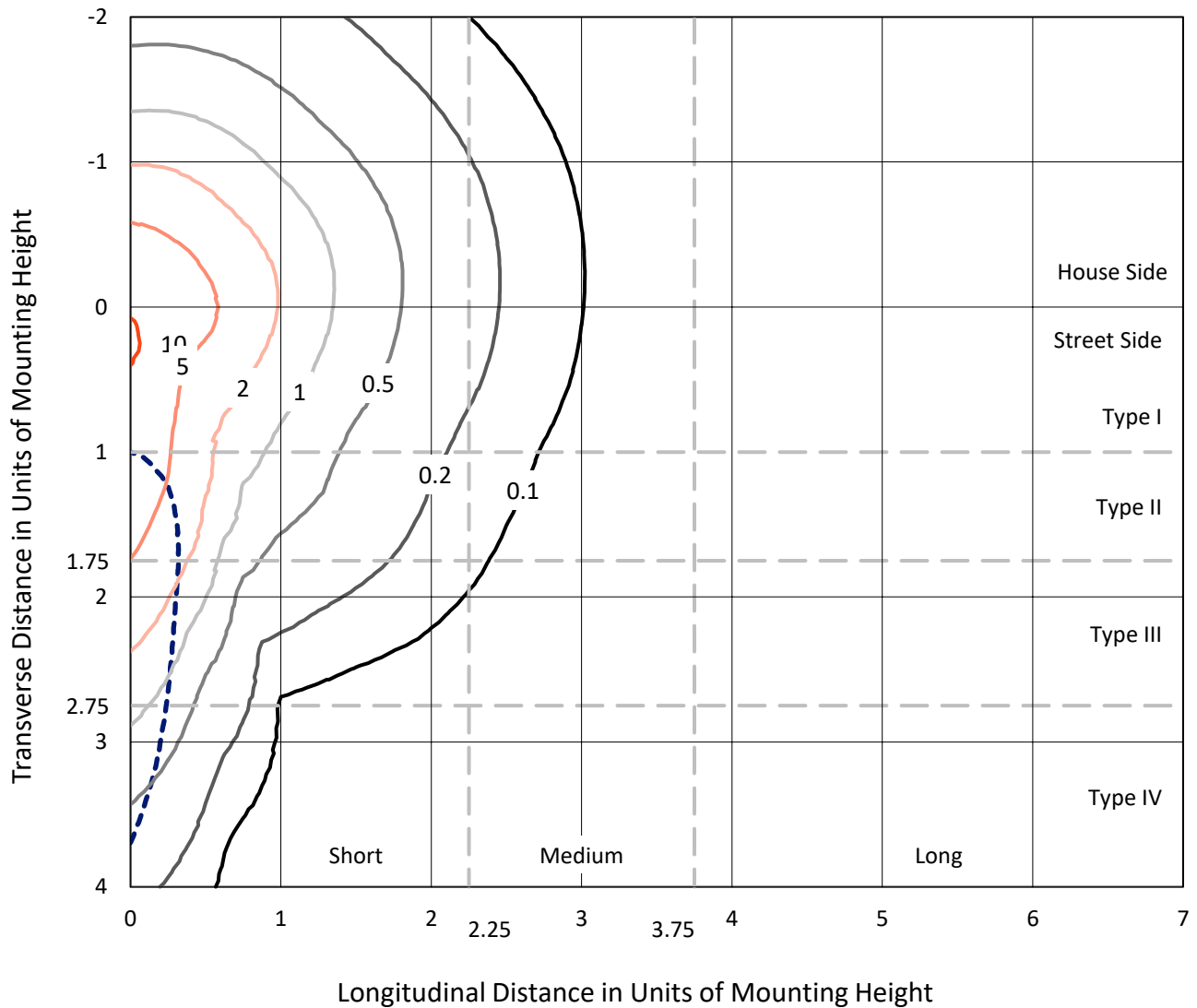
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

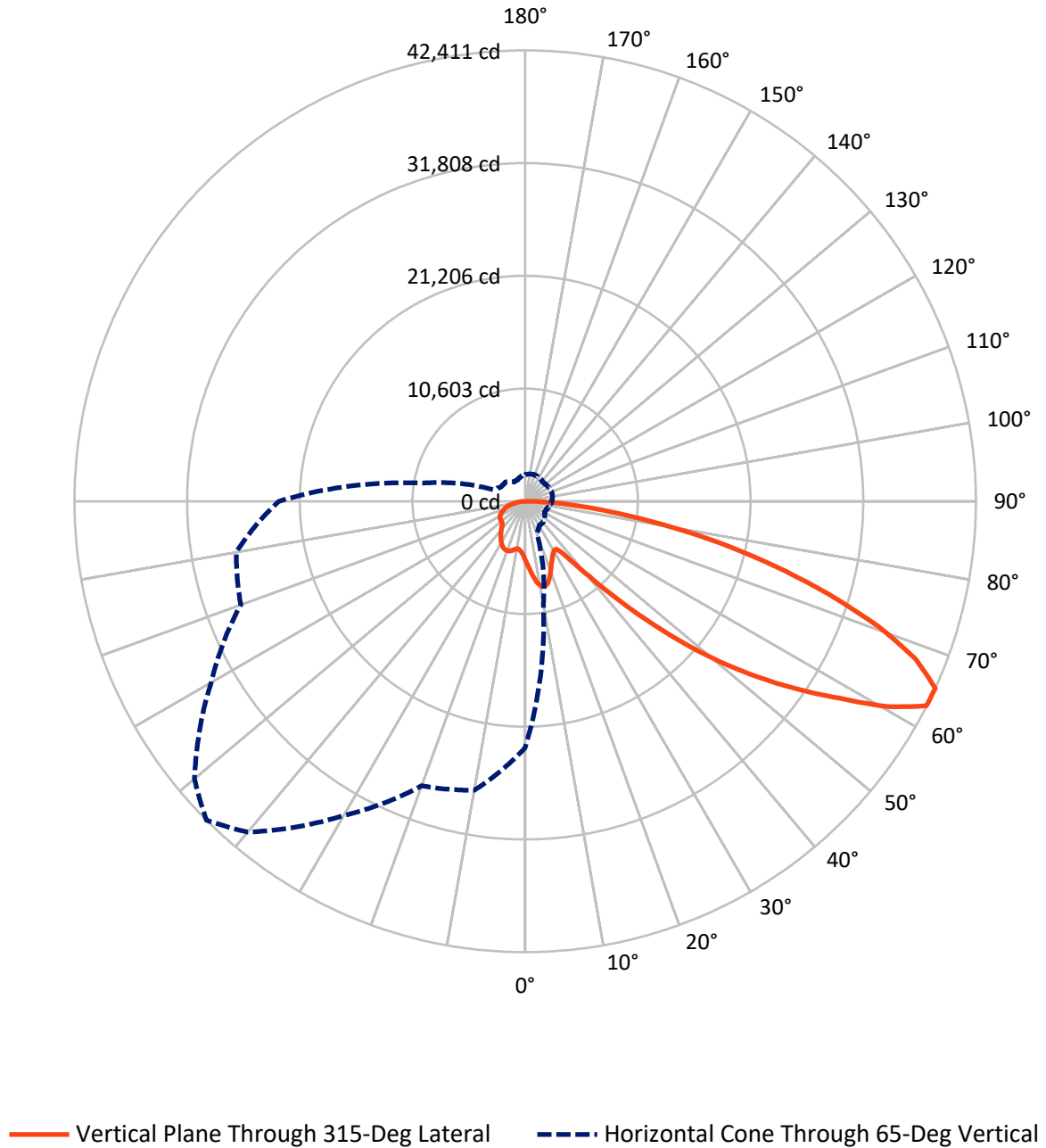
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	10327.9	0.0	10327.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	30309.1	0.0	30309.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	40637.0	0.0	40637.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.3	1.4
10°-20°	1740.1	4.3
20°-30°	2687.9	6.6
30°-40°	3406.2	8.4
40°-50°	5137.5	12.6
50°-60°	8300.3	20.4
60°-70°	10347.7	25.5
70°-80°	6785.5	16.7
80°-90°	1677.5	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°	40637.0	100.0
0°-180°	40637.0	100.0



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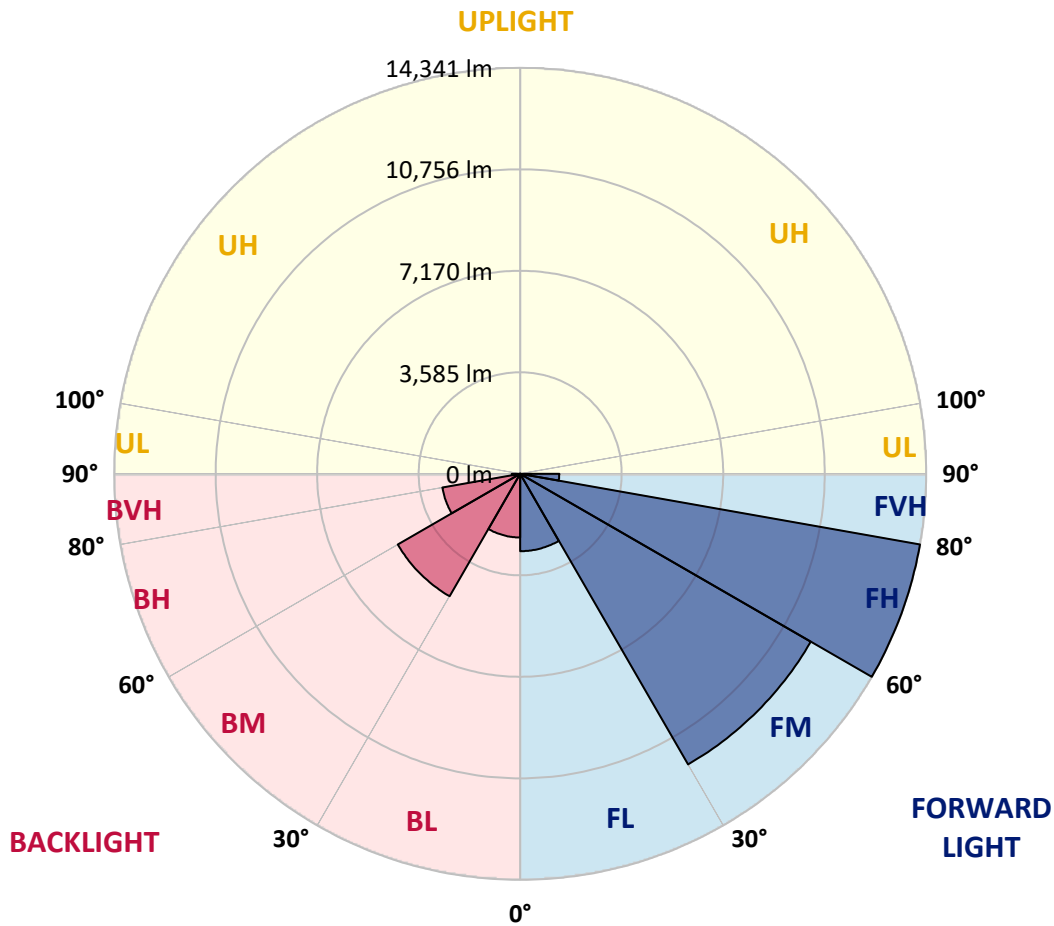
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2733.3	6.7			
FM (30°-60°)	11852.9	29.2			
FH (60°-80°)	14341.0	35.3			G5
FVH (80°-90°)	1381.9	3.4			G5
BL (0°-30°)	2249.0	5.5	B3/2500		
BM (30°-60°)	4991.1	12.3	B3/5000		
BH (60°-80°)	2792.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	295.6	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°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
2.5°	6009.3	5963.2	5917.1	5868.0	5819.1	5769.8	5720.5	5673.3	5626.1	5580.4
5°	6461.7	6359.9	6258.0	6156.4	6055.0	5952.7	5850.6	5755.2	5659.8	5569.7
7.5°	6916.3	6748.2	6580.3	6425.1	6269.8	6118.6	5967.5	5834.3	5701.2	5578.3
10°	7264.7	7052.3	6839.8	6634.6	6429.6	6246.0	6062.2	5904.9	5747.0	5595.4
12.5°	7478.1	7244.6	7011.3	6778.9	6546.4	6329.9	6113.3	5935.1	5756.9	5597.6
15°	7607.8	7364.5	7121.1	6868.9	6616.8	6367.4	6118.0	5911.7	5705.4	5529.0
17.5°	7680.7	7433.9	7187.1	6912.0	6636.9	6347.4	6058.0	5809.9	5561.8	5354.2
20°	7761.1	7504.7	7248.0	6945.7	6643.3	6292.5	5941.7	5634.3	5326.8	5085.1
22.5°	7854.4	7592.4	7330.1	6991.1	6651.9	6225.2	5798.5	5428.2	5057.9	4782.8
25°	7974.5	7717.6	7460.9	7073.5	6685.8	6158.7	5631.9	5198.1	4764.5	4482.6
27.5°	8137.5	7892.6	7647.5	7202.1	6756.6	6114.4	5472.1	4987.8	4503.4	4246.7
30°	8357.2	8120.5	7884.0	7368.7	6853.5	6093.6	5333.2	4811.9	4290.7	4075.2
32.5°	8616.7	8382.3	8148.2	7542.6	6937.1	6067.8	5198.1	4660.3	4122.3	3948.7
35°	8931.9	8707.6	8483.1	7740.8	6998.4	6019.4	5040.7	4511.3	3981.9	3837.2
37.5°	9462.6	9176.6	8890.5	7962.7	7034.9	5936.4	4837.9	4335.9	3833.9	3707.4
40°	10264.6	9847.7	9430.9	8244.5	7057.8	5822.1	4586.6	4126.6	3666.7	3552.0
42.5°	11328.1	10726.4	10124.8	8613.1	7101.4	5704.2	4307.4	3895.7	3484.0	3378.3
45°	12641.5	11829.9	11018.3	9098.1	7177.9	5594.6	4011.5	3650.4	3289.3	3182.1
47.5°	14284.0	13141.7	11999.3	9614.9	7230.4	5504.1	3777.8	3456.3	3134.9	2996.6
50°	16436.8	14714.8	12992.5	10094.3	7196.1	5405.5	3614.8	3327.5	3040.1	2858.3
52.5°	18908.1	16367.1	13826.2	10405.7	6984.9	5238.9	3493.0	3242.5	2992.3	2783.2
55°	21539.1	17832.1	14125.3	10337.0	6548.6	4962.7	3376.8	3181.0	2985.2	2790.8
57.5°	23932.1	18870.3	13808.6	9854.2	5899.9	4573.3	3246.4	3108.1	2969.8	2798.3
60°	25378.4	19129.8	12881.0	8955.5	5030.0	4067.7	3105.3	2996.6	2887.9	2774.7
62.5°	24644.0	18037.3	11430.6	7740.3	4050.1	3462.5	2875.0	2802.8	2730.7	2716.8
65°	23174.1	16491.5	9808.9	6500.5	3192.4	2918.1	2643.9	2609.8	2575.7	2577.4
67.5°	21204.6	14651.9	8099.3	5286.0	2472.8	2394.9	2316.9	2336.0	2354.8	2350.1
70°	18838.4	12644.7	6451.0	4162.0	1873.0	1895.3	1917.4	2005.7	2093.9	2093.9
72.5°	16018.7	10468.7	4918.9	3181.9	1444.8	1511.9	1579.2	1704.5	1829.5	1850.5
75°	12451.7	7974.3	3496.9	2309.4	1121.9	1182.8	1243.7	1383.9	1524.1	1621.1
77.5°	8896.5	5581.3	2266.1	1564.9	863.7	905.1	946.7	1082.9	1219.0	1378.8
80°	5822.7	3595.9	1369.1	1008.2	647.6	664.7	681.9	797.2	912.4	1103.2
82.5°	3384.7	2081.2	777.9	620.1	462.7	465.7	469.2	554.1	639.0	802.0
85°	1489.2	936.2	383.4	331.5	279.8	278.3	276.6	338.8	401.0	522.1
87.5°	461.0	306.6	152.2	137.4	122.7	121.2	119.6	145.0	170.5	220.9
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°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
5529.6	2.5°	5488.4	5447.5	5410.4	5373.5	5341.1	5308.8	5276.2	5243.8	5218.7	5193.4
5480.7	5°	5403.1	5325.3	5260.1	5195.1	5137.6	5080.2	5028.1	4975.8	4935.7	4895.3
5463.1	7.5°	5359.8	5256.6	5170.9	5085.1	5012.8	4940.4	4876.5	4812.8	4765.0	4717.4
5471.7	10°	5362.8	5253.9	5168.1	5082.3	5004.5	4926.4	4854.6	4782.8	4725.7	4668.5
5482.4	12.5°	5393.2	5304.5	5247.4	5190.8	5129.5	5068.6	4994.2	4920.0	4847.1	4774.2
5436.8	15°	5394.1	5351.6	5359.4	5367.1	5351.2	5335.3	5270.8	5206.3	5102.5	4998.7
5297.4	17.5°	5313.0	5328.5	5422.0	5515.5	5565.2	5614.7	5562.6	5510.7	5373.3	5235.9
5070.1	20°	5143.0	5215.9	5378.2	5540.8	5644.8	5748.8	5724.7	5700.5	5543.3	5386.4
4812.1	22.5°	4920.0	5027.9	5213.1	5398.8	5534.1	5669.4	5684.0	5698.4	5548.3	5398.2
4561.9	25°	4686.3	4810.6	4977.3	5144.1	5277.2	5410.4	5460.1	5509.7	5386.6	5263.7
4343.2	27.5°	4463.3	4583.4	4720.4	4857.2	4964.0	5070.7	5126.1	5181.6	5093.9	5006.4
4150.9	30°	4246.1	4341.7	4455.3	4569.0	4657.5	4746.3	4791.3	4836.4	4769.7	4702.8
3982.3	32.5°	4038.7	4095.1	4185.8	4276.7	4361.6	4446.8	4496.7	4546.9	4485.6	4424.0
3823.2	35°	3838.7	3854.3	3923.6	3992.6	4076.7	4160.9	4221.0	4281.0	4237.3	4193.7
3656.4	37.5°	3639.2	3622.1	3671.8	3721.4	3805.2	3889.3	3963.4	4037.6	4017.5	3997.3
3473.7	40°	3434.9	3396.1	3431.9	3467.7	3548.7	3629.8	3715.1	3800.7	3805.6	3810.3
3279.6	42.5°	3228.2	3176.7	3205.9	3235.3	3312.0	3389.0	3481.2	3573.4	3598.1	3622.7
3086.7	45°	3036.5	2986.5	3011.0	3035.8	3108.7	3181.7	3277.3	3372.9	3408.3	3443.7
2914.5	47.5°	2872.4	2830.4	2853.6	2876.5	2947.9	3019.1	3113.5	3207.8	3248.6	3289.3
2762.9	50°	2725.6	2688.5	2724.5	2760.7	2828.1	2895.2	2979.7	3064.1	3116.5	3168.8
2649.9	52.5°	2613.0	2576.3	2630.6	2684.6	2746.4	2807.9	2886.6	2965.5	3027.5	3089.4
2589.8	55°	2531.5	2473.4	2550.4	2627.1	2693.6	2760.1	2829.1	2898.0	2963.6	3029.4
2553.8	57.5°	2468.9	2384.0	2466.8	2549.5	2627.6	2705.6	2773.8	2842.2	2908.5	2974.5
2519.9	60°	2409.9	2299.7	2372.4	2444.9	2534.5	2624.1	2693.4	2762.9	2829.3	2895.8
2480.5	62.5°	2342.8	2205.4	2251.5	2297.6	2402.0	2506.6	2580.6	2654.6	2715.5	2776.4
2397.3	65°	2251.0	2104.6	2122.4	2140.0	2251.9	2364.0	2434.8	2505.6	2559.2	2612.8
2248.9	67.5°	2127.1	2005.3	1999.7	1994.2	2097.5	2201.1	2268.2	2335.1	2381.4	2427.7
2060.6	70°	1974.0	1887.4	1868.1	1848.8	1939.7	2030.6	2088.5	2146.4	2188.2	2230.0
1850.9	72.5°	1791.5	1732.1	1703.8	1675.7	1747.4	1818.8	1871.1	1923.4	1964.4	2005.3
1612.9	75°	1567.2	1521.4	1494.3	1467.1	1520.3	1573.5	1620.8	1668.2	1705.5	1742.9
1374.5	77.5°	1337.8	1301.1	1273.7	1246.2	1289.6	1332.7	1373.4	1414.1	1453.4	1492.4
1102.6	80°	1071.9	1041.0	1018.1	994.9	1031.0	1066.8	1101.1	1135.4	1165.2	1194.8
811.0	82.5°	795.9	780.9	764.6	748.3	745.3	742.3	730.3	718.3	781.8	845.3
533.9	85°	517.8	501.8	483.5	465.3	449.9	434.2	401.0	367.7	427.1	486.7
235.9	87.5°	229.4	223.0	219.6	216.1	215.5	214.9	189.6	164.0	188.9	214.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
5173.0	2.5°	5152.7	5136.8	5120.9	5106.3	5091.5	5073.3	5091.5	5106.3	5120.9	5136.8
4867.3	5°	4839.2	4819.2	4799.3	4784.1	4768.8	4753.8	4768.8	4784.1	4799.3	4819.2
4683.9	7.5°	4650.5	4627.5	4604.8	4591.1	4577.6	4567.3	4577.6	4591.1	4604.8	4627.5
4631.2	10°	4593.4	4571.8	4550.1	4538.5	4527.0	4522.2	4527.0	4538.5	4550.1	4571.8
4725.9	12.5°	4677.7	4653.5	4629.5	4619.6	4609.7	4608.0	4609.7	4619.6	4629.5	4653.5
4925.4	15°	4852.0	4818.4	4784.9	4772.0	4759.2	4758.1	4759.2	4772.0	4784.9	4818.4
5127.8	17.5°	5019.7	4970.0	4920.0	4903.7	4887.2	4884.6	4887.2	4903.7	4920.0	4970.0
5253.9	20°	5121.6	5057.9	4994.0	4973.6	4953.2	4946.8	4953.2	4973.6	4994.0	5057.9
5261.8	22.5°	5125.2	5058.1	4990.8	4968.2	4945.7	4936.1	4945.7	4968.2	4990.8	5058.1
5142.4	25°	5021.4	4963.1	4905.0	4883.8	4862.7	4850.3	4862.7	4883.8	4905.0	4963.1
4912.3	27.5°	4818.1	4779.1	4739.9	4730.2	4720.6	4717.4	4720.6	4730.2	4739.9	4779.1
4635.5	30°	4567.7	4547.8	4527.6	4527.6	4527.6	4530.8	4527.6	4527.6	4527.6	4547.8
4370.2	32.5°	4316.4	4303.3	4290.2	4291.9	4293.9	4297.1	4293.9	4291.9	4290.2	4303.3
4144.0	35°	4094.5	4074.5	4054.8	4050.5	4046.2	4044.1	4046.2	4050.5	4054.8	4074.5
3951.7	37.5°	3905.8	3869.5	3833.5	3814.4	3795.3	3784.6	3795.3	3814.4	3833.5	3869.5
3771.5	40°	3732.7	3680.0	3627.7	3592.1	3556.9	3535.9	3556.9	3592.1	3627.7	3680.0
3589.9	42.5°	3557.3	3491.9	3426.5	3374.8	3323.2	3289.3	3323.2	3374.8	3426.5	3491.9
3414.1	45°	3384.7	3309.9	3235.3	3174.6	3113.9	3074.9	3113.9	3174.6	3235.3	3309.9
3268.7	47.5°	3248.1	3181.7	3115.2	3059.0	3003.0	2965.5	3003.0	3059.0	3115.2	3181.7
3167.5	50°	3166.6	3113.5	3060.3	3008.4	2956.5	2920.5	2956.5	3008.4	3060.3	3113.5
3100.6	52.5°	3111.7	3068.4	3025.1	2978.6	2932.3	2899.0	2932.3	2978.6	3025.1	3068.4
3044.8	55°	3060.3	3022.5	2984.8	2944.1	2903.3	2873.3	2903.3	2944.1	2984.8	3022.5
2990.2	57.5°	3005.8	2967.7	2929.5	2889.2	2848.6	2817.6	2848.6	2889.2	2929.5	2967.7
2913.0	60°	2930.1	2892.8	2855.7	2814.1	2772.5	2740.4	2772.5	2814.1	2855.7	2892.8
2792.9	62.5°	2809.4	2775.7	2742.1	2698.3	2654.6	2616.0	2654.6	2698.3	2742.1	2775.7
2629.7	65°	2646.4	2614.1	2581.7	2539.2	2497.0	2463.8	2497.0	2539.2	2581.7	2614.1
2444.2	67.5°	2460.5	2430.7	2401.1	2361.7	2322.2	2292.2	2322.2	2361.7	2401.1	2430.7
2245.9	70°	2261.8	2237.5	2213.3	2175.6	2137.8	2103.5	2137.8	2175.6	2213.3	2237.5
2024.2	72.5°	2043.0	2022.9	2002.7	1966.7	1930.9	1897.7	1930.9	1966.7	2002.7	2022.9
1762.6	75°	1782.3	1772.4	1762.6	1732.3	1702.1	1670.4	1702.1	1732.3	1762.6	1772.4
1510.8	77.5°	1529.3	1515.6	1501.4	1471.0	1440.5	1415.2	1440.5	1471.0	1501.4	1515.6
1219.2	80°	1243.7	1237.7	1231.9	1190.9	1149.8	1102.1	1149.8	1190.9	1231.9	1237.7
886.9	82.5°	928.5	925.9	923.1	888.6	853.8	823.4	853.8	888.6	923.1	925.9
538.2	85°	589.7	585.4	581.1	554.1	527.1	499.6	527.1	554.1	581.1	585.4
234.8	87.5°	255.6	250.4	244.9	231.2	217.0	203.7	217.0	231.2	244.9	250.4
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°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
5152.7	2.5°	5173.0	5193.4	5218.7	5243.8	5276.2	5308.8	5341.1	5373.5	5410.4	5447.5
4839.2	5°	4867.3	4895.3	4935.7	4975.8	5028.1	5080.2	5137.6	5195.1	5260.1	5325.3
4650.5	7.5°	4683.9	4717.4	4765.0	4812.8	4876.5	4940.4	5012.8	5085.1	5170.9	5256.6
4593.4	10°	4631.2	4668.5	4725.7	4782.8	4854.6	4926.4	5004.5	5082.3	5168.1	5253.9
4677.7	12.5°	4725.9	4774.2	4847.1	4920.0	4994.2	5068.6	5129.5	5190.8	5247.4	5304.5
4852.0	15°	4925.4	4998.7	5102.5	5206.3	5270.8	5335.3	5351.2	5367.1	5359.4	5351.6
5019.7	17.5°	5127.8	5235.9	5373.3	5510.7	5562.6	5614.7	5565.2	5515.5	5422.0	5328.5
5121.6	20°	5253.9	5386.4	5543.3	5700.5	5724.7	5748.8	5644.8	5540.8	5378.2	5215.9
5125.2	22.5°	5261.8	5398.2	5548.3	5698.4	5684.0	5669.4	5534.1	5398.8	5213.1	5027.9
5021.4	25°	5142.4	5263.7	5386.6	5509.7	5460.1	5410.4	5277.2	5144.1	4977.3	4810.6
4818.1	27.5°	4912.3	5006.4	5093.9	5181.6	5126.1	5070.7	4964.0	4857.2	4720.4	4583.4
4567.7	30°	4635.5	4702.8	4769.7	4836.4	4791.3	4746.3	4657.5	4569.0	4455.3	4341.7
4316.4	32.5°	4370.2	4424.0	4485.6	4546.9	4496.7	4446.8	4361.6	4276.7	4185.8	4095.1
4094.5	35°	4144.0	4193.7	4237.3	4281.0	4221.0	4160.9	4076.7	3992.6	3923.6	3854.3
3905.8	37.5°	3951.7	3997.3	4017.5	4037.6	3963.4	3889.3	3805.2	3721.4	3671.8	3622.1
3732.7	40°	3771.5	3810.3	3805.6	3800.7	3715.1	3629.8	3548.7	3467.7	3431.9	3396.1
3557.3	42.5°	3589.9	3622.7	3598.1	3573.4	3481.2	3389.0	3312.0	3235.3	3205.9	3176.7
3384.7	45°	3414.1	3443.7	3408.3	3372.9	3277.3	3181.7	3108.7	3035.8	3011.0	2986.5
3248.1	47.5°	3268.7	3289.3	3248.6	3207.8	3113.5	3019.1	2947.9	2876.5	2853.6	2830.4
3166.6	50°	3167.5	3168.8	3116.5	3064.1	2979.7	2895.2	2828.1	2760.7	2724.5	2688.5
3111.7	52.5°	3100.6	3089.4	3027.5	2965.5	2886.6	2807.9	2746.4	2684.6	2630.6	2576.3
3060.3	55°	3044.8	3029.4	2963.6	2898.0	2829.1	2760.1	2693.6	2627.1	2550.4	2473.4
3005.8	57.5°	2990.2	2974.5	2908.5	2842.2	2773.8	2705.6	2627.6	2549.5	2466.8	2384.0
2930.1	60°	2913.0	2895.8	2829.3	2762.9	2693.4	2624.1	2534.5	2444.9	2372.4	2299.7
2809.4	62.5°	2792.9	2776.4	2715.5	2654.6	2580.6	2506.6	2402.0	2297.6	2251.5	2205.4
2646.4	65°	2629.7	2612.8	2559.2	2505.6	2434.8	2364.0	2251.9	2140.0	2122.4	2104.6
2460.5	67.5°	2444.2	2427.7	2381.4	2335.1	2268.2	2201.1	2097.5	1994.2	1999.7	2005.3
2261.8	70°	2245.9	2230.0	2188.2	2146.4	2088.5	2030.6	1939.7	1848.8	1868.1	1887.4
2043.0	72.5°	2024.2	2005.3	1964.4	1923.4	1871.1	1818.8	1747.4	1675.7	1703.8	1732.1
1782.3	75°	1762.6	1742.9	1705.5	1668.2	1620.8	1573.5	1520.3	1467.1	1494.3	1521.4
1529.3	77.5°	1510.8	1492.4	1453.4	1414.1	1373.4	1332.7	1289.6	1246.2	1273.7	1301.1
1243.7	80°	1219.2	1194.8	1165.2	1135.4	1101.1	1066.8	1031.0	994.9	1018.1	1041.0
928.5	82.5°	886.9	845.3	781.8	718.3	730.3	742.3	745.3	748.3	764.6	780.9
589.7	85°	538.2	486.7	427.1	367.7	401.0	434.2	449.9	465.3	483.5	501.8
255.6	87.5°	234.8	214.0	188.9	164.0	189.6	214.9	215.5	216.1	219.6	223.0
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°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
5488.4	2.5°	5529.6	5580.4	5626.1	5673.3	5720.5	5769.8	5819.1	5868.0	5917.1	5963.2
5403.1	5°	5480.7	5569.7	5659.8	5755.2	5850.6	5952.7	6055.0	6156.4	6258.0	6359.9
5359.8	7.5°	5463.1	5578.3	5701.2	5834.3	5967.5	6118.6	6269.8	6425.1	6580.3	6748.2
5362.8	10°	5471.7	5595.4	5747.0	5904.9	6062.2	6246.0	6429.6	6634.6	6839.8	7052.3
5393.2	12.5°	5482.4	5597.6	5756.9	5935.1	6113.3	6329.9	6546.4	6778.9	7011.3	7244.6
5394.1	15°	5436.8	5529.0	5705.4	5911.7	6118.0	6367.4	6616.8	6868.9	7121.1	7364.5
5313.0	17.5°	5297.4	5354.2	5561.8	5809.9	6058.0	6347.4	6636.9	6912.0	7187.1	7433.9
5143.0	20°	5070.1	5085.1	5326.8	5634.3	5941.7	6292.5	6643.3	6945.7	7248.0	7504.7
4920.0	22.5°	4812.1	4782.8	5057.9	5428.2	5798.5	6225.2	6651.9	6991.1	7330.1	7592.4
4686.3	25°	4561.9	4482.6	4764.5	5198.1	5631.9	6158.7	6685.8	7073.5	7460.9	7717.6
4463.3	27.5°	4343.2	4246.7	4503.4	4987.8	5472.1	6114.4	6756.6	7202.1	7647.5	7892.6
4246.1	30°	4150.9	4075.2	4290.7	4811.9	5333.2	6093.6	6853.5	7368.7	7884.0	8120.5
4038.7	32.5°	3982.3	3948.7	4122.3	4660.3	5198.1	6067.8	6937.1	7542.6	8148.2	8382.3
3838.7	35°	3823.2	3837.2	3981.9	4511.3	5040.7	6019.4	6998.4	7740.8	8483.1	8707.6
3639.2	37.5°	3656.4	3707.4	3833.9	4335.9	4837.9	5936.4	7034.9	7962.7	8890.5	9176.6
3434.9	40°	3473.7	3552.0	3666.7	4126.6	4586.6	5822.1	7057.8	8244.5	9430.9	9847.7
3228.2	42.5°	3279.6	3378.3	3484.0	3895.7	4307.4	5704.2	7101.4	8613.1	10124.8	10726.4
3036.5	45°	3086.7	3182.1	3289.3	3650.4	4011.5	5594.6	7177.9	9098.1	11018.3	11829.9
2872.4	47.5°	2914.5	2996.6	3134.9	3456.3	3777.8	5504.1	7230.4	9614.9	11999.3	13141.7
2725.6	50°	2762.9	2858.3	3040.1	3327.5	3614.8	5405.5	7196.1	10094.3	12992.5	14714.8
2613.0	52.5°	2649.9	2783.2	2992.3	3242.5	3493.0	5238.9	6984.9	10405.7	13826.2	16367.1
2531.5	55°	2589.8	2790.8	2985.2	3181.0	3376.8	4962.7	6548.6	10337.0	14125.3	17832.1
2468.9	57.5°	2553.8	2798.3	2969.8	3108.1	3246.4	4573.3	5899.9	9854.2	13808.6	18870.3
2409.9	60°	2519.9	2774.7	2887.9	2996.6	3105.3	4067.7	5030.0	8955.5	12881.0	19129.8
2342.8	62.5°	2480.5	2716.8	2730.7	2802.8	2875.0	3462.5	4050.1	7740.3	11430.6	18037.3
2251.0	65°	2397.3	2577.4	2575.7	2609.8	2643.9	2918.1	3192.4	6500.5	9808.9	16491.5
2127.1	67.5°	2248.9	2350.1	2354.8	2336.0	2316.9	2394.9	2472.8	5286.0	8099.3	14651.9
1974.0	70°	2060.6	2093.9	2093.9	2005.7	1917.4	1895.3	1873.0	4162.0	6451.0	12644.7
1791.5	72.5°	1850.9	1850.5	1829.5	1704.5	1579.2	1511.9	1444.8	3181.9	4918.9	10468.7
1567.2	75°	1612.9	1621.1	1524.1	1383.9	1243.7	1182.8	1121.9	2309.4	3496.9	7974.3
1337.8	77.5°	1374.5	1378.8	1219.0	1082.9	946.7	905.1	863.7	1564.9	2266.1	5581.3
1071.9	80°	1102.6	1103.2	912.4	797.2	681.9	664.7	647.6	1008.2	1369.1	3595.9
795.9	82.5°	811.0	802.0	639.0	554.1	469.2	465.7	462.7	620.1	777.9	2081.2
517.8	85°	533.9	522.1	401.0	338.8	276.6	278.3	279.8	331.5	383.4	936.2
229.4	87.5°	235.9	220.9	170.5	145.0	119.6	121.2	122.7	137.4	152.2	306.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
6009.3	2.5°	6032.0	6055.0	6087.3	6119.7	6139.0	6158.3	6168.0	6177.6	6173.3	6177.6
6461.7	5°	6541.3	6621.0	6699.9	6779.1	6822.0	6864.8	6890.8	6916.9	6936.7	6916.9
6916.3	7.5°	7045.8	7175.1	7291.6	7408.0	7478.1	7548.2	7586.2	7623.9	7642.1	7623.9
7264.7	10°	7417.8	7570.9	7707.5	7844.1	7926.9	8009.2	8046.1	8082.8	8096.7	8082.8
7478.1	12.5°	7644.1	7809.8	7933.3	8056.4	8116.4	8176.5	8196.6	8216.8	8218.9	8216.8
7607.8	15°	7751.1	7894.1	7971.5	8049.1	8051.3	8053.4	8032.0	8010.5	7985.2	8010.5
7680.7	17.5°	7777.4	7874.1	7875.6	7876.9	7790.1	7703.2	7623.7	7543.9	7487.8	7543.9
7761.1	20°	7794.8	7828.7	7726.8	7625.0	7433.3	7241.6	7102.0	6962.4	6876.6	6962.4
7854.4	22.5°	7810.2	7766.1	7555.1	7344.1	7062.1	6780.1	6605.6	6431.1	6336.3	6431.1
7974.5	25°	7835.1	7695.7	7375.4	7055.0	6712.6	6370.2	6186.6	6003.5	5913.9	6003.5
8137.5	27.5°	7888.3	7638.9	7214.6	6790.4	6410.9	6031.4	5850.8	5670.5	5585.8	5670.5
8357.2	30°	7985.6	7614.3	7091.9	6569.6	6174.2	5778.8	5611.3	5443.8	5364.9	5443.8
8616.7	32.5°	8107.9	7599.3	7008.3	6417.3	6045.7	5674.1	5542.7	5411.0	5354.2	5411.0
8931.9	35°	8309.2	7686.7	7070.9	6455.3	6197.1	5939.2	5908.5	5877.8	5873.1	5877.8
9462.6	37.5°	8730.1	7997.7	7438.0	6878.4	6861.6	6844.9	6985.1	7125.4	7198.3	7125.4
10264.6	40°	9468.0	8671.4	8255.2	7839.0	8132.7	8426.5	8767.4	9108.4	9278.2	9108.4
11328.1	42.5°	10537.7	9747.4	9507.6	9267.9	9908.6	10549.3	11169.4	11789.6	12153.7	11789.6
12641.5	45°	11931.5	11221.3	11115.6	11009.7	12036.2	13062.8	14081.8	15100.9	15719.6	15100.9
14284.0	47.5°	13593.3	12902.4	12881.0	12859.5	14340.4	15820.8	17312.5	18804.1	19680.0	18804.1
16436.8	50°	15583.6	14730.6	14734.3	14737.9	16646.3	18554.7	20523.8	22492.8	23683.3	22492.8
18908.1	52.5°	17875.0	16842.1	16737.7	16633.0	18912.6	21192.1	23628.4	26064.5	27491.5	26064.5
21539.1	55°	20518.4	19497.7	19090.5	18683.4	21220.4	23757.3	26661.7	29566.1	31263.3	29566.1
23932.1	57.5°	23376.3	22820.3	22003.5	21187.0	23748.7	26310.5	29600.2	32889.7	34994.3	32889.7
25378.4	60°	26241.6	27105.1	26090.9	25076.7	27501.0	29925.3	33447.4	36969.6	39244.2	36969.6
24644.0	62.5°	27002.9	29361.8	29247.5	29133.0	31353.8	33574.8	36925.8	40276.7	42379.1	40276.7
23174.1	65°	25388.0	27602.0	28040.0	28477.9	31300.2	34122.7	37372.1	40621.3	42411.3	40621.3
21204.6	67.5°	23310.2	25415.9	25621.3	25826.5	28767.2	31707.6	34970.9	38234.3	39636.6	38234.3
18838.4	70°	21128.7	23419.2	23510.9	23602.9	26232.6	28862.1	31670.5	34478.6	35258.0	34478.6
16018.7	72.5°	18646.9	21275.3	21341.4	21407.2	23464.6	25522.0	27625.3	29728.4	29807.3	29728.4
12451.7	75°	15171.9	17892.1	18136.4	18380.6	19981.3	21582.0	23062.6	24543.2	24146.5	24543.2
8896.5	77.5°	11435.8	13975.2	14324.7	14674.2	15891.1	17108.0	18158.0	19208.3	18526.4	19208.3
5822.7	80°	7959.1	10095.2	10529.6	10964.0	11883.1	12801.7	13353.2	13904.4	12807.7	13904.4
3384.7	82.5°	4845.2	6305.8	6791.1	7276.5	7909.1	8541.7	8771.7	9001.6	8139.6	9001.6
1489.2	85°	2264.3	3039.5	3452.3	3865.0	4384.8	4904.3	5034.9	5165.5	4475.1	5165.5
461.0	87.5°	721.5	982.1	1212.4	1442.7	1702.5	1962.4	1973.6	1984.5	1666.1	1984.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
5587.9	0°	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9	5587.9
6168.0	2.5°	6158.3	6139.0	6119.7	6087.3	6055.0	6032.0	6009.3
6890.8	5°	6864.8	6822.0	6779.1	6699.9	6621.0	6541.3	6461.7
7586.2	7.5°	7548.2	7478.1	7408.0	7291.6	7175.1	7045.8	6916.3
8046.1	10°	8009.2	7926.9	7844.1	7707.5	7570.9	7417.8	7264.7
8196.6	12.5°	8176.5	8116.4	8056.4	7933.3	7809.8	7644.1	7478.1
8032.0	15°	8053.4	8051.3	8049.1	7971.5	7894.1	7751.1	7607.8
7623.7	17.5°	7703.2	7790.1	7876.9	7875.6	7874.1	7777.4	7680.7
7102.0	20°	7241.6	7433.3	7625.0	7726.8	7828.7	7794.8	7761.1
6605.6	22.5°	6780.1	7062.1	7344.1	7555.1	7766.1	7810.2	7854.4
6186.6	25°	6370.2	6712.6	7055.0	7375.4	7695.7	7835.1	7974.5
5850.8	27.5°	6031.4	6410.9	6790.4	7214.6	7638.9	7888.3	8137.5
5611.3	30°	5778.8	6174.2	6569.6	7091.9	7614.3	7985.6	8357.2
5542.7	32.5°	5674.1	6045.7	6417.3	7008.3	7599.3	8107.9	8616.7
5908.5	35°	5939.2	6197.1	6455.3	7070.9	7686.7	8309.2	8931.9
6985.1	37.5°	6844.9	6861.6	6878.4	7438.0	7997.7	8730.1	9462.6
8767.4	40°	8426.5	8132.7	7839.0	8255.2	8671.4	9468.0	10264.6
11169.4	42.5°	10549.3	9908.6	9267.9	9507.6	9747.4	10537.7	11328.1
14081.8	45°	13062.8	12036.2	11009.7	11115.6	11221.3	11931.5	12641.5
17312.5	47.5°	15820.8	14340.4	12859.5	12881.0	12902.4	13593.3	14284.0
20523.8	50°	18554.7	16646.3	14737.9	14734.3	14730.6	15583.6	16436.8
23628.4	52.5°	21192.1	18912.6	16633.0	16737.7	16842.1	17875.0	18908.1
26661.7	55°	23757.3	21220.4	18683.4	19090.5	19497.7	20518.4	21539.1
29600.2	57.5°	26310.5	23748.7	21187.0	22003.5	22820.3	23376.3	23932.1
33447.4	60°	29925.3	27501.0	25076.7	26090.9	27105.1	26241.6	25378.4
36925.8	62.5°	33574.8	31353.8	29133.0	29247.5	29361.8	27002.9	24644.0
37372.1	65°	34122.7	31300.2	28477.9	28040.0	27602.0	25388.0	23174.1
34970.9	67.5°	31707.6	28767.2	25826.5	25621.3	25415.9	23310.2	21204.6
31670.5	70°	28862.1	26232.6	23602.9	23510.9	23419.2	21128.7	18838.4
27625.3	72.5°	25522.0	23464.6	21407.2	21341.4	21275.3	18646.9	16018.7
23062.6	75°	21582.0	19981.3	18380.6	18136.4	17892.1	15171.9	12451.7
18158.0	77.5°	17108.0	15891.1	14674.2	14324.7	13975.2	11435.8	8896.5
13353.2	80°	12801.7	11883.1	10964.0	10529.6	10095.2	7959.1	5822.7
8771.7	82.5°	8541.7	7909.1	7276.5	6791.1	6305.8	4845.2	3384.7
5034.9	85°	4904.3	4384.8	3865.0	3452.3	3039.5	2264.3	1489.2
1973.6	87.5°	1962.4	1702.5	1442.7	1212.4	982.1	721.5	461.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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