

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: P956476

Luminaire Tested: **GALN-SB9A-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956476
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-SB9A-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38942 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

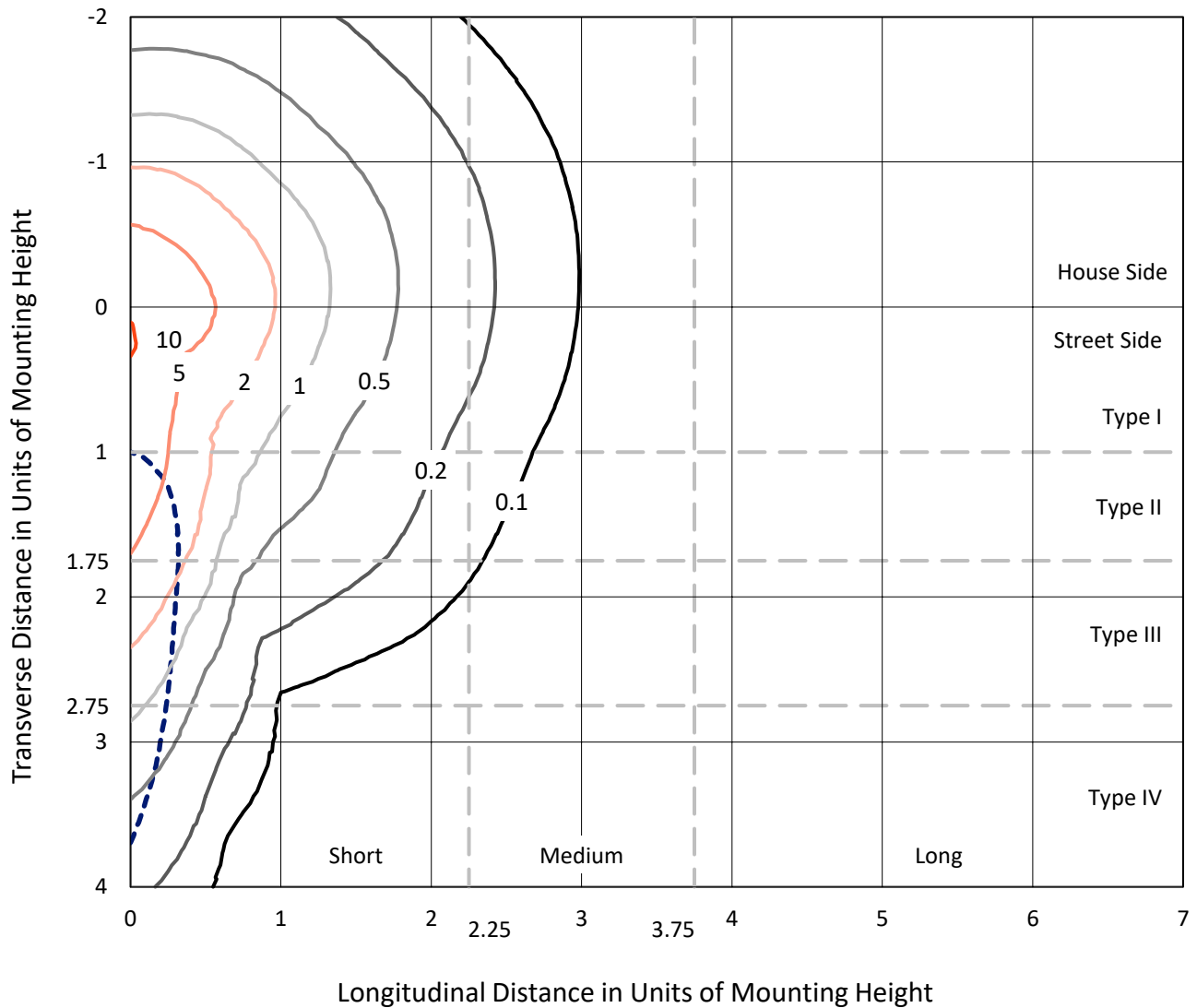
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

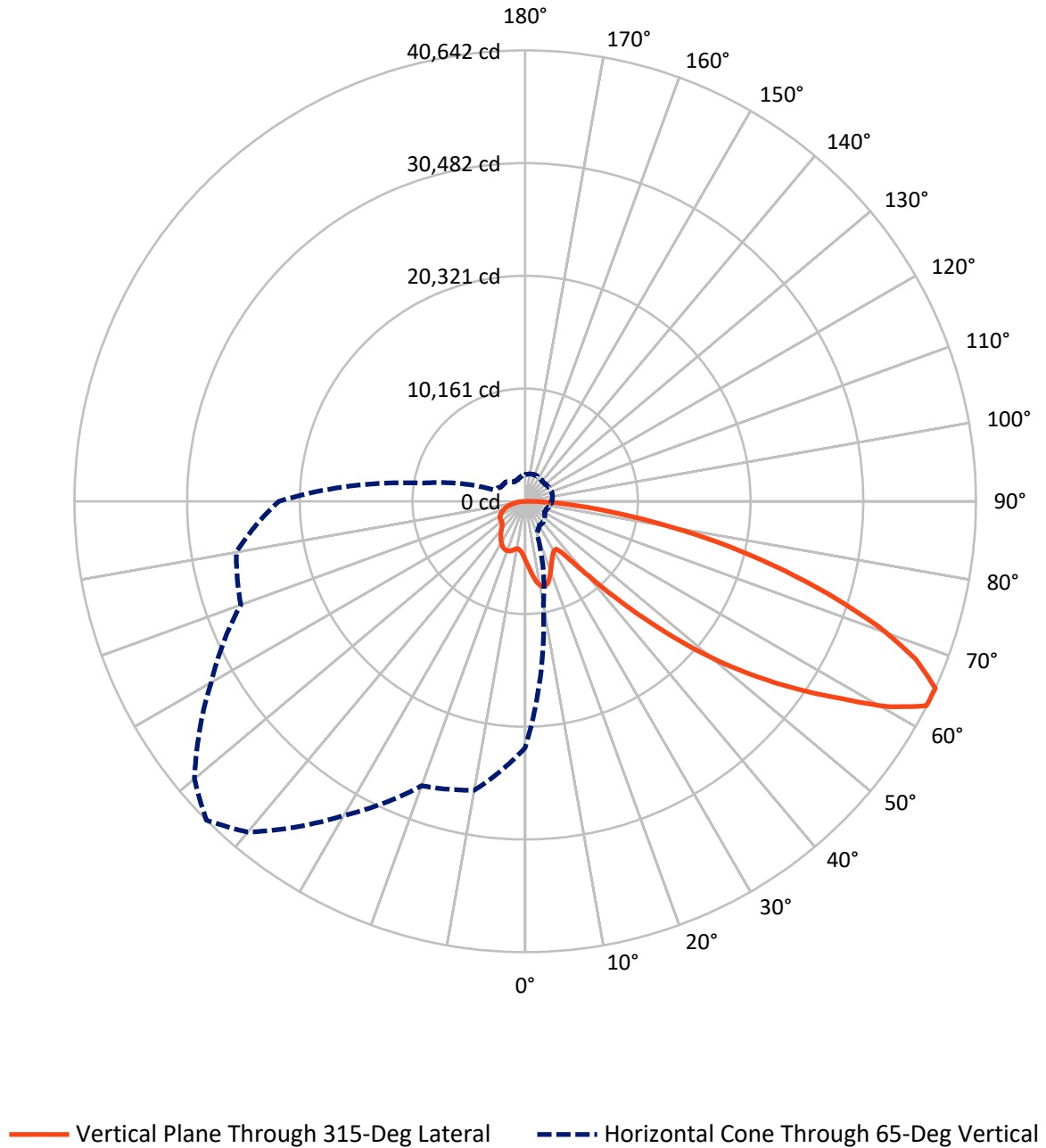
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	9897.1	0.0	9897.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	29044.9	0.0	29044.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	38942.0	0.0	38942.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.2	1.4
10°-20°	1667.5	4.3
20°-30°	2575.8	6.6
30°-40°	3264.1	8.4
40°-50°	4923.2	12.6
50°-60°	7954.1	20.4
60°-70°	9916.1	25.5
70°-80°	6502.5	16.7
80°-90°	1607.6	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°	38942.0	100.0
0°-180°	38942.0	100.0



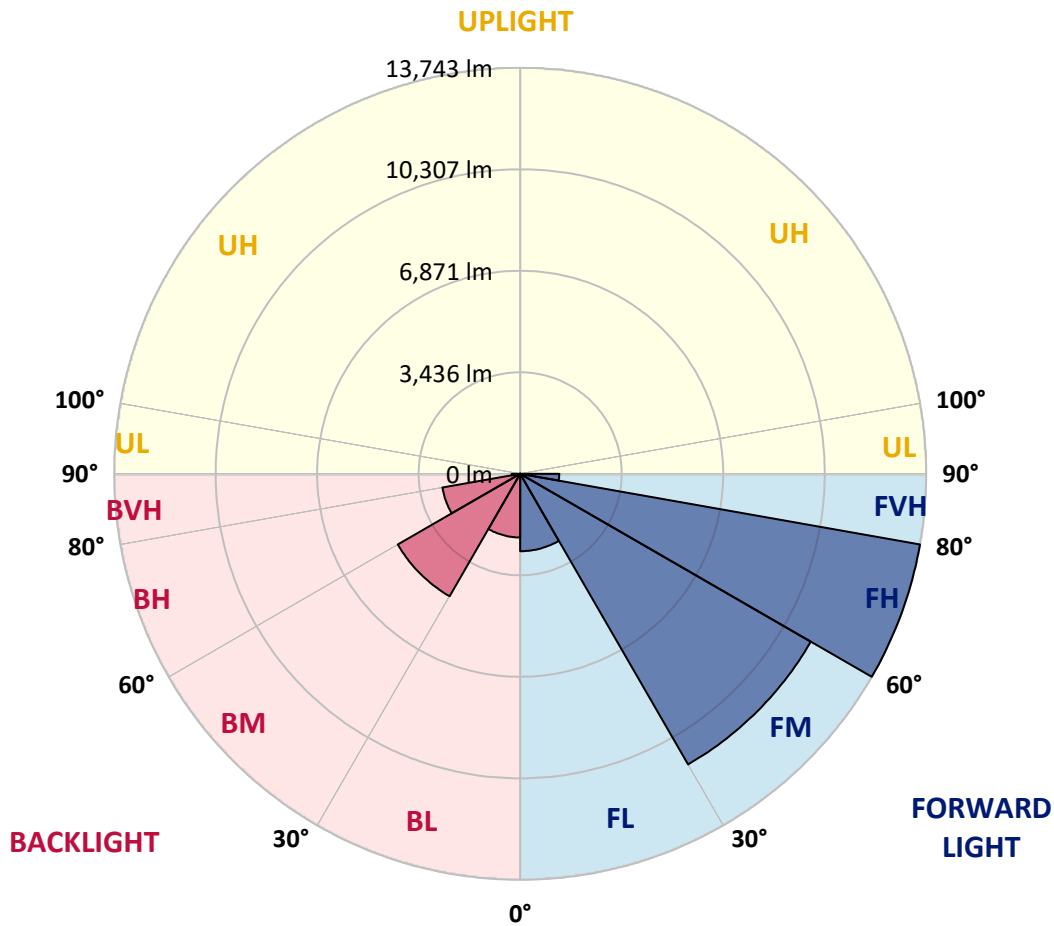
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2619.3	6.7			
FM (30°-60°)	11358.5	29.2			
FH (60°-80°)	13742.8	35.3			G5
FVH (80°-90°)	1324.3	3.4			G5
BL (0°-30°)	2155.2	5.5	B3/2500		
BM (30°-60°)	4782.9	12.3	B3/5000		
BH (60°-80°)	2675.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	283.3	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°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
2.5°	5758.6	5714.5	5670.3	5623.2	5576.4	5529.1	5481.8	5436.6	5391.4	5347.7
5°	6192.2	6094.6	5997.0	5899.6	5802.4	5704.4	5606.6	5515.1	5423.7	5337.4
7.5°	6627.8	6466.7	6305.8	6157.1	6008.3	5863.4	5718.6	5591.0	5463.4	5345.6
10°	6961.7	6758.1	6554.5	6357.8	6161.4	5985.5	5809.4	5658.6	5507.3	5362.1
12.5°	7166.2	6942.4	6718.8	6496.1	6273.4	6065.8	5858.3	5687.5	5516.8	5364.1
15°	7290.5	7057.3	6824.1	6582.4	6340.8	6101.8	5862.8	5665.1	5467.5	5298.4
17.5°	7360.4	7123.9	6887.3	6623.7	6360.1	6082.7	5805.3	5567.5	5329.8	5130.9
20°	7437.4	7191.7	6945.7	6656.0	6366.2	6030.1	5693.9	5399.2	5104.6	4873.0
22.5°	7526.8	7275.7	7024.4	6699.5	6374.5	5965.6	5556.6	5201.8	4846.9	4583.3
25°	7641.9	7395.7	7149.7	6778.4	6406.9	5901.9	5397.0	4981.3	4565.8	4295.6
27.5°	7798.0	7563.4	7328.5	6901.7	6474.7	5859.3	5243.9	4779.7	4315.5	4069.6
30°	8008.7	7781.8	7555.2	7061.4	6567.6	5839.4	5110.7	4611.2	4111.7	3905.2
32.5°	8257.3	8032.7	7808.3	7228.0	6647.8	5814.7	4981.3	4465.9	3950.4	3784.0
35°	8559.4	8344.4	8129.3	7417.9	6706.5	5768.3	4830.5	4323.1	3815.8	3677.1
37.5°	9067.9	8793.8	8519.7	7630.6	6741.5	5688.8	4636.1	4155.1	3674.0	3552.8
40°	9836.4	9437.0	9037.5	7900.6	6763.4	5579.2	4395.3	3954.5	3513.7	3403.8
42.5°	10855.6	10279.0	9702.4	8253.8	6805.2	5466.2	4127.7	3733.2	3338.7	3237.4
45°	12114.2	11336.4	10558.7	8718.6	6878.5	5361.2	3844.2	3498.1	3152.1	3049.4
47.5°	13688.2	12593.6	11498.8	9213.8	6928.9	5274.5	3620.2	3312.2	3004.1	2871.6
50°	15751.2	14101.0	12450.6	9673.3	6896.0	5180.0	3464.0	3188.7	2913.3	2739.1
52.5°	18119.4	15684.4	13249.5	9971.6	6693.6	5020.3	3347.3	3107.3	2867.5	2667.2
55°	20640.7	17088.3	13536.1	9905.9	6275.4	4755.7	3235.9	3048.3	2860.7	2674.3
57.5°	22933.8	18083.2	13232.6	9443.1	5653.8	4382.5	3111.0	2978.5	2845.9	2681.5
60°	24319.8	18331.9	12343.7	8582.0	4820.2	3898.0	2975.8	2871.6	2767.4	2658.9
62.5°	23616.0	17284.9	10953.8	7417.5	3881.1	3318.1	2755.1	2685.9	2616.8	2603.5
65°	22207.5	15803.6	9399.8	6229.4	3059.2	2796.4	2533.6	2500.9	2468.2	2469.9
67.5°	20320.1	14040.8	7761.5	5065.5	2369.6	2295.0	2220.2	2238.5	2256.6	2252.1
70°	18052.6	12117.3	6181.9	3988.4	1794.9	1816.3	1837.4	1922.1	2006.5	2006.5
72.5°	15350.5	10032.0	4713.8	3049.1	1384.5	1448.9	1513.4	1633.4	1753.2	1773.3
75°	11932.3	7641.7	3351.0	2213.0	1075.1	1133.4	1191.8	1326.2	1460.6	1553.4
77.5°	8525.4	5348.5	2171.5	1499.6	827.7	867.3	907.2	1037.7	1168.2	1321.2
80°	5579.9	3445.9	1312.0	966.2	620.6	637.0	653.4	764.0	874.3	1057.2
82.5°	3243.5	1994.4	745.5	594.3	443.4	446.3	449.6	531.0	612.3	768.5
85°	1427.1	897.1	367.4	317.7	268.2	266.7	265.1	324.7	384.3	500.3
87.5°	441.8	293.8	145.9	131.7	117.5	116.1	114.7	138.9	163.4	211.6
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°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
5299.0	2.5°	5259.5	5220.3	5184.7	5149.4	5118.4	5087.3	5056.1	5025.1	5001.0	4976.8
5252.1	5°	5177.7	5103.1	5040.7	4978.4	4923.3	4868.3	4818.3	4768.2	4729.8	4691.2
5235.3	7.5°	5136.2	5037.4	4955.2	4873.0	4803.8	4734.3	4673.1	4612.0	4566.2	4520.6
5243.5	10°	5139.1	5034.7	4952.5	4870.3	4795.7	4720.9	4652.1	4583.3	4528.6	4473.8
5253.8	12.5°	5168.3	5083.2	5028.6	4974.3	4915.5	4857.2	4785.9	4714.8	4644.9	4575.1
5210.0	15°	5169.1	5128.4	5135.8	5143.2	5128.0	5112.8	5051.0	4989.1	4889.6	4790.2
5076.4	17.5°	5091.4	5106.2	5195.8	5285.4	5333.1	5380.5	5330.6	5280.9	5149.2	5017.5
4858.6	20°	4928.5	4998.3	5153.9	5309.7	5409.3	5509.0	5486.0	5462.7	5312.1	5161.7
4611.4	22.5°	4714.8	4818.1	4995.7	5173.6	5303.3	5432.9	5446.9	5460.7	5316.8	5173.0
4371.6	25°	4490.8	4610.0	4769.6	4929.5	5057.1	5184.7	5232.4	5279.9	5161.9	5044.2
4162.0	27.5°	4277.1	4392.2	4523.5	4654.6	4756.9	4859.2	4912.3	4965.5	4881.4	4797.6
3977.7	30°	4069.0	4160.6	4269.5	4378.4	4463.3	4548.3	4591.5	4634.6	4570.7	4506.6
3816.2	32.5°	3870.3	3924.3	4011.2	4098.3	4179.7	4261.3	4309.2	4357.2	4298.5	4239.5
3663.7	35°	3678.5	3693.5	3759.9	3826.1	3906.6	3987.4	4044.9	4102.4	4060.5	4018.8
3503.9	37.5°	3487.4	3471.0	3518.7	3566.1	3646.5	3727.0	3798.1	3869.2	3849.9	3830.6
3328.8	40°	3291.6	3254.4	3288.7	3323.1	3400.7	3478.4	3560.2	3642.2	3646.9	3651.4
3142.8	42.5°	3093.5	3044.2	3072.2	3100.3	3173.9	3247.6	3336.0	3424.4	3448.0	3471.6
2957.9	45°	2909.8	2862.0	2885.4	2909.2	2979.1	3048.9	3140.6	3232.2	3266.1	3300.0
2792.9	47.5°	2752.6	2712.4	2734.6	2756.5	2825.0	2893.2	2983.6	3074.0	3113.1	3152.1
2647.6	50°	2611.9	2576.3	2610.9	2645.6	2710.1	2774.4	2855.4	2936.3	2986.5	3036.6
2539.3	52.5°	2504.0	2468.9	2520.9	2572.6	2631.8	2690.8	2766.2	2841.8	2901.2	2960.6
2481.8	55°	2425.9	2370.2	2444.0	2517.6	2581.3	2645.0	2711.1	2777.1	2840.0	2903.0
2447.3	57.5°	2365.9	2284.5	2363.9	2443.2	2518.0	2592.8	2658.1	2723.7	2787.2	2850.4
2414.8	60°	2309.4	2203.8	2273.5	2342.9	2428.8	2514.7	2581.1	2647.6	2711.3	2775.0
2377.0	62.5°	2245.1	2113.4	2157.6	2201.7	2301.8	2402.1	2473.0	2543.9	2602.2	2660.6
2297.3	65°	2157.1	2016.8	2033.9	2050.7	2158.0	2265.4	2333.2	2401.1	2452.4	2503.8
2155.1	67.5°	2038.4	1921.7	1916.3	1911.0	2010.0	2109.3	2173.6	2237.7	2282.1	2326.5
1974.7	70°	1891.7	1808.7	1790.2	1771.7	1858.8	1945.9	2001.4	2056.9	2096.9	2137.0
1773.7	72.5°	1716.8	1659.9	1632.8	1605.8	1674.5	1742.9	1793.0	1843.2	1882.4	1921.7
1545.6	75°	1501.9	1457.9	1432.0	1405.9	1456.9	1507.8	1553.2	1598.6	1634.4	1670.2
1317.1	77.5°	1282.0	1246.9	1220.6	1194.3	1235.8	1277.1	1316.1	1355.2	1392.8	1430.2
1056.6	80°	1027.2	997.6	975.6	953.4	988.0	1022.3	1055.1	1088.0	1116.6	1144.9
777.1	82.5°	762.7	748.4	732.7	717.1	714.3	711.4	699.9	688.4	749.2	810.0
511.7	85°	496.2	480.8	463.4	445.9	431.1	416.1	384.3	352.4	409.3	466.4
226.0	87.5°	219.9	213.7	210.4	207.1	206.5	205.9	181.6	157.2	181.0	205.1
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°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
4957.3	2.5°	4937.7	4922.5	4907.3	4893.3	4879.2	4861.7	4879.2	4893.3	4907.3	4922.5
4664.2	5°	4637.3	4618.2	4599.1	4584.5	4569.9	4555.5	4569.9	4584.5	4599.1	4618.2
4488.5	7.5°	4456.5	4434.5	4412.7	4399.6	4386.6	4376.8	4386.6	4399.6	4412.7	4434.5
4438.0	10°	4401.8	4381.1	4360.3	4349.2	4338.1	4333.6	4338.1	4349.2	4360.3	4381.1
4528.8	12.5°	4482.6	4459.4	4436.4	4426.9	4417.5	4415.8	4417.5	4426.9	4436.4	4459.4
4719.9	15°	4649.6	4617.4	4585.3	4573.0	4560.7	4559.6	4560.7	4573.0	4585.3	4617.4
4913.9	17.5°	4810.3	4762.7	4714.8	4699.2	4683.3	4680.9	4683.3	4699.2	4714.8	4762.7
5034.7	20°	4907.9	4846.9	4785.7	4766.2	4746.6	4740.5	4746.6	4766.2	4785.7	4846.9
5042.3	22.5°	4911.4	4847.1	4782.6	4761.0	4739.4	4730.2	4739.4	4761.0	4782.6	4847.1
4927.9	25°	4812.0	4756.1	4700.4	4680.1	4659.9	4648.0	4659.9	4680.1	4700.4	4756.1
4707.4	27.5°	4617.2	4579.8	4542.2	4532.9	4523.7	4520.6	4523.7	4532.9	4542.2	4579.8
4442.1	30°	4377.2	4358.1	4338.8	4338.8	4338.8	4341.8	4338.8	4338.8	4338.8	4358.1
4187.9	32.5°	4136.4	4123.8	4111.3	4112.9	4114.8	4117.9	4114.8	4112.9	4111.3	4123.8
3971.1	35°	3923.7	3904.6	3885.7	3881.6	3877.4	3875.4	3877.4	3881.6	3885.7	3904.6
3786.8	37.5°	3742.9	3708.1	3673.6	3655.3	3637.0	3626.8	3637.0	3655.3	3673.6	3708.1
3614.2	40°	3577.0	3526.5	3476.3	3442.2	3408.5	3388.4	3408.5	3442.2	3476.3	3526.5
3440.2	42.5°	3408.9	3346.3	3283.6	3234.1	3184.6	3152.1	3184.6	3234.1	3283.6	3346.3
3271.7	45°	3243.5	3171.8	3100.3	3042.2	2984.0	2946.6	2984.0	3042.2	3100.3	3171.8
3132.4	47.5°	3112.6	3048.9	2985.2	2931.4	2877.8	2841.8	2877.8	2931.4	2985.2	3048.9
3035.4	50°	3034.6	2983.6	2932.6	2882.9	2833.2	2798.7	2833.2	2882.9	2932.6	2983.6
2971.3	52.5°	2982.0	2940.4	2898.9	2854.4	2810.0	2778.1	2810.0	2854.4	2898.9	2940.4
2917.8	55°	2932.6	2896.5	2860.3	2821.3	2782.2	2753.5	2782.2	2821.3	2860.3	2896.5
2865.4	57.5°	2880.4	2843.9	2807.3	2768.7	2729.8	2700.0	2729.8	2768.7	2807.3	2843.9
2791.5	60°	2807.9	2772.2	2736.6	2696.7	2656.9	2626.1	2656.9	2696.7	2736.6	2772.2
2676.4	62.5°	2692.2	2660.0	2627.7	2585.8	2543.9	2506.9	2543.9	2585.8	2627.7	2660.0
2520.0	65°	2536.1	2505.0	2474.0	2433.3	2392.8	2361.0	2392.8	2433.3	2474.0	2505.0
2342.3	67.5°	2357.9	2329.3	2301.0	2263.2	2225.4	2196.6	2225.4	2263.2	2301.0	2329.3
2152.2	70°	2167.4	2144.2	2121.0	2084.8	2048.7	2015.8	2048.7	2084.8	2121.0	2144.2
1939.7	72.5°	1957.8	1938.5	1919.2	1884.7	1850.4	1818.5	1850.4	1884.7	1919.2	1938.5
1689.1	75°	1708.0	1698.5	1689.1	1660.1	1631.1	1600.7	1631.1	1660.1	1689.1	1698.5
1447.8	77.5°	1465.5	1452.3	1438.8	1409.6	1380.4	1356.2	1380.4	1409.6	1438.8	1452.3
1168.4	80°	1191.8	1186.0	1180.5	1141.2	1101.8	1056.2	1101.8	1141.2	1180.5	1186.0
849.9	82.5°	889.7	887.3	884.6	851.5	818.2	789.1	818.2	851.5	884.6	887.3
515.8	85°	565.1	561.0	556.9	531.0	505.1	478.8	505.1	531.0	556.9	561.0
225.0	87.5°	244.9	240.0	234.7	221.5	207.9	195.2	207.9	221.5	234.7	240.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
4937.7	2.5°	4957.3	4976.8	5001.0	5025.1	5056.1	5087.3	5118.4	5149.4	5184.7	5220.3
4637.3	5°	4664.2	4691.2	4729.8	4768.2	4818.3	4868.3	4923.3	4978.4	5040.7	5103.1
4456.5	7.5°	4488.5	4520.6	4566.2	4612.0	4673.1	4734.3	4803.8	4873.0	4955.2	5037.4
4401.8	10°	4438.0	4473.8	4528.6	4583.3	4652.1	4720.9	4795.7	4870.3	4952.5	5034.7
4482.6	12.5°	4528.8	4575.1	4644.9	4714.8	4785.9	4857.2	4915.5	4974.3	5028.6	5083.2
4649.6	15°	4719.9	4790.2	4889.6	4989.1	5051.0	5112.8	5128.0	5143.2	5135.8	5128.4
4810.3	17.5°	4913.9	5017.5	5149.2	5280.9	5330.6	5380.5	5333.1	5285.4	5195.8	5106.2
4907.9	20°	5034.7	5161.7	5312.1	5462.7	5486.0	5509.0	5409.3	5309.7	5153.9	4998.3
4911.4	22.5°	5042.3	5173.0	5316.8	5460.7	5446.9	5432.9	5303.3	5173.6	4995.7	4818.1
4812.0	25°	4927.9	5044.2	5161.9	5279.9	5232.4	5184.7	5057.1	4929.5	4769.6	4610.0
4617.2	27.5°	4707.4	4797.6	4881.4	4965.5	4912.3	4859.2	4756.9	4654.6	4523.5	4392.2
4377.2	30°	4442.1	4506.6	4570.7	4634.6	4591.5	4548.3	4463.3	4378.4	4269.5	4160.6
4136.4	32.5°	4187.9	4239.5	4298.5	4357.2	4309.2	4261.3	4179.7	4098.3	4011.2	3924.3
3923.7	35°	3971.1	4018.8	4060.5	4102.4	4044.9	3987.4	3906.6	3826.1	3759.9	3693.5
3742.9	37.5°	3786.8	3830.6	3849.9	3869.2	3798.1	3727.0	3646.5	3566.1	3518.7	3471.0
3577.0	40°	3614.2	3651.4	3646.9	3642.2	3560.2	3478.4	3400.7	3323.1	3288.7	3254.4
3408.9	42.5°	3440.2	3471.6	3448.0	3424.4	3336.0	3247.6	3173.9	3100.3	3072.2	3044.2
3243.5	45°	3271.7	3300.0	3266.1	3232.2	3140.6	3048.9	2979.1	2909.2	2885.4	2862.0
3112.6	47.5°	3132.4	3152.1	3113.1	3074.0	2983.6	2893.2	2825.0	2756.5	2734.6	2712.4
3034.6	50°	3035.4	3036.6	2986.5	2936.3	2855.4	2774.4	2710.1	2645.6	2610.9	2576.3
2982.0	52.5°	2971.3	2960.6	2901.2	2841.8	2766.2	2690.8	2631.8	2572.6	2520.9	2468.9
2932.6	55°	2917.8	2903.0	2840.0	2777.1	2711.1	2645.0	2581.3	2517.6	2444.0	2370.2
2880.4	57.5°	2865.4	2850.4	2787.2	2723.7	2658.1	2592.8	2518.0	2443.2	2363.9	2284.5
2807.9	60°	2791.5	2775.0	2711.3	2647.6	2581.1	2514.7	2428.8	2342.9	2273.5	2203.8
2692.2	62.5°	2676.4	2660.6	2602.2	2543.9	2473.0	2402.1	2301.8	2201.7	2157.6	2113.4
2536.1	65°	2520.0	2503.8	2452.4	2401.1	2333.2	2265.4	2158.0	2050.7	2033.9	2016.8
2357.9	67.5°	2342.3	2326.5	2282.1	2237.7	2173.6	2109.3	2010.0	1911.0	1916.3	1921.7
2167.4	70°	2152.2	2137.0	2096.9	2056.9	2001.4	1945.9	1858.8	1771.7	1790.2	1808.7
1957.8	72.5°	1939.7	1921.7	1882.4	1843.2	1793.0	1742.9	1674.5	1605.8	1632.8	1659.9
1708.0	75°	1689.1	1670.2	1634.4	1598.6	1553.2	1507.8	1456.9	1405.9	1432.0	1457.9
1465.5	77.5°	1447.8	1430.2	1392.8	1355.2	1316.1	1277.1	1235.8	1194.3	1220.6	1246.9
1191.8	80°	1168.4	1144.9	1116.6	1088.0	1055.1	1022.3	988.0	953.4	975.6	997.6
889.7	82.5°	849.9	810.0	749.2	688.4	699.9	711.4	714.3	717.1	732.7	748.4
565.1	85°	515.8	466.4	409.3	352.4	384.3	416.1	431.1	445.9	463.4	480.8
244.9	87.5°	225.0	205.1	181.0	157.2	181.6	205.9	206.5	207.1	210.4	213.7
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°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
5259.5	2.5°	5299.0	5347.7	5391.4	5436.6	5481.8	5529.1	5576.4	5623.2	5670.3	5714.5
5177.7	5°	5252.1	5337.4	5423.7	5515.1	5606.6	5704.4	5802.4	5899.6	5997.0	6094.6
5136.2	7.5°	5235.3	5345.6	5463.4	5591.0	5718.6	5863.4	6008.3	6157.1	6305.8	6466.7
5139.1	10°	5243.5	5362.1	5507.3	5658.6	5809.4	5985.5	6161.4	6357.8	6554.5	6758.1
5168.3	12.5°	5253.8	5364.1	5516.8	5687.5	5858.3	6065.8	6273.4	6496.1	6718.8	6942.4
5169.1	15°	5210.0	5298.4	5467.5	5665.1	5862.8	6101.8	6340.8	6582.4	6824.1	7057.3
5091.4	17.5°	5076.4	5130.9	5329.8	5567.5	5805.3	6082.7	6360.1	6623.7	6887.3	7123.9
4928.5	20°	4858.6	4873.0	5104.6	5399.2	5693.9	6030.1	6366.2	6656.0	6945.7	7191.7
4714.8	22.5°	4611.4	4583.3	4846.9	5201.8	5556.6	5965.6	6374.5	6699.5	7024.4	7275.7
4490.8	25°	4371.6	4295.6	4565.8	4981.3	5397.0	5901.9	6406.9	6778.4	7149.7	7395.7
4277.1	27.5°	4162.0	4069.6	4315.5	4779.7	5243.9	5859.3	6474.7	6901.7	7328.5	7563.4
4069.0	30°	3977.7	3905.2	4111.7	4611.2	5110.7	5839.4	6567.6	7061.4	7555.2	7781.8
3870.3	32.5°	3816.2	3784.0	3950.4	4465.9	4981.3	5814.7	6647.8	7228.0	7808.3	8032.7
3678.5	35°	3663.7	3677.1	3815.8	4323.1	4830.5	5768.3	6706.5	7417.9	8129.3	8344.4
3487.4	37.5°	3503.9	3552.8	3674.0	4155.1	4636.1	5688.8	6741.5	7630.6	8519.7	8793.8
3291.6	40°	3328.8	3403.8	3513.7	3954.5	4395.3	5579.2	6763.4	7900.6	9037.5	9437.0
3093.5	42.5°	3142.8	3237.4	3338.7	3733.2	4127.7	5466.2	6805.2	8253.8	9702.4	10279.0
2909.8	45°	2957.9	3049.4	3152.1	3498.1	3844.2	5361.2	6878.5	8718.6	10558.7	11336.4
2752.6	47.5°	2792.9	2871.6	3004.1	3312.2	3620.2	5274.5	6928.9	9213.8	11498.8	12593.6
2611.9	50°	2647.6	2739.1	2913.3	3188.7	3464.0	5180.0	6896.0	9673.3	12450.6	14101.0
2504.0	52.5°	2539.3	2667.2	2867.5	3107.3	3347.3	5020.3	6693.6	9971.6	13249.5	15684.4
2425.9	55°	2481.8	2674.3	2860.7	3048.3	3235.9	4755.7	6275.4	9905.9	13536.1	17088.3
2365.9	57.5°	2447.3	2681.5	2845.9	2978.5	3111.0	4382.5	5653.8	9443.1	13232.6	18083.2
2309.4	60°	2414.8	2658.9	2767.4	2871.6	2975.8	3898.0	4820.2	8582.0	12343.7	18331.9
2245.1	62.5°	2377.0	2603.5	2616.8	2685.9	2755.1	3318.1	3881.1	7417.5	10953.8	17284.9
2157.1	65°	2297.3	2469.9	2468.2	2500.9	2533.6	2796.4	3059.2	6229.4	9399.8	15803.6
2038.4	67.5°	2155.1	2252.1	2256.6	2238.5	2220.2	2295.0	2369.6	5065.5	7761.5	14040.8
1891.7	70°	1974.7	2006.5	2006.5	1922.1	1837.4	1816.3	1794.9	3988.4	6181.9	12117.3
1716.8	72.5°	1773.7	1773.3	1753.2	1633.4	1513.4	1448.9	1384.5	3049.1	4713.8	10032.0
1501.9	75°	1545.6	1553.4	1460.6	1326.2	1191.8	1133.4	1075.1	2213.0	3351.0	7641.7
1282.0	77.5°	1317.1	1321.2	1168.2	1037.7	907.2	867.3	827.7	1499.6	2171.5	5348.5
1027.2	80°	1056.6	1057.2	874.3	764.0	653.4	637.0	620.6	966.2	1312.0	3445.9
762.7	82.5°	777.1	768.5	612.3	531.0	449.6	446.3	443.4	594.3	745.5	1994.4
496.2	85°	511.7	500.3	384.3	324.7	265.1	266.7	268.2	317.7	367.4	897.1
219.9	87.5°	226.0	211.6	163.4	138.9	114.7	116.1	117.5	131.7	145.9	293.8
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°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
5758.6	2.5°	5780.4	5802.4	5833.4	5864.5	5882.9	5901.4	5910.7	5919.9	5915.8	5919.9
6192.2	5°	6268.4	6344.9	6420.5	6496.3	6537.4	6578.5	6603.4	6628.4	6647.3	6628.4
6627.8	7.5°	6751.9	6875.8	6987.4	7099.0	7166.2	7233.4	7269.7	7305.9	7323.4	7305.9
6961.7	10°	7108.4	7255.2	7386.0	7516.9	7596.3	7675.2	7710.5	7745.6	7759.0	7745.6
7166.2	12.5°	7325.2	7484.1	7602.4	7720.4	7777.9	7835.4	7854.8	7874.1	7876.1	7874.1
7290.5	15°	7427.8	7564.8	7639.0	7713.4	7715.4	7717.5	7696.9	7676.4	7652.1	7676.4
7360.4	17.5°	7453.0	7545.7	7547.1	7548.4	7465.2	7381.9	7305.7	7229.3	7175.4	7229.3
7437.4	20°	7469.7	7502.1	7404.5	7306.9	7123.2	6939.5	6805.8	6672.0	6589.8	6672.0
7526.8	22.5°	7484.5	7442.1	7240.0	7037.8	6767.5	6497.3	6330.1	6162.8	6072.0	6162.8
7641.9	25°	7508.3	7374.7	7067.8	6760.8	6432.6	6104.5	5928.6	5753.1	5667.2	5753.1
7798.0	27.5°	7559.3	7320.3	6913.6	6507.2	6143.5	5779.8	5606.8	5434.0	5352.8	5434.0
8008.7	30°	7652.6	7296.7	6796.1	6295.6	5916.6	5537.7	5377.3	5216.8	5141.2	5216.8
8257.3	32.5°	7769.7	7282.3	6716.0	6149.7	5793.6	5437.5	5311.5	5185.3	5130.9	5185.3
8559.4	35°	7962.6	7366.1	6776.0	6186.0	5938.6	5691.4	5662.1	5632.7	5628.2	5632.7
9067.9	37.5°	8366.0	7664.1	7127.8	6591.5	6575.4	6559.4	6693.8	6828.2	6898.0	6828.2
9836.4	40°	9073.1	8309.7	7910.9	7512.0	7793.5	8075.0	8401.7	8728.5	8891.2	8728.5
10855.6	42.5°	10098.2	9340.8	9111.1	8881.3	9495.3	10109.3	10703.6	11297.8	11646.7	11297.8
12114.2	45°	11433.8	10753.3	10652.0	10550.5	11534.1	12518.0	13494.4	14471.1	15063.9	14471.1
13688.2	47.5°	13026.3	12364.3	12343.7	12323.2	13742.2	15160.9	16590.4	18019.7	18859.1	18019.7
15751.2	50°	14933.6	14116.2	14119.7	14123.2	15952.0	17780.8	19667.7	21554.6	22695.5	21554.6
18119.4	52.5°	17129.4	16139.6	16039.5	15939.2	18123.7	20308.2	22642.9	24977.4	26344.8	24977.4
20640.7	55°	19662.6	18684.5	18294.3	17904.1	20335.3	22766.4	25549.6	28332.9	29959.3	28332.9
22933.8	57.5°	22401.2	21868.4	21085.7	20303.3	22758.2	25213.0	28365.6	31517.9	33534.7	31517.9
24319.8	60°	25147.1	25974.6	25002.6	24030.7	26353.9	28677.1	32052.3	35427.6	37607.3	35427.6
23616.0	62.5°	25876.6	28137.1	28027.5	27917.8	30046.0	32174.4	35385.6	38596.7	40611.5	38596.7
22207.5	65°	24329.1	26450.7	26870.5	27290.1	29994.6	32699.4	35813.2	38926.9	40642.3	38926.9
20320.1	67.5°	22337.9	24355.8	24552.6	24749.3	27567.3	30385.0	33512.3	36639.5	37983.3	36639.5
18052.6	70°	20247.4	22442.3	22530.3	22618.4	25138.5	27658.3	30349.5	33040.5	33787.4	33040.5
15350.5	72.5°	17869.1	20387.9	20451.2	20514.3	22485.9	24457.5	26473.1	28488.4	28564.0	28488.4
11932.3	75°	14539.1	17145.8	17379.9	17613.9	19147.8	20681.8	22100.6	23519.5	23139.3	23519.5
8525.4	77.5°	10958.8	13392.3	13727.2	14062.2	15228.3	16394.4	17400.6	18407.1	17753.6	18407.1
5579.9	80°	7627.1	9674.1	10090.4	10506.7	11387.4	12267.7	12796.2	13324.5	12273.4	13324.5
3243.5	82.5°	4643.1	6042.8	6507.8	6973.0	7579.2	8185.4	8405.9	8626.1	7800.1	8626.1
1427.1	85°	2169.9	2912.7	3308.3	3703.8	4201.9	4699.8	4824.9	4950.1	4288.4	4950.1
441.8	87.5°	691.4	941.1	1161.8	1382.5	1631.5	1880.6	1891.3	1901.7	1596.6	1901.7
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°
5354.9	0°	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9	5354.9
5910.7	2.5°	5901.4	5882.9	5864.5	5833.4	5802.4	5780.4	5758.6
6603.4	5°	6578.5	6537.4	6496.3	6420.5	6344.9	6268.4	6192.2
7269.7	7.5°	7233.4	7166.2	7099.0	6987.4	6875.8	6751.9	6627.8
7710.5	10°	7675.2	7596.3	7516.9	7386.0	7255.2	7108.4	6961.7
7854.8	12.5°	7835.4	7777.9	7720.4	7602.4	7484.1	7325.2	7166.2
7696.9	15°	7717.5	7715.4	7713.4	7639.0	7564.8	7427.8	7290.5
7305.7	17.5°	7381.9	7465.2	7548.4	7547.1	7545.7	7453.0	7360.4
6805.8	20°	6939.5	7123.2	7306.9	7404.5	7502.1	7469.7	7437.4
6330.1	22.5°	6497.3	6767.5	7037.8	7240.0	7442.1	7484.5	7526.8
5928.6	25°	6104.5	6432.6	6760.8	7067.8	7374.7	7508.3	7641.9
5606.8	27.5°	5779.8	6143.5	6507.2	6913.6	7320.3	7559.3	7798.0
5377.3	30°	5537.7	5916.6	6295.6	6796.1	7296.7	7652.6	8008.7
5311.5	32.5°	5437.5	5793.6	6149.7	6716.0	7282.3	7769.7	8257.3
5662.1	35°	5691.4	5938.6	6186.0	6776.0	7366.1	7962.6	8559.4
6693.8	37.5°	6559.4	6575.4	6591.5	7127.8	7664.1	8366.0	9067.9
8401.7	40°	8075.0	7793.5	7512.0	7910.9	8309.7	9073.1	9836.4
10703.6	42.5°	10109.3	9495.3	8881.3	9111.1	9340.8	10098.2	10855.6
13494.4	45°	12518.0	11534.1	10550.5	10652.0	10753.3	11433.8	12114.2
16590.4	47.5°	15160.9	13742.2	12323.2	12343.7	12364.3	13026.3	13688.2
19667.7	50°	17780.8	15952.0	14123.2	14119.7	14116.2	14933.6	15751.2
22642.9	52.5°	20308.2	18123.7	15939.2	16039.5	16139.6	17129.4	18119.4
25549.6	55°	22766.4	20335.3	17904.1	18294.3	18684.5	19662.6	20640.7
28365.6	57.5°	25213.0	22758.2	20303.3	21085.7	21868.4	22401.2	22933.8
32052.3	60°	28677.1	26353.9	24030.7	25002.6	25974.6	25147.1	24319.8
35385.6	62.5°	32174.4	30046.0	27917.8	28027.5	28137.1	25876.6	23616.0
35813.2	65°	32699.4	29994.6	27290.1	26870.5	26450.7	24329.1	22207.5
33512.3	67.5°	30385.0	27567.3	24749.3	24552.6	24355.8	22337.9	20320.1
30349.5	70°	27658.3	25138.5	22618.4	22530.3	22442.3	20247.4	18052.6
26473.1	72.5°	24457.5	22485.9	20514.3	20451.2	20387.9	17869.1	15350.5
22100.6	75°	20681.8	19147.8	17613.9	17379.9	17145.8	14539.1	11932.3
17400.6	77.5°	16394.4	15228.3	14062.2	13727.2	13392.3	10958.8	8525.4
12796.2	80°	12267.7	11387.4	10506.7	10090.4	9674.1	7627.1	5579.9
8405.9	82.5°	8185.4	7579.2	6973.0	6507.8	6042.8	4643.1	3243.5
4824.9	85°	4699.8	4201.9	3703.8	3308.3	2912.7	2169.9	1427.1
1891.3	87.5°	1880.6	1631.5	1382.5	1161.8	941.1	691.4	441.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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