

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: P951331

Luminaire Tested: **GALN-SB5C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951331
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-SB5C-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37695 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

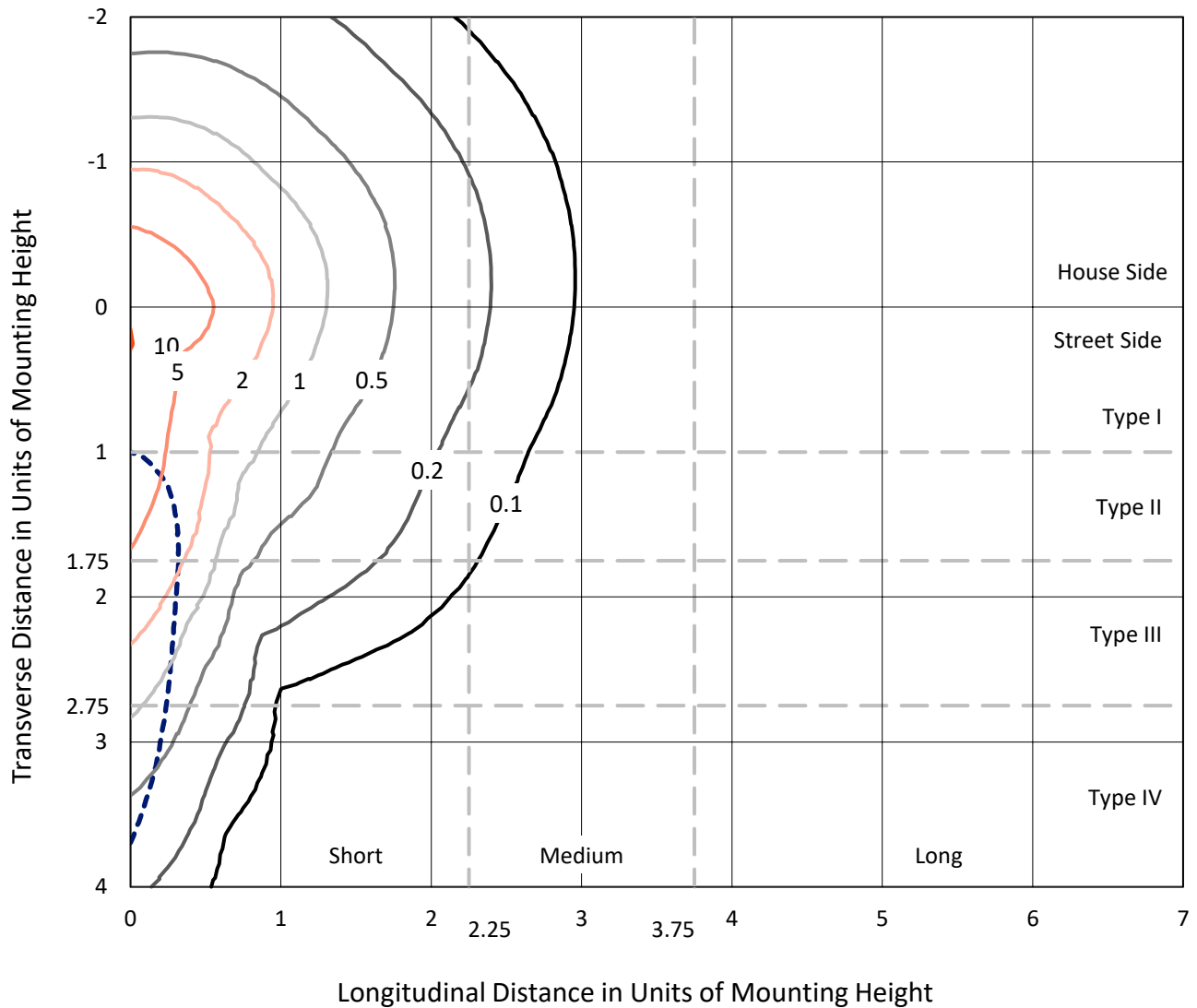
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

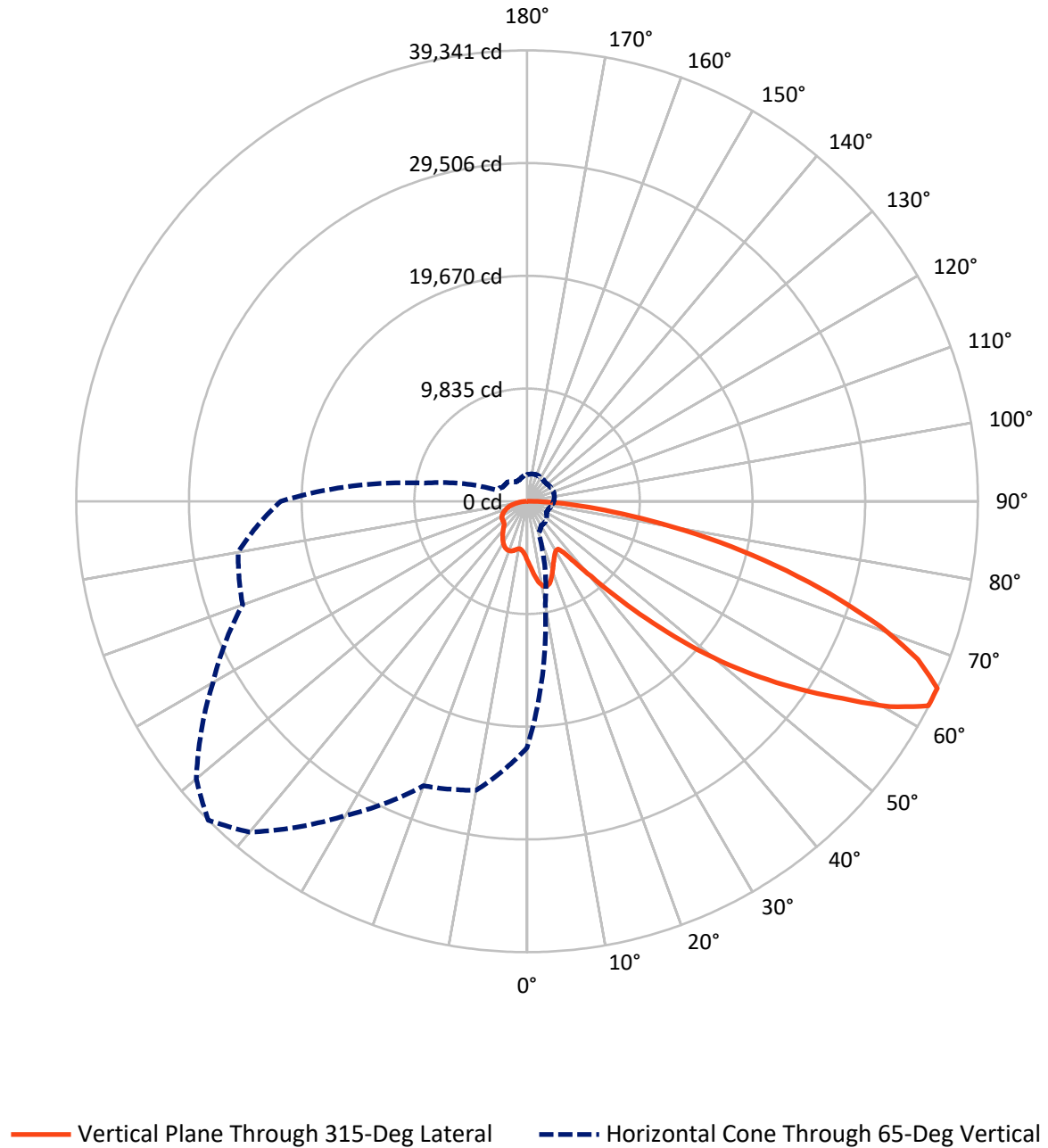
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	9580.2	0.0	9580.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	28114.8	0.0	28114.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	37695.0	0.0	37695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.2	1.4
10°-20°	1614.1	4.3
20°-30°	2493.3	6.6
30°-40°	3159.6	8.4
40°-50°	4765.5	12.6
50°-60°	7699.4	20.4
60°-70°	9598.5	25.5
70°-80°	6294.2	16.7
80°-90°	1556.1	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°	37695.0	100.0
0°-180°	37695.0	100.0

Coefficient of Utilization



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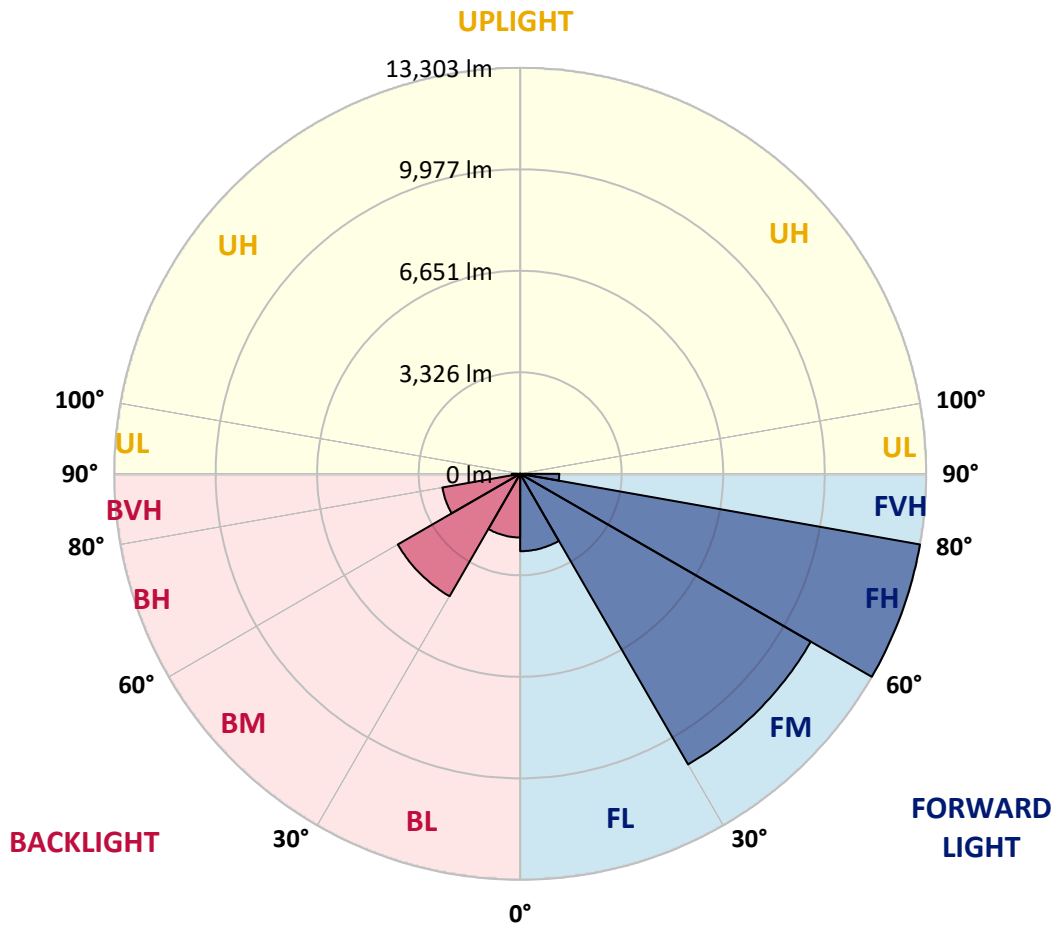
CATALOG NUMBER: GALN-SB5C-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2535.4	6.7			
FM (30°-60°)	10994.8	29.2			
FH (60°-80°)	13302.7	35.3			G5
FVH (80°-90°)	1281.9	3.4			G5
BL (0°-30°)	2086.2	5.5	B3/2500		
BM (30°-60°)	4629.7	12.3	B3/5000		
BH (60°-80°)	2590.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	274.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
2.5°	5574.2	5531.5	5488.7	5443.2	5397.8	5352.1	5306.3	5262.6	5218.8	5176.4
5°	5993.9	5899.4	5805.0	5710.7	5616.6	5521.7	5427.0	5338.5	5250.0	5166.5
7.5°	6415.6	6259.6	6103.9	5959.9	5815.9	5675.7	5535.4	5411.9	5288.4	5174.4
10°	6738.8	6541.7	6344.6	6154.2	5964.1	5793.8	5623.4	5477.4	5331.0	5190.3
12.5°	6936.7	6720.1	6503.7	6288.1	6072.5	5871.6	5670.7	5505.4	5340.1	5192.3
15°	7057.0	6831.3	6605.5	6371.6	6137.7	5906.4	5675.1	5483.7	5292.4	5128.7
17.5°	7124.7	6895.7	6666.8	6411.6	6156.4	5887.9	5619.4	5389.3	5159.1	4966.6
20°	7199.3	6961.4	6723.3	6442.8	6162.4	5837.0	5511.6	5226.3	4941.1	4717.0
22.5°	7285.8	7042.7	6799.5	6485.0	6170.3	5774.5	5378.7	5035.2	4691.7	4436.5
25°	7397.2	7158.9	6920.8	6561.4	6201.8	5712.9	5224.2	4821.8	4419.6	4158.0
27.5°	7548.3	7321.2	7093.8	6680.7	6267.4	5671.7	5076.0	4626.7	4177.3	3939.3
30°	7752.2	7532.6	7313.2	6835.3	6357.3	5652.4	4947.1	4463.6	3980.0	3780.1
32.5°	7992.9	7775.5	7558.3	6996.6	6434.9	5628.5	4821.8	4322.9	3823.9	3662.8
35°	8285.3	8077.2	7869.0	7180.4	6491.8	5583.6	4675.8	4184.7	3693.6	3559.4
37.5°	8777.5	8512.2	8246.9	7386.2	6525.6	5506.6	4487.6	4022.0	3556.4	3439.0
40°	9521.4	9134.8	8748.1	7647.6	6546.9	5400.6	4254.5	3827.9	3401.2	3294.8
42.5°	10508.0	9949.9	9391.8	7989.5	6587.2	5291.2	3995.5	3613.7	3231.8	3133.7
45°	11726.3	10973.4	10220.6	8439.4	6658.2	5189.6	3721.1	3386.1	3051.2	2951.7
47.5°	13249.9	12190.3	11130.6	8918.8	6707.0	5105.6	3504.3	3206.1	2907.9	2779.7
50°	15246.8	13649.5	12051.9	9363.5	6675.2	5014.1	3353.1	3086.6	2820.0	2651.4
52.5°	17539.2	15182.2	12825.2	9652.3	6479.2	4859.6	3240.1	3007.8	2775.7	2581.7
55°	19979.7	16541.1	13102.7	9588.7	6074.5	4603.4	3132.3	2950.7	2769.1	2588.7
57.5°	22199.5	17504.2	12808.9	9140.7	5472.8	4242.2	3011.4	2883.1	2754.8	2595.7
60°	23541.1	17744.8	11948.4	8307.1	4665.8	3773.2	2880.5	2779.7	2678.8	2573.8
62.5°	22859.8	16731.4	10603.1	7180.0	3756.9	3211.9	2666.9	2599.8	2533.0	2520.1
65°	21496.3	15297.6	9098.8	6029.9	2961.3	2706.9	2452.5	2420.8	2389.2	2390.8
67.5°	19669.4	13591.2	7512.9	4903.3	2293.7	2221.5	2149.1	2166.8	2184.3	2180.0
70°	17474.5	11729.3	5984.0	3860.7	1737.4	1758.1	1778.6	1860.5	1942.3	1942.3
72.5°	14859.0	9710.8	4562.8	2951.5	1340.2	1402.5	1464.9	1581.1	1697.0	1716.5
75°	11550.2	7397.0	3243.7	2142.2	1040.7	1097.1	1153.6	1283.7	1413.8	1503.7
77.5°	8252.4	5177.2	2102.0	1451.6	801.2	839.6	878.2	1004.5	1130.8	1278.9
80°	5401.2	3335.6	1270.0	935.2	600.7	616.6	632.5	739.5	846.3	1023.4
82.5°	3139.7	1930.5	721.6	575.2	429.2	432.0	435.2	514.0	592.7	743.9
85°	1381.4	868.4	355.6	307.5	259.6	258.2	256.6	314.3	371.9	484.3
87.5°	427.6	284.4	141.2	127.5	113.8	112.4	111.0	134.5	158.1	204.9
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°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
5129.3	2.5°	5091.1	5053.1	5018.7	4984.5	4954.5	4924.4	4894.2	4864.1	4840.9	4817.4
5083.9	5°	5011.9	4939.7	4879.3	4819.0	4765.7	4712.4	4664.1	4615.5	4578.3	4540.9
5067.6	7.5°	4971.8	4876.1	4796.5	4717.0	4649.9	4582.7	4523.4	4464.4	4420.0	4375.8
5075.6	10°	4974.5	4873.5	4793.9	4714.4	4642.2	4569.8	4503.1	4436.5	4383.6	4330.5
5085.5	12.5°	5002.8	4920.4	4867.5	4815.0	4758.1	4701.6	4632.6	4563.8	4496.2	4428.6
5043.2	15°	5003.6	4964.2	4971.4	4978.5	4963.8	4949.1	4889.2	4829.3	4733.1	4636.8
4913.9	17.5°	4928.4	4942.7	5029.4	5116.2	5162.3	5208.2	5159.9	5111.8	4984.3	4856.8
4703.0	20°	4770.7	4838.3	4988.9	5139.6	5236.1	5332.6	5310.3	5287.8	5142.0	4996.4
4463.8	22.5°	4563.8	4663.9	4835.7	5008.0	5133.5	5259.0	5272.5	5285.8	5146.6	5007.4
4231.6	25°	4347.0	4462.4	4616.9	4771.7	4895.2	5018.7	5064.8	5110.8	4996.6	4882.6
4028.8	27.5°	4140.1	4251.5	4378.6	4505.5	4604.6	4703.6	4755.0	4806.5	4725.1	4644.0
3850.3	30°	3938.7	4027.4	4132.8	4238.2	4320.4	4402.7	4444.5	4486.2	4424.4	4362.3
3694.0	32.5°	3746.3	3798.6	3882.8	3967.1	4045.9	4124.8	4171.2	4217.7	4160.8	4103.7
3546.4	35°	3560.7	3575.3	3639.5	3703.6	3781.5	3859.7	3915.4	3971.1	3930.5	3890.1
3391.7	37.5°	3375.8	3359.9	3406.0	3451.9	3529.7	3607.7	3676.5	3745.3	3726.6	3707.9
3222.2	40°	3186.2	3150.2	3183.4	3216.6	3291.8	3367.0	3446.2	3525.5	3530.1	3534.5
3042.2	42.5°	2994.5	2946.7	2973.8	3001.0	3072.2	3143.6	3229.2	3314.7	3337.6	3360.4
2863.2	45°	2816.7	2770.3	2793.0	2816.1	2883.7	2951.3	3040.0	3128.7	3161.5	3194.4
2703.5	47.5°	2664.5	2625.5	2647.0	2668.3	2734.5	2800.5	2888.1	2975.6	3013.4	3051.2
2562.9	50°	2528.2	2493.8	2527.2	2560.9	2623.3	2685.6	2763.9	2842.3	2890.8	2939.4
2458.0	52.5°	2423.8	2389.8	2440.1	2490.3	2547.5	2604.6	2677.6	2750.8	2808.3	2865.8
2402.3	55°	2348.2	2294.3	2365.7	2436.9	2498.6	2560.3	2624.3	2688.2	2749.0	2810.1
2368.9	57.5°	2290.2	2211.4	2288.2	2364.9	2437.3	2509.7	2573.0	2636.4	2697.9	2759.2
2337.5	60°	2235.5	2133.2	2200.7	2267.9	2351.0	2434.2	2498.4	2562.9	2624.5	2686.2
2300.9	62.5°	2173.2	2045.7	2088.5	2131.2	2228.1	2325.2	2393.8	2462.4	2518.9	2575.4
2223.7	65°	2088.1	1952.2	1968.7	1985.0	2088.9	2192.9	2258.5	2324.2	2373.9	2423.6
2086.1	67.5°	1973.1	1860.1	1855.0	1849.8	1945.7	2041.7	2104.0	2166.0	2209.0	2252.0
1911.4	70°	1831.1	1750.7	1732.8	1714.9	1799.3	1883.6	1937.3	1991.0	2029.8	2068.6
1716.9	72.5°	1661.8	1606.7	1580.5	1554.4	1620.9	1687.1	1735.6	1784.2	1822.1	1860.1
1496.1	75°	1453.8	1411.2	1386.1	1360.9	1410.2	1459.5	1503.5	1547.5	1582.1	1616.7
1275.0	77.5°	1240.9	1206.9	1181.5	1156.0	1196.2	1236.2	1274.0	1311.8	1348.2	1384.4
1022.8	80°	994.3	965.7	944.4	922.9	956.3	989.5	1021.4	1053.2	1080.8	1108.3
752.2	82.5°	738.3	724.4	709.3	694.2	691.4	688.6	677.5	666.3	725.2	784.1
495.3	85°	480.3	465.4	448.5	431.6	417.3	402.8	371.9	341.1	396.2	451.5
218.8	87.5°	212.8	206.9	203.7	200.5	199.9	199.3	175.8	152.2	175.2	198.5
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°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
4798.5	2.5°	4779.6	4764.9	4750.2	4736.7	4722.9	4706.0	4722.9	4736.7	4750.2	4764.9
4514.9	5°	4488.8	4470.3	4451.8	4437.7	4423.6	4409.7	4423.6	4437.7	4451.8	4470.3
4344.8	7.5°	4313.8	4292.5	4271.4	4258.7	4246.2	4236.6	4246.2	4258.7	4271.4	4292.5
4295.9	10°	4260.9	4240.8	4220.7	4210.0	4199.2	4194.8	4199.2	4210.0	4220.7	4240.8
4383.8	12.5°	4339.0	4316.6	4294.3	4285.1	4276.0	4274.4	4276.0	4285.1	4294.3	4316.6
4568.8	15°	4500.8	4469.5	4438.5	4426.6	4414.6	4413.6	4414.6	4426.6	4438.5	4469.5
4756.5	17.5°	4656.3	4610.2	4563.8	4548.7	4533.4	4531.0	4533.4	4548.7	4563.8	4610.2
4873.5	20°	4750.8	4691.7	4632.4	4613.5	4594.6	4588.7	4594.6	4613.5	4632.4	4691.7
4880.9	22.5°	4754.2	4691.9	4629.4	4608.6	4587.7	4578.7	4587.7	4608.6	4629.4	4691.9
4770.1	25°	4657.9	4603.8	4549.9	4530.2	4510.7	4499.2	4510.7	4530.2	4549.9	4603.8
4556.6	27.5°	4469.3	4433.1	4396.7	4387.8	4378.8	4375.8	4378.8	4387.8	4396.7	4433.1
4299.9	30°	4237.0	4218.5	4199.8	4199.8	4199.8	4202.8	4199.8	4199.8	4199.8	4218.5
4053.8	32.5°	4003.9	3991.8	3979.6	3981.2	3983.0	3986.0	3983.0	3981.2	3979.6	3991.8
3844.0	35°	3798.0	3779.5	3761.2	3757.3	3753.3	3751.3	3753.3	3757.3	3761.2	3779.5
3665.6	37.5°	3623.0	3589.4	3556.0	3538.3	3520.6	3510.6	3520.6	3538.3	3556.0	3589.4
3498.5	40°	3462.5	3413.6	3365.0	3332.0	3299.4	3279.9	3299.4	3332.0	3365.0	3413.6
3330.0	42.5°	3299.8	3239.1	3178.5	3130.5	3082.6	3051.2	3082.6	3130.5	3178.5	3239.1
3166.9	45°	3139.7	3070.3	3001.0	2944.7	2888.5	2852.3	2888.5	2944.7	3001.0	3070.3
3032.1	47.5°	3013.0	2951.3	2889.6	2837.5	2785.6	2750.8	2785.6	2837.5	2889.6	2951.3
2938.2	50°	2937.4	2888.1	2838.7	2790.6	2742.5	2709.0	2742.5	2790.6	2838.7	2888.1
2876.1	52.5°	2886.5	2846.3	2806.1	2762.9	2720.0	2689.2	2720.0	2762.9	2806.1	2846.3
2824.4	55°	2838.7	2803.7	2768.7	2730.9	2693.1	2665.3	2693.1	2730.9	2768.7	2803.7
2773.7	57.5°	2788.2	2752.8	2717.4	2680.0	2642.4	2613.6	2642.4	2680.0	2717.4	2752.8
2702.1	60°	2718.0	2683.4	2649.0	2610.4	2571.8	2542.0	2571.8	2610.4	2649.0	2683.4
2590.7	62.5°	2606.0	2574.8	2543.6	2503.0	2462.4	2426.6	2462.4	2503.0	2543.6	2574.8
2439.3	65°	2454.8	2424.8	2394.8	2355.4	2316.2	2285.4	2316.2	2355.4	2394.8	2424.8
2267.3	67.5°	2282.4	2254.8	2227.3	2190.7	2154.1	2126.3	2154.1	2190.7	2227.3	2254.8
2083.3	70°	2098.0	2075.5	2053.1	2018.1	1983.1	1951.2	1983.1	2018.1	2053.1	2075.5
1877.6	72.5°	1895.1	1876.4	1857.7	1824.3	1791.1	1760.3	1791.1	1824.3	1857.7	1876.4
1635.0	75°	1653.3	1644.1	1635.0	1606.9	1578.9	1549.4	1578.9	1606.9	1635.0	1644.1
1401.5	77.5°	1418.6	1405.8	1392.7	1364.5	1336.2	1312.8	1336.2	1364.5	1392.7	1405.8
1131.0	80°	1153.6	1148.1	1142.7	1104.7	1066.5	1022.4	1066.5	1104.7	1142.7	1148.1
822.7	82.5°	861.2	858.9	856.3	824.3	792.0	763.8	792.0	824.3	856.3	858.9
499.2	85°	547.0	543.0	539.0	514.0	488.9	463.4	488.9	514.0	539.0	543.0
217.8	87.5°	237.1	232.3	227.1	214.4	201.3	189.0	201.3	214.4	227.1	232.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
4779.6	2.5°	4798.5	4817.4	4840.9	4864.1	4894.2	4924.4	4954.5	4984.5	5018.7	5053.1
4488.8	5°	4514.9	4540.9	4578.3	4615.5	4664.1	4712.4	4765.7	4819.0	4879.3	4939.7
4313.8	7.5°	4344.8	4375.8	4420.0	4464.4	4523.4	4582.7	4649.9	4717.0	4796.5	4876.1
4260.9	10°	4295.9	4330.5	4383.6	4436.5	4503.1	4569.8	4642.2	4714.4	4793.9	4873.5
4339.0	12.5°	4383.8	4428.6	4496.2	4563.8	4632.6	4701.6	4758.1	4815.0	4867.5	4920.4
4500.8	15°	4568.8	4636.8	4733.1	4829.3	4889.2	4949.1	4963.8	4978.5	4971.4	4964.2
4656.3	17.5°	4756.5	4856.8	4984.3	5111.8	5159.9	5208.2	5162.3	5116.2	5029.4	4942.7
4750.8	20°	4873.5	4996.4	5142.0	5287.8	5310.3	5332.6	5236.1	5139.6	4988.9	4838.3
4754.2	22.5°	4880.9	5007.4	5146.6	5285.8	5272.5	5259.0	5133.5	5008.0	4835.7	4663.9
4657.9	25°	4770.1	4882.6	4996.6	5110.8	5064.8	5018.7	4895.2	4771.7	4616.9	4462.4
4469.3	27.5°	4556.6	4644.0	4725.1	4806.5	4755.0	4703.6	4604.6	4505.5	4378.6	4251.5
4237.0	30°	4299.9	4362.3	4424.4	4486.2	4444.5	4402.7	4320.4	4238.2	4132.8	4027.4
4003.9	32.5°	4053.8	4103.7	4160.8	4217.7	4171.2	4124.8	4045.9	3967.1	3882.8	3798.6
3798.0	35°	3844.0	3890.1	3930.5	3971.1	3915.4	3859.7	3781.5	3703.6	3639.5	3575.3
3623.0	37.5°	3665.6	3707.9	3726.6	3745.3	3676.5	3607.7	3529.7	3451.9	3406.0	3359.9
3462.5	40°	3498.5	3534.5	3530.1	3525.5	3446.2	3367.0	3291.8	3216.6	3183.4	3150.2
3299.8	42.5°	3330.0	3360.4	3337.6	3314.7	3229.2	3143.6	3072.2	3001.0	2973.8	2946.7
3139.7	45°	3166.9	3194.4	3161.5	3128.7	3040.0	2951.3	2883.7	2816.1	2793.0	2770.3
3013.0	47.5°	3032.1	3051.2	3013.4	2975.6	2888.1	2800.5	2734.5	2668.3	2647.0	2625.5
2937.4	50°	2938.2	2939.4	2890.8	2842.3	2763.9	2685.6	2623.3	2560.9	2527.2	2493.8
2886.5	52.5°	2876.1	2865.8	2808.3	2750.8	2677.6	2604.6	2547.5	2490.3	2440.1	2389.8
2838.7	55°	2824.4	2810.1	2749.0	2688.2	2624.3	2560.3	2498.6	2436.9	2365.7	2294.3
2788.2	57.5°	2773.7	2759.2	2697.9	2636.4	2573.0	2509.7	2437.3	2364.9	2288.2	2211.4
2718.0	60°	2702.1	2686.2	2624.5	2562.9	2498.4	2434.2	2351.0	2267.9	2200.7	2133.2
2606.0	62.5°	2590.7	2575.4	2518.9	2462.4	2393.8	2325.2	2228.1	2131.2	2088.5	2045.7
2454.8	65°	2439.3	2423.6	2373.9	2324.2	2258.5	2192.9	2088.9	1985.0	1968.7	1952.2
2282.4	67.5°	2267.3	2252.0	2209.0	2166.0	2104.0	2041.7	1945.7	1849.8	1855.0	1860.1
2098.0	70°	2083.3	2068.6	2029.8	1991.0	1937.3	1883.6	1799.3	1714.9	1732.8	1750.7
1895.1	72.5°	1877.6	1860.1	1822.1	1784.2	1735.6	1687.1	1620.9	1554.4	1580.5	1606.7
1653.3	75°	1635.0	1616.7	1582.1	1547.5	1503.5	1459.5	1410.2	1360.9	1386.1	1411.2
1418.6	77.5°	1401.5	1384.4	1348.2	1311.8	1274.0	1236.2	1196.2	1156.0	1181.5	1206.9
1153.6	80°	1131.0	1108.3	1080.8	1053.2	1021.4	989.5	956.3	922.9	944.4	965.7
861.2	82.5°	822.7	784.1	725.2	666.3	677.5	688.6	691.4	694.2	709.3	724.4
547.0	85°	499.2	451.5	396.2	341.1	371.9	402.8	417.3	431.6	448.5	465.4
237.1	87.5°	217.8	198.5	175.2	152.2	175.8	199.3	199.9	200.5	203.7	206.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
5091.1	2.5°	5129.3	5176.4	5218.8	5262.6	5306.3	5352.1	5397.8	5443.2	5488.7	5531.5
5011.9	5°	5083.9	5166.5	5250.0	5338.5	5427.0	5521.7	5616.6	5710.7	5805.0	5899.4
4971.8	7.5°	5067.6	5174.4	5288.4	5411.9	5535.4	5675.7	5815.9	5959.9	6103.9	6259.6
4974.5	10°	5075.6	5190.3	5331.0	5477.4	5623.4	5793.8	5964.1	6154.2	6344.6	6541.7
5002.8	12.5°	5085.5	5192.3	5340.1	5505.4	5670.7	5871.6	6072.5	6288.1	6503.7	6720.1
5003.6	15°	5043.2	5128.7	5292.4	5483.7	5675.1	5906.4	6137.7	6371.6	6605.5	6831.3
4928.4	17.5°	4913.9	4966.6	5159.1	5389.3	5619.4	5887.9	6156.4	6411.6	6666.8	6895.7
4770.7	20°	4703.0	4717.0	4941.1	5226.3	5511.6	5837.0	6162.4	6442.8	6723.3	6961.4
4563.8	22.5°	4463.8	4436.5	4691.7	5035.2	5378.7	5774.5	6170.3	6485.0	6799.5	7042.7
4347.0	25°	4231.6	4158.0	4419.6	4821.8	5224.2	5712.9	6201.8	6561.4	6920.8	7158.9
4140.1	27.5°	4028.8	3939.3	4177.3	4626.7	5076.0	5671.7	6267.4	6680.7	7093.8	7321.2
3938.7	30°	3850.3	3780.1	3980.0	4463.6	4947.1	5652.4	6357.3	6835.3	7313.2	7532.6
3746.3	32.5°	3694.0	3662.8	3823.9	4322.9	4821.8	5628.5	6434.9	6996.6	7558.3	7775.5
3560.7	35°	3546.4	3559.4	3693.6	4184.7	4675.8	5583.6	6491.8	7180.4	7869.0	8077.2
3375.8	37.5°	3391.7	3439.0	3556.4	4022.0	4487.6	5506.6	6525.6	7386.2	8246.9	8512.2
3186.2	40°	3222.2	3294.8	3401.2	3827.9	4254.5	5400.6	6546.9	7647.6	8748.1	9134.8
2994.5	42.5°	3042.2	3133.7	3231.8	3613.7	3995.5	5291.2	6587.2	7989.5	9391.8	9949.9
2816.7	45°	2863.2	2951.7	3051.2	3386.1	3721.1	5189.6	6658.2	8439.4	10220.6	10973.4
2664.5	47.5°	2703.5	2779.7	2907.9	3206.1	3504.3	5105.6	6707.0	8918.8	11130.6	12190.3
2528.2	50°	2562.9	2651.4	2820.0	3086.6	3353.1	5014.1	6675.2	9363.5	12051.9	13649.5
2423.8	52.5°	2458.0	2581.7	2775.7	3007.8	3240.1	4859.6	6479.2	9652.3	12825.2	15182.2
2348.2	55°	2402.3	2588.7	2769.1	2950.7	3132.3	4603.4	6074.5	9588.7	13102.7	16541.1
2290.2	57.5°	2368.9	2595.7	2754.8	2883.1	3011.4	4242.2	5472.8	9140.7	12808.9	17504.2
2235.5	60°	2337.5	2573.8	2678.8	2779.7	2880.5	3773.2	4665.8	8307.1	11948.4	17744.8
2173.2	62.5°	2300.9	2520.1	2533.0	2599.8	2666.9	3211.9	3756.9	7180.0	10603.1	16731.4
2088.1	65°	2223.7	2390.8	2389.2	2420.8	2452.5	2706.9	2961.3	6029.9	9098.8	15297.6
1973.1	67.5°	2086.1	2180.0	2184.3	2166.8	2149.1	2221.5	2293.7	4903.3	7512.9	13591.2
1831.1	70°	1911.4	1942.3	1942.3	1860.5	1778.6	1758.1	1737.4	3860.7	5984.0	11729.3
1661.8	72.5°	1716.9	1716.5	1697.0	1581.1	1464.9	1402.5	1340.2	2951.5	4562.8	9710.8
1453.8	75°	1496.1	1503.7	1413.8	1283.7	1153.6	1097.1	1040.7	2142.2	3243.7	7397.0
1240.9	77.5°	1275.0	1278.9	1130.8	1004.5	878.2	839.6	801.2	1451.6	2102.0	5177.2
994.3	80°	1022.8	1023.4	846.3	739.5	632.5	616.6	600.7	935.2	1270.0	3335.6
738.3	82.5°	752.2	743.9	592.7	514.0	435.2	432.0	429.2	575.2	721.6	1930.5
480.3	85°	495.3	484.3	371.9	314.3	256.6	258.2	259.6	307.5	355.6	868.4
212.8	87.5°	218.8	204.9	158.1	134.5	111.0	112.4	113.8	127.5	141.2	284.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
5574.2	2.5°	5595.3	5616.6	5646.6	5676.7	5694.6	5712.5	5721.4	5730.4	5726.4	5730.4
5993.9	5°	6067.7	6141.7	6214.9	6288.3	6328.1	6367.8	6391.9	6416.2	6434.5	6416.2
6415.6	7.5°	6535.7	6655.7	6763.7	6871.7	6936.7	7001.7	7037.0	7072.0	7088.9	7072.0
6738.8	10°	6880.8	7022.8	7149.5	7276.2	7353.0	7429.4	7463.6	7497.6	7510.5	7497.6
6936.7	12.5°	7090.7	7244.4	7359.0	7473.1	7528.8	7584.5	7603.2	7621.9	7623.9	7621.9
7057.0	15°	7189.9	7322.6	7394.4	7466.4	7468.4	7470.4	7450.5	7430.6	7407.1	7430.6
7124.7	17.5°	7214.4	7304.1	7305.5	7306.7	7226.1	7145.6	7071.8	6997.8	6945.7	6997.8
7199.3	20°	7230.5	7261.9	7167.4	7073.0	6895.1	6717.3	6587.8	6458.3	6378.8	6458.3
7285.8	22.5°	7244.8	7203.8	7008.1	6812.4	6550.8	6289.3	6127.4	5965.5	5877.6	5965.5
7397.2	25°	7267.9	7138.6	6841.4	6544.3	6226.6	5909.0	5738.7	5568.9	5485.7	5568.9
7548.3	27.5°	7317.2	7085.9	6692.3	6298.8	5946.8	5594.7	5427.2	5260.0	5181.4	5260.0
7752.2	30°	7407.5	7063.0	6578.5	6094.0	5727.2	5360.4	5205.1	5049.7	4976.5	5049.7
7992.9	32.5°	7520.9	7049.1	6500.9	5952.7	5608.0	5263.3	5141.4	5019.3	4966.6	5019.3
8285.3	35°	7707.7	7130.2	6559.0	5987.9	5748.5	5509.2	5480.7	5452.3	5447.9	5452.3
8777.5	37.5°	8098.1	7418.6	6899.5	6380.4	6364.9	6349.4	6479.4	6609.5	6677.1	6609.5
9521.4	40°	8782.5	8043.6	7657.5	7271.5	7544.0	7816.5	8132.7	8449.0	8606.5	8449.0
10508.0	42.5°	9774.8	9041.7	8819.3	8596.9	9191.3	9785.6	10360.8	10936.0	11273.8	10936.0
11726.3	45°	11067.7	10408.9	10310.9	10212.6	11164.8	12117.1	13062.3	14007.7	14581.5	14007.7
13249.9	47.5°	12609.2	11968.3	11948.4	11928.6	13302.2	14675.4	16059.2	17442.7	18255.2	17442.7
15246.8	50°	14455.4	13664.2	13667.6	13670.9	15441.2	17211.4	19037.9	20864.4	21968.7	20864.4
17539.2	52.5°	16580.9	15622.8	15525.9	15428.8	17543.4	19657.9	21917.8	24177.5	25501.2	24177.5
19979.7	55°	19032.9	18086.2	17708.4	17330.7	19684.1	22037.4	24731.5	27425.6	28999.9	27425.6
22199.5	57.5°	21683.9	21168.1	20410.5	19653.1	22029.4	24405.7	27457.2	30508.6	32460.8	30508.6
23541.1	60°	24341.8	25142.8	24202.0	23261.2	25510.0	27758.8	31025.9	34293.1	36403.1	34293.1
22859.8	62.5°	25047.9	27236.1	27130.0	27023.8	29083.9	31144.1	34252.5	37360.8	39311.0	37360.8
21496.3	65°	23550.0	25603.7	26010.0	26416.2	29034.1	31652.3	34666.4	37680.4	39340.8	37680.4
19669.4	67.5°	21622.6	23575.9	23766.4	23956.8	26684.5	29412.0	32439.1	35466.2	36767.0	35466.2
17474.5	70°	19599.0	21723.7	21808.8	21894.1	24333.5	26772.6	29377.6	31982.5	32705.5	31982.5
14859.0	72.5°	17296.9	19735.1	19796.3	19857.4	21765.9	23674.3	25625.3	27576.2	27649.4	27576.2
11550.2	75°	14073.5	16596.8	16823.3	17049.9	18534.7	20019.5	21392.9	22766.3	22398.4	22766.3
8252.4	77.5°	10607.8	12963.4	13287.7	13611.9	14740.6	15869.4	16843.4	17817.6	17185.1	17817.6
5401.2	80°	7382.8	9364.3	9767.3	10170.3	11022.8	11874.8	12386.4	12897.8	11880.4	12897.8
3139.7	82.5°	4494.4	5849.3	6299.4	6749.7	7336.5	7923.3	8136.7	8349.9	7550.3	8349.9
1381.4	85°	2100.4	2819.4	3202.3	3585.2	4067.3	4549.3	4670.4	4791.6	4151.1	4791.6
427.6	87.5°	669.3	911.0	1124.6	1338.2	1579.3	1820.4	1830.7	1840.8	1545.5	1840.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
5183.4	0°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
5721.4	2.5°	5712.5	5694.6	5676.7	5646.6	5616.6	5595.3	5574.2
6391.9	5°	6367.8	6328.1	6288.3	6214.9	6141.7	6067.7	5993.9
7037.0	7.5°	7001.7	6936.7	6871.7	6763.7	6655.7	6535.7	6415.6
7463.6	10°	7429.4	7353.0	7276.2	7149.5	7022.8	6880.8	6738.8
7603.2	12.5°	7584.5	7528.8	7473.1	7359.0	7244.4	7090.7	6936.7
7450.5	15°	7470.4	7468.4	7466.4	7394.4	7322.6	7189.9	7057.0
7071.8	17.5°	7145.6	7226.1	7306.7	7305.5	7304.1	7214.4	7124.7
6587.8	20°	6717.3	6895.1	7073.0	7167.4	7261.9	7230.5	7199.3
6127.4	22.5°	6289.3	6550.8	6812.4	7008.1	7203.8	7244.8	7285.8
5738.7	25°	5909.0	6226.6	6544.3	6841.4	7138.6	7267.9	7397.2
5427.2	27.5°	5594.7	5946.8	6298.8	6692.3	7085.9	7317.2	7548.3
5205.1	30°	5360.4	5727.2	6094.0	6578.5	7063.0	7407.5	7752.2
5141.4	32.5°	5263.3	5608.0	5952.7	6500.9	7049.1	7520.9	7992.9
5480.7	35°	5509.2	5748.5	5987.9	6559.0	7130.2	7707.7	8285.3
6479.4	37.5°	6349.4	6364.9	6380.4	6899.5	7418.6	8098.1	8777.5
8132.7	40°	7816.5	7544.0	7271.5	7657.5	8043.6	8782.5	9521.4
10360.8	42.5°	9785.6	9191.3	8596.9	8819.3	9041.7	9774.8	10508.0
13062.3	45°	12117.1	11164.8	10212.6	10310.9	10408.9	11067.7	11726.3
16059.2	47.5°	14675.4	13302.2	11928.6	11948.4	11968.3	12609.2	13249.9
19037.9	50°	17211.4	15441.2	13670.9	13667.6	13664.2	14455.4	15246.8
21917.8	52.5°	19657.9	17543.4	15428.8	15525.9	15622.8	16580.9	17539.2
24731.5	55°	22037.4	19684.1	17330.7	17708.4	18086.2	19032.9	19979.7
27457.2	57.5°	24405.7	22029.4	19653.1	20410.5	21168.1	21683.9	22199.5
31025.9	60°	27758.8	25510.0	23261.2	24202.0	25142.8	24341.8	23541.1
34252.5	62.5°	31144.1	29083.9	27023.8	27130.0	27236.1	25047.9	22859.8
34666.4	65°	31652.3	29034.1	26416.2	26010.0	25603.7	23550.0	21496.3
32439.1	67.5°	29412.0	26684.5	23956.8	23766.4	23575.9	21622.6	19669.4
29377.6	70°	26772.6	24333.5	21894.1	21808.8	21723.7	19599.0	17474.5
25625.3	72.5°	23674.3	21765.9	19857.4	19796.3	19735.1	17296.9	14859.0
21392.9	75°	20019.5	18534.7	17049.9	16823.3	16596.8	14073.5	11550.2
16843.4	77.5°	15869.4	14740.6	13611.9	13287.7	12963.4	10607.8	8252.4
12386.4	80°	11874.8	11022.8	10170.3	9767.3	9364.3	7382.8	5401.2
8136.7	82.5°	7923.3	7336.5	6749.7	6299.4	5849.3	4494.4	3139.7
4670.4	85°	4549.3	4067.3	3585.2	3202.3	2819.4	2100.4	1381.4
1830.7	87.5°	1820.4	1579.3	1338.2	1124.6	911.0	669.3	427.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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