

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: P953872

Luminaire Tested: **GALN-SB7B-750-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953872
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-SB7B-750-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42216 lumens
Efficiency: N/A
Efficacy: 164.5 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

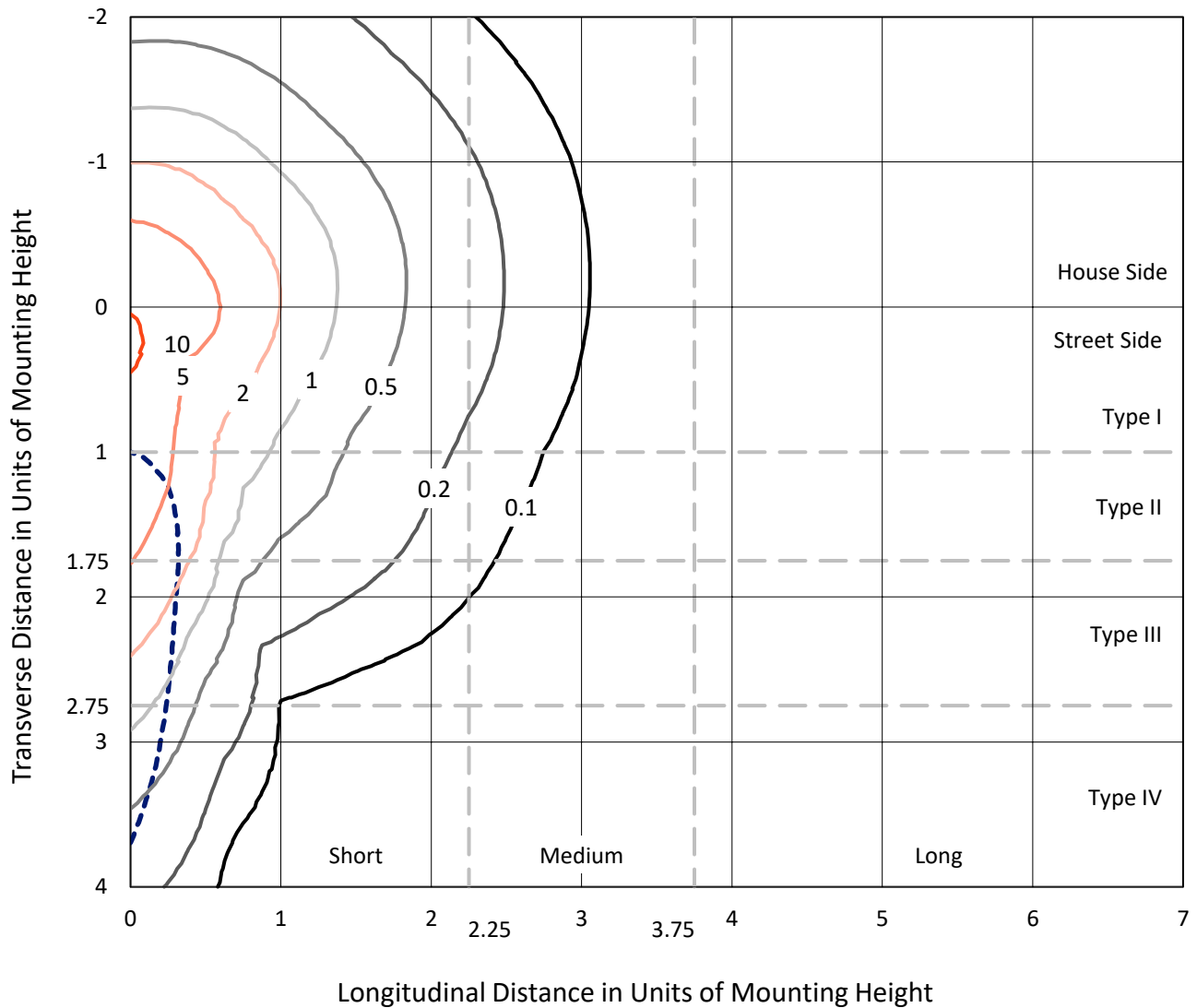
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

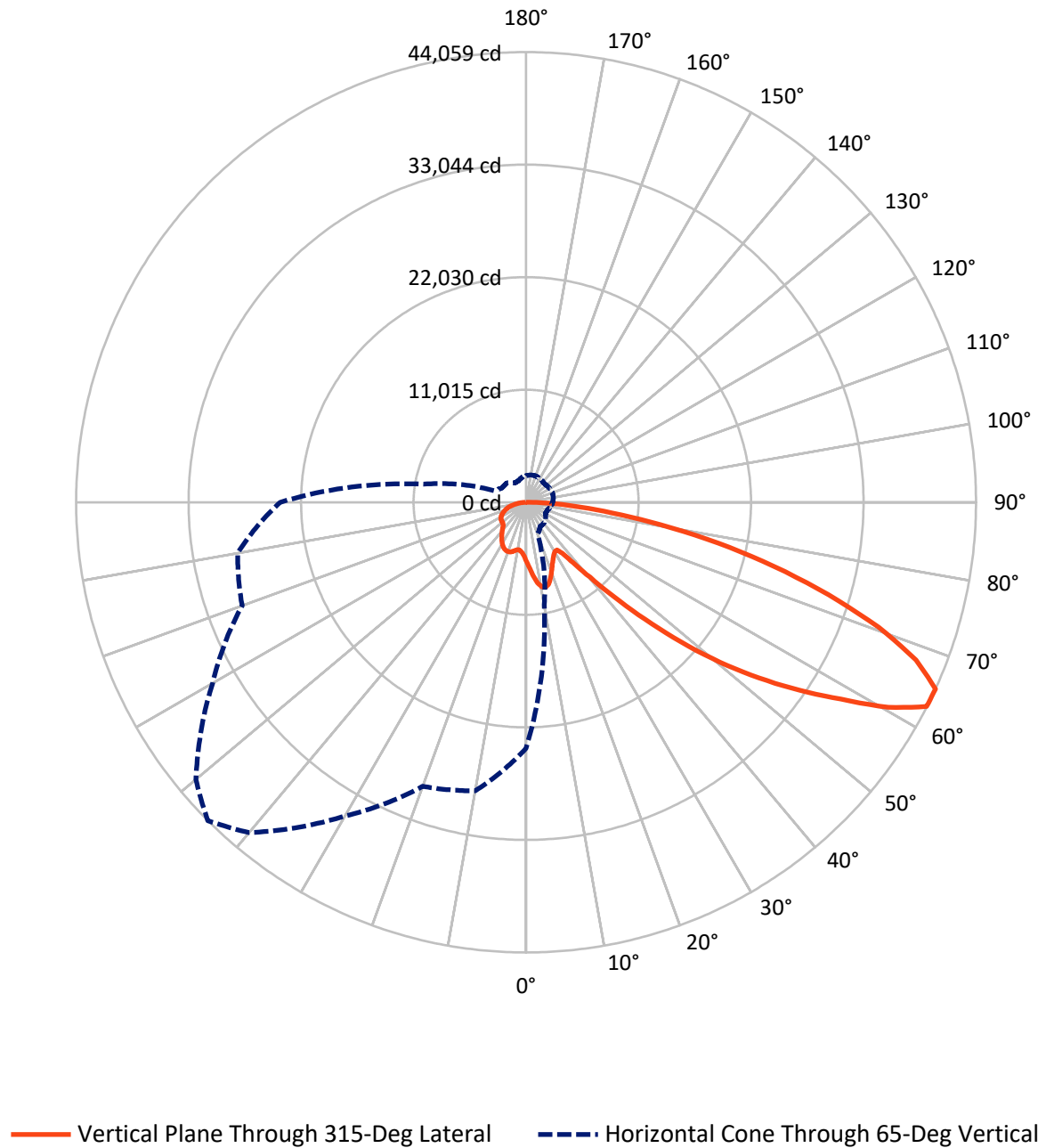
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	10729.2	0.0	10729.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	31486.8	0.0	31486.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	42216.0	0.0	42216.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.9	1.4
10°-20°	1807.7	4.3
20°-30°	2792.3	6.6
30°-40°	3538.6	8.4
40°-50°	5337.1	12.6
50°-60°	8622.8	20.4
60°-70°	10749.7	25.5
70°-80°	7049.1	16.7
80°-90°	1742.7	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°	42216.0	100.0
0°-180°	42216.0	100.0



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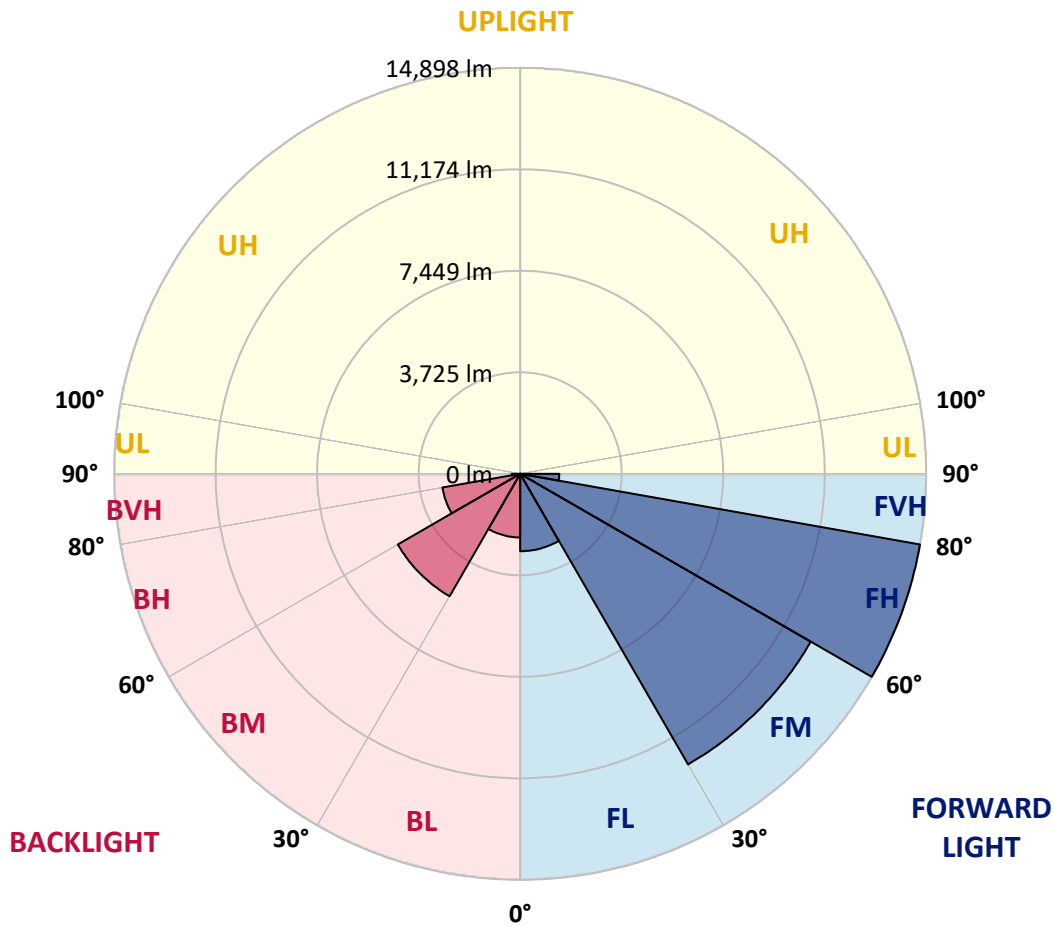
CATALOG NUMBER: GALN-SB7B-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2839.5	6.7			
FM (30°-60°)	12313.5	29.2			
FH (60°-80°)	14898.2	35.3			G5
FVH (80°-90°)	1435.6	3.4			G5
BL (0°-30°)	2336.4	5.5	B3/2500		
BM (30°-60°)	5185.0	12.3	B4/8500		
BH (60°-80°)	2900.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	307.1	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°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
2.5°	6242.8	6194.9	6147.0	6096.0	6045.2	5994.0	5942.7	5893.7	5844.7	5797.3
5°	6712.8	6607.0	6501.2	6395.6	6290.2	6184.0	6077.9	5978.8	5879.7	5786.1
7.5°	7185.0	7010.4	6836.0	6674.7	6513.4	6356.4	6199.3	6061.0	5922.7	5795.0
10°	7547.0	7326.3	7105.5	6892.3	6679.4	6488.7	6297.8	6134.3	5970.3	5812.9
12.5°	7768.7	7526.1	7283.7	7042.3	6800.8	6575.8	6350.8	6165.7	5980.6	5815.1
15°	7903.4	7650.6	7397.8	7135.8	6873.9	6614.8	6355.7	6141.4	5927.1	5743.8
17.5°	7979.2	7722.8	7466.4	7180.6	6894.8	6594.1	6293.3	6035.6	5777.9	5562.3
20°	8062.7	7796.3	7529.7	7215.6	6901.5	6537.0	6172.6	5853.2	5533.7	5282.7
22.5°	8159.6	7887.4	7615.0	7262.8	6910.4	6467.1	6023.8	5639.1	5254.4	4968.6
25°	8284.4	8017.5	7750.9	7348.3	6945.6	6398.0	5850.7	5400.1	4949.7	4656.7
27.5°	8453.7	8199.3	7944.7	7482.0	7019.1	6351.9	5684.8	5181.6	4678.4	4411.7
30°	8682.0	8436.1	8190.4	7655.1	7119.8	6330.3	5540.4	4998.9	4457.4	4233.5
32.5°	8951.5	8708.0	8464.8	7835.7	7206.7	6303.6	5400.1	4841.4	4282.5	4102.1
35°	9279.0	9046.0	8812.7	8041.6	7270.4	6253.3	5236.6	4686.6	4136.6	3986.2
37.5°	9830.3	9533.1	9236.0	8272.1	7308.2	6167.0	5025.9	4504.4	3982.9	3851.5
40°	10663.4	10230.4	9797.3	8564.8	7332.1	6048.3	4764.8	4287.0	3809.2	3690.0
42.5°	11768.3	11143.2	10518.2	8947.7	7377.3	5925.8	4474.8	4047.1	3619.4	3509.5
45°	13132.7	12289.5	11446.4	9451.6	7456.8	5812.0	4167.3	3792.2	3417.1	3305.7
47.5°	14839.0	13652.4	12465.5	9988.5	7511.4	5718.0	3924.5	3590.6	3256.7	3113.0
50°	17075.5	15286.5	13497.3	10486.5	7475.7	5615.5	3755.2	3456.8	3158.3	2969.4
52.5°	19642.8	17003.1	14363.4	10810.0	7256.3	5442.4	3628.7	3368.5	3108.6	2891.4
55°	22376.0	18525.0	14674.2	10738.7	6803.0	5155.5	3508.0	3304.6	3101.2	2899.2
57.5°	24862.0	19603.6	14345.1	10237.0	6129.2	4751.0	3372.6	3228.9	3085.2	2907.0
60°	26364.5	19873.1	13381.5	9303.5	5225.4	4225.7	3226.0	3113.0	3000.1	2882.5
62.5°	25601.5	18738.1	11874.8	8041.1	4207.4	3597.1	2986.7	2911.7	2836.8	2822.3
65°	24074.5	17132.3	10190.0	6753.1	3316.4	3031.5	2746.6	2711.2	2675.8	2677.5
67.5°	22028.5	15221.3	8414.0	5491.4	2568.8	2488.0	2406.9	2426.7	2446.3	2441.4
70°	19570.4	13136.0	6701.7	4323.7	1945.8	1969.0	1991.9	2083.7	2175.2	2175.2
72.5°	16641.1	10875.5	5110.1	3305.5	1500.9	1570.7	1640.6	1770.7	1900.6	1922.4
75°	12935.5	8284.1	3632.7	2399.1	1165.5	1228.7	1292.0	1437.7	1583.4	1684.0
77.5°	9242.2	5798.2	2354.1	1625.7	897.3	940.3	983.5	1124.9	1266.4	1432.3
80°	6049.0	3735.6	1422.3	1047.4	672.7	690.5	708.4	828.2	947.8	1146.1
82.5°	3516.2	2162.1	808.2	644.2	480.7	483.8	487.4	575.6	663.8	833.1
85°	1547.1	972.6	398.3	344.4	290.7	289.1	287.4	352.0	416.6	542.4
87.5°	478.9	318.5	158.2	142.8	127.4	125.9	124.3	150.6	177.1	229.4
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°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
5744.5	2.5°	5701.7	5659.2	5620.6	5582.3	5548.7	5515.0	5481.2	5447.5	5421.5	5395.2
5693.7	5°	5613.0	5532.2	5464.5	5397.0	5337.3	5277.6	5223.4	5169.1	5127.4	5085.6
5675.4	7.5°	5568.0	5460.9	5371.8	5282.7	5207.6	5132.3	5066.0	4999.8	4950.1	4900.7
5684.3	10°	5571.2	5458.0	5368.9	5279.8	5198.9	5117.9	5043.2	4968.6	4909.4	4849.9
5695.5	12.5°	5602.8	5510.6	5451.3	5392.5	5328.8	5265.5	5188.2	5111.2	5035.4	4959.7
5648.0	15°	5603.7	5559.6	5567.6	5575.6	5559.1	5542.7	5475.6	5408.6	5300.7	5192.9
5503.2	17.5°	5519.5	5535.5	5632.6	5729.8	5781.5	5832.9	5778.8	5724.9	5582.1	5439.3
5267.1	20°	5342.8	5418.6	5587.2	5756.1	5864.1	5972.1	5947.2	5922.0	5758.7	5595.7
4999.1	22.5°	5111.2	5223.2	5415.7	5608.6	5749.2	5889.7	5904.9	5919.8	5763.9	5607.9
4739.2	25°	4868.4	4997.6	5170.6	5344.0	5482.3	5620.6	5672.3	5723.8	5595.9	5468.3
4512.0	27.5°	4636.7	4761.4	4903.8	5045.9	5156.8	5267.8	5325.2	5382.9	5291.8	5200.9
4312.1	30°	4411.0	4510.4	4628.5	4746.5	4838.5	4930.7	4977.5	5024.3	4955.0	4885.5
4137.1	32.5°	4195.6	4254.2	4348.5	4442.9	4531.1	4619.5	4671.5	4723.6	4659.9	4595.9
3971.8	35°	3987.8	4004.1	4076.0	4147.7	4235.1	4322.6	4385.0	4447.4	4401.9	4356.7
3798.5	37.5°	3780.6	3762.8	3814.5	3866.0	3953.1	4040.4	4117.5	4194.5	4173.6	4152.6
3608.7	40°	3568.4	3528.0	3565.2	3602.4	3686.6	3770.8	3859.5	3948.4	3953.5	3958.4
3407.1	42.5°	3353.6	3300.2	3330.4	3361.0	3440.7	3520.7	3616.5	3712.3	3737.9	3763.5
3206.6	45°	3154.5	3102.6	3128.0	3153.8	3229.5	3305.3	3404.6	3504.0	3540.7	3577.5
3027.7	47.5°	2984.1	2940.4	2964.5	2988.3	3062.5	3136.4	3234.4	3332.5	3374.8	3417.1
2870.2	50°	2831.5	2792.9	2830.4	2868.0	2938.0	3007.7	3095.4	3183.2	3237.6	3291.9
2752.8	52.5°	2714.5	2676.4	2732.8	2788.9	2853.1	2917.0	2998.8	3080.7	3145.1	3209.5
2690.5	55°	2629.9	2569.5	2649.5	2729.2	2798.3	2867.3	2939.1	3010.6	3078.7	3147.1
2653.0	57.5°	2564.8	2476.6	2562.6	2648.6	2729.7	2810.8	2881.6	2952.7	3021.5	3090.1
2617.8	60°	2503.6	2389.1	2464.6	2539.9	2633.0	2726.1	2798.1	2870.2	2939.3	3008.3
2576.9	62.5°	2433.8	2291.1	2339.0	2386.8	2495.3	2604.0	2680.9	2757.7	2821.0	2884.3
2490.4	65°	2338.5	2186.4	2204.9	2223.1	2339.4	2455.9	2529.4	2602.9	2658.6	2714.3
2336.3	67.5°	2209.8	2083.2	2077.4	2071.6	2179.0	2286.6	2356.3	2425.8	2473.9	2522.1
2140.7	70°	2050.7	1960.7	1940.7	1920.6	2015.1	2109.5	2169.7	2229.8	2273.2	2316.7
1922.8	72.5°	1861.1	1799.4	1770.0	1740.9	1815.3	1889.4	1943.8	1998.1	2040.7	2083.2
1675.6	75°	1628.1	1580.5	1552.4	1524.1	1579.4	1634.6	1683.8	1733.1	1771.8	1810.6
1427.9	77.5°	1389.8	1351.7	1323.2	1294.7	1339.7	1384.4	1426.8	1469.1	1509.9	1550.4
1145.4	80°	1113.6	1081.5	1057.7	1033.6	1071.0	1108.2	1143.9	1179.5	1210.5	1241.2
842.5	82.5°	826.9	811.3	794.4	777.4	774.3	771.2	758.7	746.2	812.2	878.1
554.7	85°	538.0	521.3	502.3	483.4	467.3	451.1	416.6	382.0	443.7	505.7
245.0	87.5°	238.4	231.7	228.1	224.5	223.9	223.2	196.9	170.4	196.2	222.3
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
5374.0	2.5°	5352.9	5336.4	5319.9	5304.7	5289.4	5270.4	5289.4	5304.7	5319.9	5336.4
5056.4	5°	5027.2	5006.5	4985.8	4969.9	4954.1	4938.5	4954.1	4969.9	4985.8	5006.5
4865.9	7.5°	4831.2	4807.3	4783.7	4769.5	4755.4	4744.7	4755.4	4769.5	4783.7	4807.3
4811.1	10°	4771.9	4749.4	4726.9	4714.9	4702.9	4698.0	4702.9	4714.9	4726.9	4749.4
4909.6	12.5°	4859.5	4834.3	4809.3	4799.1	4788.8	4787.1	4788.8	4799.1	4809.3	4834.3
5116.7	15°	5040.6	5005.6	4970.8	4957.5	4944.1	4943.0	4944.1	4957.5	4970.8	5005.6
5327.0	17.5°	5214.8	5163.1	5111.2	5094.2	5077.1	5074.4	5077.1	5094.2	5111.2	5163.1
5458.0	20°	5320.6	5254.4	5188.0	5166.9	5145.7	5139.0	5145.7	5166.9	5188.0	5254.4
5466.2	22.5°	5324.4	5254.6	5184.7	5161.3	5137.9	5127.9	5137.9	5161.3	5184.7	5254.6
5342.2	25°	5216.5	5155.9	5095.6	5073.5	5051.7	5038.8	5051.7	5073.5	5095.6	5155.9
5103.2	27.5°	5005.4	4964.8	4924.1	4914.0	4904.0	4900.7	4904.0	4914.0	4924.1	4964.8
4815.6	30°	4745.2	4724.5	4703.5	4703.5	4703.5	4706.9	4703.5	4703.5	4703.5	4724.5
4540.0	32.5°	4484.1	4470.5	4456.9	4458.7	4460.7	4464.1	4460.7	4458.7	4456.9	4470.5
4305.0	35°	4253.6	4232.8	4212.3	4207.9	4203.4	4201.2	4203.4	4207.9	4212.3	4232.8
4105.2	37.5°	4057.5	4019.9	3982.5	3962.6	3942.8	3931.7	3942.8	3962.6	3982.5	4019.9
3918.1	40°	3877.8	3823.0	3768.6	3731.6	3695.1	3673.3	3695.1	3731.6	3768.6	3823.0
3729.4	42.5°	3695.5	3627.6	3559.7	3506.0	3452.3	3417.1	3452.3	3506.0	3559.7	3627.6
3546.7	45°	3516.2	3438.5	3361.0	3297.9	3234.9	3194.3	3234.9	3297.9	3361.0	3438.5
3395.7	47.5°	3374.3	3305.3	3236.2	3177.9	3119.7	3080.7	3119.7	3177.9	3236.2	3305.3
3290.6	50°	3289.7	3234.4	3179.2	3125.3	3071.4	3034.0	3071.4	3125.3	3179.2	3234.4
3221.1	52.5°	3232.7	3187.7	3142.7	3094.3	3046.2	3011.7	3046.2	3094.3	3142.7	3187.7
3163.2	55°	3179.2	3140.0	3100.8	3058.5	3016.1	2985.0	3016.1	3058.5	3100.8	3140.0
3106.4	57.5°	3122.6	3083.0	3043.3	3001.4	2959.3	2927.0	2959.3	3001.4	3043.3	3083.0
3026.2	60°	3044.0	3005.2	2966.7	2923.5	2880.3	2846.8	2880.3	2923.5	2966.7	3005.2
2901.4	62.5°	2918.6	2883.6	2848.6	2803.2	2757.7	2717.6	2757.7	2803.2	2848.6	2883.6
2731.9	65°	2749.3	2715.6	2682.0	2637.9	2594.0	2559.5	2594.0	2637.9	2682.0	2715.6
2539.2	67.5°	2556.1	2525.2	2494.4	2453.5	2412.5	2381.3	2412.5	2453.5	2494.4	2525.2
2333.2	70°	2349.6	2324.5	2299.3	2260.1	2220.9	2185.3	2220.9	2260.1	2299.3	2324.5
2102.8	72.5°	2122.4	2101.5	2080.6	2043.1	2005.9	1971.4	2005.9	2043.1	2080.6	2101.5
1831.1	75°	1851.6	1841.3	1831.1	1799.7	1768.2	1735.3	1768.2	1799.7	1831.1	1841.3
1569.6	77.5°	1588.7	1574.5	1559.7	1528.1	1496.5	1470.2	1496.5	1528.1	1559.7	1574.5
1266.6	80°	1292.0	1285.8	1279.7	1237.2	1194.4	1145.0	1194.4	1237.2	1279.7	1285.8
921.3	82.5°	964.5	961.9	959.0	923.1	887.0	855.4	887.0	923.1	959.0	961.9
559.1	85°	612.6	608.1	603.7	575.6	547.5	519.0	547.5	575.6	603.7	608.1
243.9	87.5°	265.5	260.2	254.4	240.1	225.4	211.6	225.4	240.1	254.4	260.2
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°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
5352.9	2.5°	5374.0	5395.2	5421.5	5447.5	5481.2	5515.0	5548.7	5582.3	5620.6	5659.2
5027.2	5°	5056.4	5085.6	5127.4	5169.1	5223.4	5277.6	5337.3	5397.0	5464.5	5532.2
4831.2	7.5°	4865.9	4900.7	4950.1	4999.8	5066.0	5132.3	5207.6	5282.7	5371.8	5460.9
4771.9	10°	4811.1	4849.9	4909.4	4968.6	5043.2	5117.9	5198.9	5279.8	5368.9	5458.0
4859.5	12.5°	4909.6	4959.7	5035.4	5111.2	5188.2	5265.5	5328.8	5392.5	5451.3	5510.6
5040.6	15°	5116.7	5192.9	5300.7	5408.6	5475.6	5542.7	5559.1	5575.6	5567.6	5559.6
5214.8	17.5°	5327.0	5439.3	5582.1	5724.9	5778.8	5832.9	5781.5	5729.8	5632.6	5535.5
5320.6	20°	5458.0	5595.7	5758.7	5922.0	5947.2	5972.1	5864.1	5756.1	5587.2	5418.6
5324.4	22.5°	5466.2	5607.9	5763.9	5919.8	5904.9	5889.7	5749.2	5608.6	5415.7	5223.2
5216.5	25°	5342.2	5468.3	5595.9	5723.8	5672.3	5620.6	5482.3	5344.0	5170.6	4997.6
5005.4	27.5°	5103.2	5200.9	5291.8	5382.9	5325.2	5267.8	5156.8	5045.9	4903.8	4761.4
4745.2	30°	4815.6	4885.5	4955.0	5024.3	4977.5	4930.7	4838.5	4746.5	4628.5	4510.4
4484.1	32.5°	4540.0	4595.9	4659.9	4723.6	4671.5	4619.5	4531.1	4442.9	4348.5	4254.2
4253.6	35°	4305.0	4356.7	4401.9	4447.4	4385.0	4322.6	4235.1	4147.7	4076.0	4004.1
4057.5	37.5°	4105.2	4152.6	4173.6	4194.5	4117.5	4040.4	3953.1	3866.0	3814.5	3762.8
3877.8	40°	3918.1	3958.4	3953.5	3948.4	3859.5	3770.8	3686.6	3602.4	3565.2	3528.0
3695.5	42.5°	3729.4	3763.5	3737.9	3712.3	3616.5	3520.7	3440.7	3361.0	3330.4	3300.2
3516.2	45°	3546.7	3577.5	3540.7	3504.0	3404.6	3305.3	3229.5	3153.8	3128.0	3102.6
3374.3	47.5°	3395.7	3417.1	3374.8	3332.5	3234.4	3136.4	3062.5	2988.3	2964.5	2940.4
3289.7	50°	3290.6	3291.9	3237.6	3183.2	3095.4	3007.7	2938.0	2868.0	2830.4	2792.9
3232.7	52.5°	3221.1	3209.5	3145.1	3080.7	2998.8	2917.0	2853.1	2788.9	2732.8	2676.4
3179.2	55°	3163.2	3147.1	3078.7	3010.6	2939.1	2867.3	2798.3	2729.2	2649.5	2569.5
3122.6	57.5°	3106.4	3090.1	3021.5	2952.7	2881.6	2810.8	2729.7	2648.6	2562.6	2476.6
3044.0	60°	3026.2	3008.3	2939.3	2870.2	2798.1	2726.1	2633.0	2539.9	2464.6	2389.1
2918.6	62.5°	2901.4	2884.3	2821.0	2757.7	2680.9	2604.0	2495.3	2386.8	2339.0	2291.1
2749.3	65°	2731.9	2714.3	2658.6	2602.9	2529.4	2455.9	2339.4	2223.1	2204.9	2186.4
2556.1	67.5°	2539.2	2522.1	2473.9	2425.8	2356.3	2286.6	2179.0	2071.6	2077.4	2083.2
2349.6	70°	2333.2	2316.7	2273.2	2229.8	2169.7	2109.5	2015.1	1920.6	1940.7	1960.7
2122.4	72.5°	2102.8	2083.2	2040.7	1998.1	1943.8	1889.4	1815.3	1740.9	1770.0	1799.4
1851.6	75°	1831.1	1810.6	1771.8	1733.1	1683.8	1634.6	1579.4	1524.1	1552.4	1580.5
1588.7	77.5°	1569.6	1550.4	1509.9	1469.1	1426.8	1384.4	1339.7	1294.7	1323.2	1351.7
1292.0	80°	1266.6	1241.2	1210.5	1179.5	1143.9	1108.2	1071.0	1033.6	1057.7	1081.5
964.5	82.5°	921.3	878.1	812.2	746.2	758.7	771.2	774.3	777.4	794.4	811.3
612.6	85°	559.1	505.7	443.7	382.0	416.6	451.1	467.3	483.4	502.3	521.3
265.5	87.5°	243.9	222.3	196.2	170.4	196.9	223.2	223.9	224.5	228.1	231.7
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°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
5701.7	2.5°	5744.5	5797.3	5844.7	5893.7	5942.7	5994.0	6045.2	6096.0	6147.0	6194.9
5613.0	5°	5693.7	5786.1	5879.7	5978.8	6077.9	6184.0	6290.2	6395.6	6501.2	6607.0
5568.0	7.5°	5675.4	5795.0	5922.7	6061.0	6199.3	6356.4	6513.4	6674.7	6836.0	7010.4
5571.2	10°	5684.3	5812.9	5970.3	6134.3	6297.8	6488.7	6679.4	6892.3	7105.5	7326.3
5602.8	12.5°	5695.5	5815.1	5980.6	6165.7	6350.8	6575.8	6800.8	7042.3	7283.7	7526.1
5603.7	15°	5648.0	5743.8	5927.1	6141.4	6355.7	6614.8	6873.9	7135.8	7397.8	7650.6
5519.5	17.5°	5503.2	5562.3	5777.9	6035.6	6293.3	6594.1	6894.8	7180.6	7466.4	7722.8
5342.8	20°	5267.1	5282.7	5533.7	5853.2	6172.6	6537.0	6901.5	7215.6	7529.7	7796.3
5111.2	22.5°	4999.1	4968.6	5254.4	5639.1	6023.8	6467.1	6910.4	7262.8	7615.0	7887.4
4868.4	25°	4739.2	4656.7	4949.7	5400.1	5850.7	6398.0	6945.6	7348.3	7750.9	8017.5
4636.7	27.5°	4512.0	4411.7	4678.4	5181.6	5684.8	6351.9	7019.1	7482.0	7944.7	8199.3
4411.0	30°	4312.1	4233.5	4457.4	4998.9	5540.4	6330.3	7119.8	7655.1	8190.4	8436.1
4195.6	32.5°	4137.1	4102.1	4282.5	4841.4	5400.1	6303.6	7206.7	7835.7	8464.8	8708.0
3987.8	35°	3971.8	3986.2	4136.6	4686.6	5236.6	6253.3	7270.4	8041.6	8812.7	9046.0
3780.6	37.5°	3798.5	3851.5	3982.9	4504.4	5025.9	6167.0	7308.2	8272.1	9236.0	9533.1
3568.4	40°	3608.7	3690.0	3809.2	4287.0	4764.8	6048.3	7332.1	8564.8	9797.3	10230.4
3353.6	42.5°	3407.1	3509.5	3619.4	4047.1	4474.8	5925.8	7377.3	8947.7	10518.2	11143.2
3154.5	45°	3206.6	3305.7	3417.1	3792.2	4167.3	5812.0	7456.8	9451.6	11446.4	12289.5
2984.1	47.5°	3027.7	3113.0	3256.7	3590.6	3924.5	5718.0	7511.4	9988.5	12465.5	13652.4
2831.5	50°	2870.2	2969.4	3158.3	3456.8	3755.2	5615.5	7475.7	10486.5	13497.3	15286.5
2714.5	52.5°	2752.8	2891.4	3108.6	3368.5	3628.7	5442.4	7256.3	10810.0	14363.4	17003.1
2629.9	55°	2690.5	2899.2	3101.2	3304.6	3508.0	5155.5	6803.0	10738.7	14674.2	18525.0
2564.8	57.5°	2653.0	2907.0	3085.2	3228.9	3372.6	4751.0	6129.2	10237.0	14345.1	19603.6
2503.6	60°	2617.8	2882.5	3000.1	3113.0	3226.0	4225.7	5225.4	9303.5	13381.5	19873.1
2433.8	62.5°	2576.9	2822.3	2836.8	2911.7	2986.7	3597.1	4207.4	8041.1	11874.8	18738.1
2338.5	65°	2490.4	2677.5	2675.8	2711.2	2746.6	3031.5	3316.4	6753.1	10190.0	17132.3
2209.8	67.5°	2336.3	2441.4	2446.3	2426.7	2406.9	2488.0	2568.8	5491.4	8414.0	15221.3
2050.7	70°	2140.7	2175.2	2175.2	2083.7	1991.9	1969.0	1945.8	4323.7	6701.7	13136.0
1861.1	72.5°	1922.8	1922.4	1900.6	1770.7	1640.6	1570.7	1500.9	3305.5	5110.1	10875.5
1628.1	75°	1675.6	1684.0	1583.4	1437.7	1292.0	1228.7	1165.5	2399.1	3632.7	8284.1
1389.8	77.5°	1427.9	1432.3	1266.4	1124.9	983.5	940.3	897.3	1625.7	2354.1	5798.2
1113.6	80°	1145.4	1146.1	947.8	828.2	708.4	690.5	672.7	1047.4	1422.3	3735.6
826.9	82.5°	842.5	833.1	663.8	575.6	487.4	483.8	480.7	644.2	808.2	2162.1
538.0	85°	554.7	542.4	416.6	352.0	287.4	289.1	290.7	344.4	398.3	972.6
238.4	87.5°	245.0	229.4	177.1	150.6	124.3	125.9	127.4	142.8	158.2	318.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
6242.8	2.5°	6266.4	6290.2	6323.9	6357.5	6377.6	6397.6	6407.6	6417.6	6413.2	6417.6
6712.8	5°	6795.4	6878.3	6960.3	7042.5	7087.0	7131.6	7158.5	7185.7	7206.2	7185.7
7185.0	7.5°	7319.6	7453.9	7574.9	7695.8	7768.7	7841.5	7880.9	7920.1	7939.1	7920.1
7547.0	10°	7706.1	7865.1	8007.0	8148.9	8234.9	8320.4	8358.8	8396.8	8411.3	8396.8
7768.7	12.5°	7941.1	8113.3	8241.6	8369.4	8431.8	8494.2	8515.1	8536.1	8538.3	8536.1
7903.4	15°	8052.2	8200.8	8281.2	8361.9	8364.1	8366.3	8344.1	8321.8	8295.5	8321.8
7979.2	17.5°	8079.6	8180.1	8181.7	8183.0	8092.8	8002.6	7919.9	7837.1	7778.7	7837.1
8062.7	20°	8097.7	8132.9	8027.1	7921.3	7722.1	7523.0	7378.0	7232.9	7143.8	7232.9
8159.6	22.5°	8113.7	8067.8	7848.6	7629.4	7336.5	7043.6	6862.3	6680.9	6582.5	6680.9
8284.4	25°	8139.6	7994.8	7662.0	7329.2	6973.4	6617.7	6427.0	6236.8	6143.7	6236.8
8453.7	27.5°	8194.8	7935.7	7494.9	7054.3	6660.0	6265.7	6078.2	5890.8	5802.8	5890.8
8682.0	30°	8295.9	7910.1	7367.5	6824.8	6414.1	6003.3	5829.3	5655.4	5573.4	5655.4
8951.5	32.5°	8422.9	7894.5	7280.6	6666.7	6280.7	5894.6	5758.1	5621.3	5562.3	5621.3
9279.0	35°	8632.1	7985.4	7345.7	6706.1	6437.9	6169.9	6138.1	6106.2	6101.3	6106.2
9830.3	37.5°	9069.4	8308.4	7727.0	7145.6	7128.2	7110.9	7256.6	7402.2	7478.0	7402.2
10663.4	40°	9835.9	9008.3	8575.9	8143.6	8448.8	8753.9	9108.1	9462.3	9638.7	9462.3
11768.3	42.5°	10947.2	10126.1	9877.1	9628.0	10293.6	10959.2	11603.4	12247.7	12625.9	12247.7
13132.7	45°	12395.1	11657.4	11547.5	11437.5	12503.8	13570.4	14628.9	15687.7	16330.4	15687.7
14839.0	47.5°	14121.5	13403.8	13381.5	13359.2	14897.6	16435.5	17985.2	19534.7	20444.7	19534.7
17075.5	50°	16189.1	15303.0	15306.8	15310.6	17293.1	19275.7	21321.2	23366.8	24603.6	23366.8
19642.8	52.5°	18569.5	17496.5	17388.0	17279.3	19647.4	22015.6	24546.6	27077.3	28559.8	27077.3
22376.0	55°	21315.7	20255.4	19832.3	19409.3	22045.0	24680.4	27697.7	30714.9	32478.1	30714.9
24862.0	57.5°	24284.6	23707.0	22858.5	22010.2	24671.5	27332.8	30750.4	34167.7	36354.0	34167.7
26364.5	60°	27261.3	28158.3	27104.7	26051.1	28569.6	31088.1	34747.1	38406.1	40769.1	38406.1
25601.5	62.5°	28052.1	30502.6	30383.9	30265.0	32572.1	34879.4	38360.6	41841.7	44025.8	41841.7
24074.5	65°	26374.5	28674.5	29129.6	29584.4	32516.4	35448.5	38824.2	42199.6	44059.2	42199.6
22028.5	67.5°	24216.0	26403.5	26616.9	26830.0	29884.9	32939.6	36329.8	39719.9	41176.7	39719.9
19570.4	70°	21949.6	24329.1	24424.5	24520.0	27251.9	29983.6	32901.1	35818.3	36628.0	35818.3
16641.1	72.5°	19371.4	22102.0	22170.6	22239.0	24376.4	26513.7	28698.8	30883.6	30965.5	30883.6
12935.5	75°	15761.4	18587.3	18841.1	19094.8	20757.7	22420.6	23958.7	25496.8	25084.7	25496.8
9242.2	77.5°	11880.1	14518.2	14881.3	15244.4	16508.6	17772.7	18863.6	19954.6	19246.3	19954.6
6049.0	80°	8268.3	10487.4	10938.7	11390.0	12344.8	13299.1	13872.0	14444.7	13305.3	14444.7
3516.2	82.5°	5033.4	6550.9	7055.0	7559.3	8216.4	8873.5	9112.6	9351.4	8455.9	9351.4
1547.1	85°	2352.3	3157.6	3586.4	4015.2	4555.2	5094.9	5230.6	5366.2	4649.0	5366.2
478.9	87.5°	749.6	1020.2	1259.5	1498.7	1768.7	2038.7	2050.3	2061.6	1730.8	2061.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
5805.1	0°	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1	5805.1
6407.6	2.5°	6397.6	6377.6	6357.5	6323.9	6290.2	6266.4	6242.8
7158.5	5°	7131.6	7087.0	7042.5	6960.3	6878.3	6795.4	6712.8
7880.9	7.5°	7841.5	7768.7	7695.8	7574.9	7453.9	7319.6	7185.0
8358.8	10°	8320.4	8234.9	8148.9	8007.0	7865.1	7706.1	7547.0
8515.1	12.5°	8494.2	8431.8	8369.4	8241.6	8113.3	7941.1	7768.7
8344.1	15°	8366.3	8364.1	8361.9	8281.2	8200.8	8052.2	7903.4
7919.9	17.5°	8002.6	8092.8	8183.0	8181.7	8180.1	8079.6	7979.2
7378.0	20°	7523.0	7722.1	7921.3	8027.1	8132.9	8097.7	8062.7
6862.3	22.5°	7043.6	7336.5	7629.4	7848.6	8067.8	8113.7	8159.6
6427.0	25°	6617.7	6973.4	7329.2	7662.0	7994.8	8139.6	8284.4
6078.2	27.5°	6265.7	6660.0	7054.3	7494.9	7935.7	8194.8	8453.7
5829.3	30°	6003.3	6414.1	6824.8	7367.5	7910.1	8295.9	8682.0
5758.1	32.5°	5894.6	6280.7	6666.7	7280.6	7894.5	8422.9	8951.5
6138.1	35°	6169.9	6437.9	6706.1	7345.7	7985.4	8632.1	9279.0
7256.6	37.5°	7110.9	7128.2	7145.6	7727.0	8308.4	9069.4	9830.3
9108.1	40°	8753.9	8448.8	8143.6	8575.9	9008.3	9835.9	10663.4
11603.4	42.5°	10959.2	10293.6	9628.0	9877.1	10126.1	10947.2	11768.3
14628.9	45°	13570.4	12503.8	11437.5	11547.5	11657.4	12395.1	13132.7
17985.2	47.5°	16435.5	14897.6	13359.2	13381.5	13403.8	14121.5	14839.0
21321.2	50°	19275.7	17293.1	15310.6	15306.8	15303.0	16189.1	17075.5
24546.6	52.5°	22015.6	19647.4	17279.3	17388.0	17496.5	18569.5	19642.8
27697.7	55°	24680.4	22045.0	19409.3	19832.3	20255.4	21315.7	22376.0
30750.4	57.5°	27332.8	24671.5	22010.2	22858.5	23707.0	24284.6	24862.0
34747.1	60°	31088.1	28569.6	26051.1	27104.7	28158.3	27261.3	26364.5
38360.6	62.5°	34879.4	32572.1	30265.0	30383.9	30502.6	28052.1	25601.5
38824.2	65°	35448.5	32516.4	29584.4	29129.6	28674.5	26374.5	24074.5
36329.8	67.5°	32939.6	29884.9	26830.0	26616.9	26403.5	24216.0	22028.5
32901.1	70°	29983.6	27251.9	24520.0	24424.5	24329.1	21949.6	19570.4
28698.8	72.5°	26513.7	24376.4	22239.0	22170.6	22102.0	19371.4	16641.1
23958.7	75°	22420.6	20757.7	19094.8	18841.1	18587.3	15761.4	12935.5
18863.6	77.5°	17772.7	16508.6	15244.4	14881.3	14518.2	11880.1	9242.2
13872.0	80°	13299.1	12344.8	11390.0	10938.7	10487.4	8268.3	6049.0
9112.6	82.5°	8873.5	8216.4	7559.3	7055.0	6550.9	5033.4	3516.2
5230.6	85°	5094.9	4555.2	4015.2	3586.4	3157.6	2352.3	1547.1
2050.3	87.5°	2038.7	1768.7	1498.7	1259.5	1020.2	749.6	478.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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