

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: P954460

Luminaire Tested: **GALN-SB7C-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954460
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-SB7C-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36918 lumens
Efficiency: N/A
Efficacy: 105.3 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

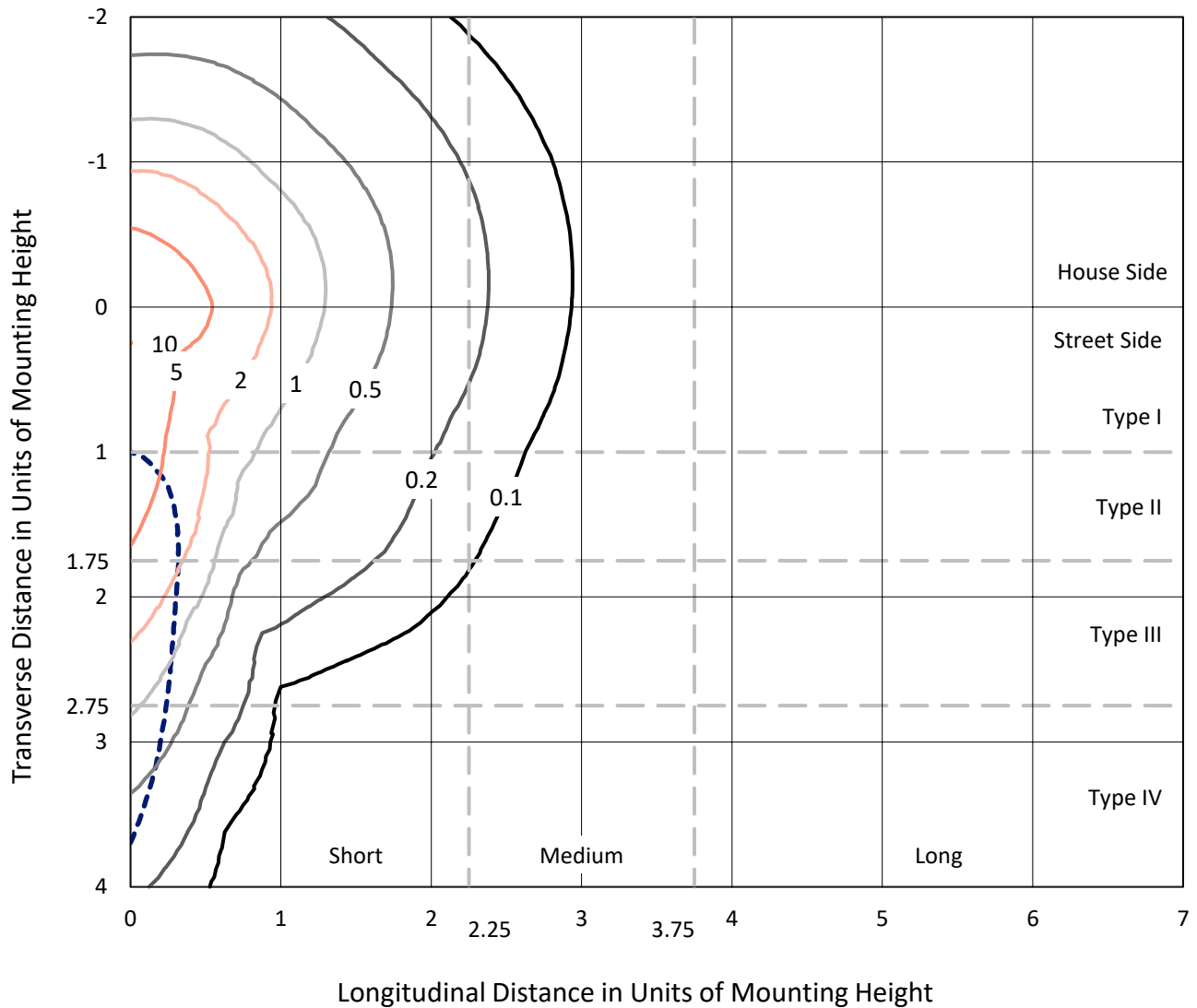
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

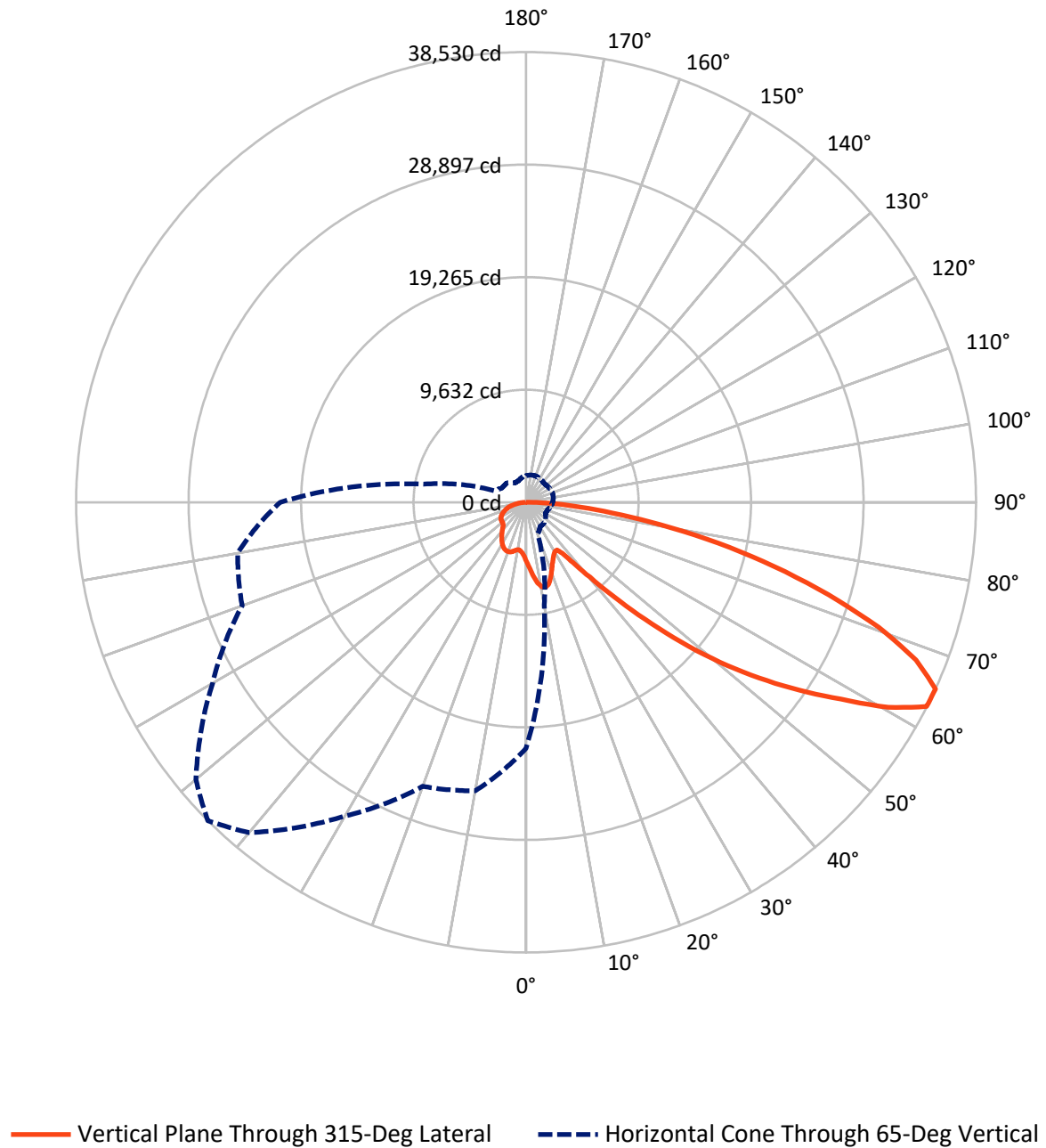
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	9382.7	0.0	9382.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	27535.3	0.0	27535.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	36918.0	0.0	36918.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.6	1.4
10°-20°	1580.9	4.3
20°-30°	2441.9	6.6
30°-40°	3094.5	8.4
40°-50°	4667.3	12.6
50°-60°	7540.7	20.4
60°-70°	9400.7	25.5
70°-80°	6164.5	16.7
80°-90°	1524.0	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°	36918.0	100.0
0°-180°	36918.0	100.0



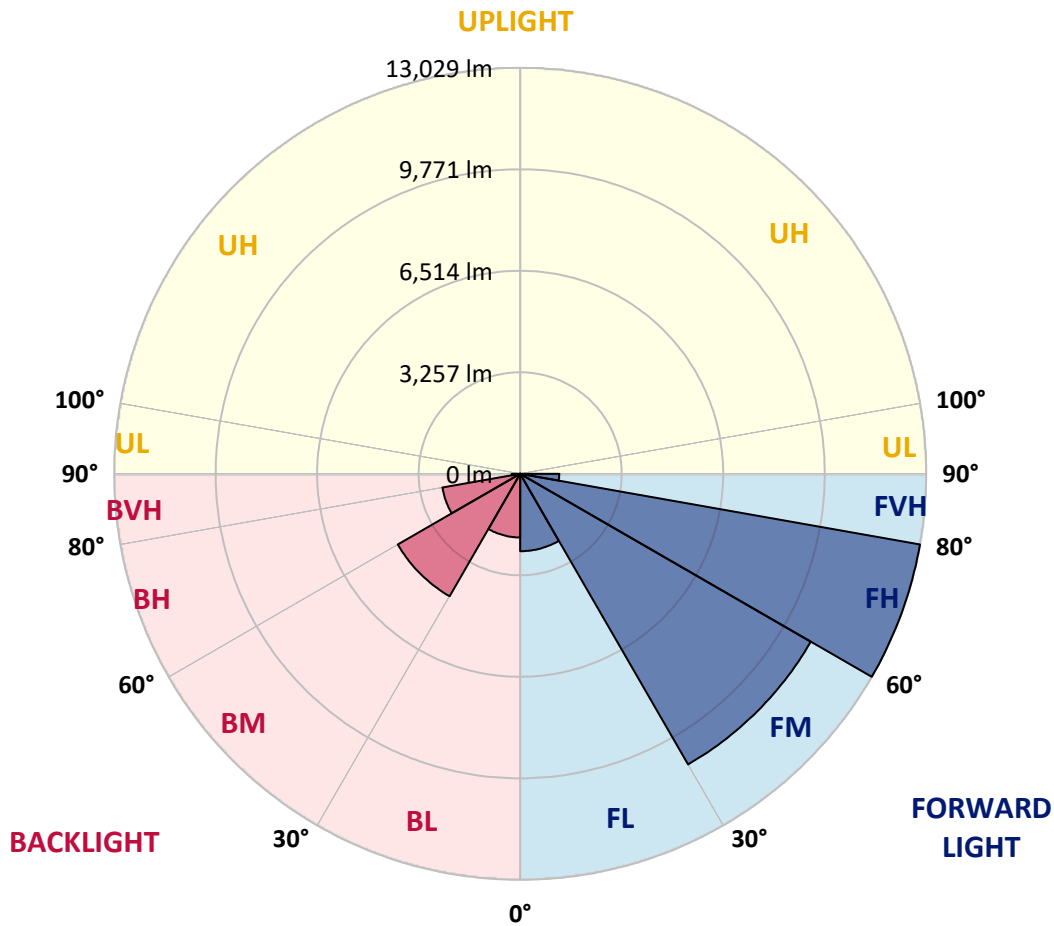
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2483.2	6.7			
FM (30°-60°)	10768.2	29.2			
FH (60°-80°)	13028.5	35.3			G5
FVH (80°-90°)	1255.5	3.4			G5
BL (0°-30°)	2043.2	5.5	B3/2500		
BM (30°-60°)	4534.3	12.3	B3/5000		
BH (60°-80°)	2536.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	268.6	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°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
2.5°	5459.3	5417.4	5375.6	5331.0	5286.5	5241.7	5196.9	5154.1	5111.2	5069.7
5°	5870.4	5777.8	5685.3	5593.0	5500.8	5407.9	5315.2	5228.5	5141.8	5060.0
7.5°	6283.3	6130.6	5978.1	5837.1	5696.0	5558.7	5421.3	5300.4	5179.4	5067.8
10°	6599.9	6406.8	6213.8	6027.4	5841.1	5674.4	5507.4	5364.5	5221.1	5083.4
12.5°	6793.7	6581.6	6369.6	6158.5	5947.3	5750.6	5553.8	5391.9	5230.0	5085.3
15°	6911.6	6690.5	6469.4	6240.3	6011.2	5784.6	5558.1	5370.7	5183.3	5023.0
17.5°	6977.8	6753.6	6529.4	6279.4	6029.5	5766.5	5503.5	5278.2	5052.8	4864.2
20°	7050.9	6817.9	6584.7	6310.0	6035.4	5716.7	5398.0	5118.6	4839.3	4619.7
22.5°	7135.6	6897.6	6659.3	6351.3	6043.2	5655.5	5267.8	4931.4	4595.0	4345.1
25°	7244.7	7011.3	6778.1	6426.1	6073.9	5595.1	5116.5	4722.4	4328.5	4072.3
27.5°	7392.7	7170.3	6947.6	6543.0	6138.2	5554.8	4971.3	4531.3	4091.2	3858.1
30°	7592.4	7377.4	7162.5	6694.4	6226.3	5535.9	4845.1	4371.6	3898.0	3702.2
32.5°	7828.1	7615.2	7402.5	6852.4	6302.2	5512.5	4722.4	4233.8	3745.1	3587.3
35°	8114.5	7910.7	7706.8	7032.4	6358.0	5468.5	4579.4	4098.4	3617.5	3486.0
37.5°	8596.6	8336.8	8076.9	7234.0	6391.1	5393.1	4395.1	3939.1	3483.1	3368.1
40°	9325.2	8946.5	8567.8	7489.9	6411.9	5289.3	4166.8	3749.0	3331.1	3226.9
42.5°	10291.4	9744.8	9198.2	7824.8	6451.5	5182.1	3913.2	3539.2	3165.1	3069.1
45°	11484.6	10747.2	10009.9	8265.5	6521.0	5082.6	3644.4	3316.3	2988.3	2890.9
47.5°	12976.7	11939.0	10901.1	8734.9	6568.7	5000.4	3432.0	3140.0	2848.0	2722.4
50°	14932.6	13368.1	11803.4	9170.5	6537.6	4910.8	3284.0	3022.9	2761.9	2596.7
52.5°	17177.6	14869.2	12560.8	9453.4	6345.7	4759.4	3173.3	2945.8	2718.5	2528.5
55°	19567.9	16200.1	12832.6	9391.0	5949.3	4508.5	3067.7	2889.9	2712.0	2535.3
57.5°	21741.9	17143.4	12544.9	8952.3	5360.0	4154.7	2949.3	2823.7	2698.0	2542.2
60°	23055.8	17379.1	11702.2	8135.9	4569.7	3695.4	2821.1	2722.4	2623.6	2520.7
62.5°	22388.6	16386.6	10384.5	7032.0	3679.4	3145.7	2611.9	2546.3	2480.8	2468.1
65°	21053.2	14982.2	8911.2	5905.6	2900.2	2651.1	2401.9	2370.9	2340.0	2341.5
67.5°	19264.0	13311.0	7358.1	4802.3	2246.5	2175.7	2104.8	2122.2	2139.3	2135.0
70°	17114.3	11487.5	5860.6	3781.1	1701.6	1721.9	1741.9	1822.2	1902.2	1902.2
72.5°	14552.7	9510.6	4468.8	2890.7	1312.6	1373.5	1434.7	1548.5	1662.1	1681.1
75°	11312.2	7244.5	3176.8	2098.0	1019.2	1074.5	1129.9	1257.3	1384.7	1472.7
77.5°	8082.3	5070.5	2058.7	1421.7	784.7	822.3	860.1	983.8	1107.4	1252.6
80°	5289.9	3266.8	1243.8	916.0	588.3	603.9	619.5	724.3	828.9	1002.3
82.5°	3075.0	1890.7	706.7	563.4	420.4	423.1	426.2	503.4	580.5	728.6
85°	1352.9	850.5	348.3	301.2	254.2	252.9	251.3	307.8	364.3	474.3
87.5°	418.8	278.6	138.3	124.9	111.4	110.1	108.7	131.7	154.9	200.6
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°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
5023.6	2.5°	4986.2	4948.9	4915.2	4881.7	4852.3	4822.9	4793.3	4763.9	4741.1	4718.1
4979.1	5°	4908.6	4837.9	4778.7	4719.7	4667.5	4615.3	4567.9	4520.4	4484.0	4447.3
4963.2	7.5°	4869.3	4775.6	4697.7	4619.7	4554.1	4488.2	4430.2	4372.3	4328.9	4285.6
4971.0	10°	4872.0	4773.0	4695.1	4617.2	4546.5	4475.6	4410.3	4345.1	4293.2	4241.2
4980.7	12.5°	4899.7	4819.0	4767.2	4715.8	4660.1	4604.7	4537.1	4469.7	4403.5	4337.3
4939.2	15°	4900.4	4861.9	4868.9	4875.9	4861.5	4847.1	4788.4	4729.8	4635.5	4541.2
4812.6	17.5°	4826.8	4840.8	4925.8	5010.7	5055.9	5100.9	5053.6	5006.4	4881.5	4756.7
4606.1	20°	4672.3	4738.6	4886.0	5033.7	5128.2	5222.6	5200.8	5178.8	5036.0	4893.4
4371.7	22.5°	4469.7	4567.7	4736.0	4904.7	5027.6	5150.6	5163.8	5176.9	5040.5	4904.1
4144.4	25°	4257.4	4370.4	4521.7	4673.3	4794.3	4915.2	4960.4	5005.4	4893.6	4782.0
3945.7	27.5°	4054.8	4163.9	4288.4	4412.7	4509.7	4606.7	4656.9	4707.4	4627.7	4548.2
3771.0	30°	3857.5	3944.4	4047.6	4150.8	4231.3	4311.9	4352.9	4393.8	4333.2	4272.4
3617.9	32.5°	3669.1	3720.3	3802.7	3885.3	3962.5	4039.8	4085.2	4130.8	4075.1	4019.2
3473.3	35°	3487.3	3501.6	3564.5	3627.2	3703.6	3780.1	3834.7	3889.2	3849.5	3809.9
3321.8	37.5°	3306.2	3290.6	3335.8	3380.8	3457.0	3533.3	3600.7	3668.1	3649.8	3631.5
3155.8	40°	3120.5	3085.3	3117.8	3150.3	3224.0	3297.6	3375.1	3452.9	3457.3	3461.6
2979.5	42.5°	2932.7	2886.0	2912.5	2939.2	3008.9	3078.8	3162.6	3246.4	3268.8	3291.2
2804.2	45°	2758.6	2713.2	2735.4	2758.0	2824.2	2890.5	2977.4	3064.2	3096.4	3128.5
2647.8	47.5°	2609.6	2571.4	2592.4	2613.3	2678.1	2742.8	2828.5	2914.2	2951.3	2988.3
2510.0	50°	2476.1	2442.4	2475.2	2508.1	2569.2	2630.2	2707.0	2783.7	2831.3	2878.8
2407.4	52.5°	2373.9	2340.5	2389.8	2438.9	2495.0	2550.9	2622.4	2694.1	2750.4	2806.7
2352.8	55°	2299.8	2247.0	2317.0	2386.7	2447.1	2507.5	2570.2	2632.8	2692.4	2752.2
2320.1	57.5°	2243.0	2165.8	2241.0	2316.2	2387.1	2458.0	2520.0	2582.1	2642.3	2702.3
2289.3	60°	2189.4	2089.3	2155.3	2221.1	2302.6	2384.0	2446.9	2510.0	2570.4	2630.8
2253.5	62.5°	2128.4	2003.5	2045.4	2087.3	2182.2	2277.2	2344.4	2411.7	2467.0	2522.3
2177.9	65°	2045.0	1912.0	1928.2	1944.1	2045.8	2147.7	2212.0	2276.3	2325.0	2373.7
2043.1	67.5°	1932.4	1821.8	1816.7	1811.7	1905.6	1999.6	2060.6	2121.4	2163.5	2205.5
1872.0	70°	1793.3	1714.6	1697.1	1679.6	1762.2	1844.8	1897.4	1950.0	1988.0	2025.9
1681.5	72.5°	1627.6	1573.6	1547.9	1522.4	1587.4	1652.3	1699.8	1747.4	1784.6	1821.8
1465.3	75°	1423.8	1382.1	1357.6	1332.8	1381.1	1429.5	1472.5	1515.6	1549.5	1583.4
1248.7	77.5°	1215.4	1182.1	1157.1	1132.2	1171.5	1210.7	1247.7	1284.7	1320.4	1355.8
1001.7	80°	973.8	945.8	924.9	903.9	936.6	969.1	1000.3	1031.5	1058.6	1085.4
736.7	82.5°	723.1	709.5	694.7	679.9	677.1	674.4	663.5	652.6	710.2	767.9
485.1	85°	470.4	455.8	439.3	422.7	408.7	394.5	364.3	334.1	388.0	442.2
214.3	87.5°	208.4	202.6	199.5	196.4	195.8	195.2	172.2	149.0	171.6	194.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
4699.6	2.5°	4681.1	4666.7	4652.3	4639.0	4625.6	4609.0	4625.6	4639.0	4652.3	4666.7
4421.8	5°	4396.3	4378.2	4360.1	4346.2	4332.4	4318.8	4332.4	4346.2	4360.1	4378.2
4255.3	7.5°	4224.9	4204.0	4183.4	4170.9	4158.6	4149.3	4158.6	4170.9	4183.4	4204.0
4207.3	10°	4173.1	4153.4	4133.7	4123.2	4112.7	4108.4	4112.7	4123.2	4133.7	4153.4
4293.4	12.5°	4249.6	4227.6	4205.8	4196.8	4187.9	4186.3	4187.9	4196.8	4205.8	4227.6
4474.6	15°	4408.0	4377.4	4347.0	4335.3	4323.6	4322.7	4323.6	4335.3	4347.0	4377.4
4658.5	17.5°	4560.3	4515.1	4469.7	4454.9	4439.9	4437.6	4439.9	4454.9	4469.7	4515.1
4773.0	20°	4652.8	4595.0	4536.9	4518.4	4499.9	4494.1	4499.9	4518.4	4536.9	4595.0
4780.2	22.5°	4656.2	4595.2	4534.0	4513.6	4493.1	4484.3	4493.1	4513.6	4534.0	4595.2
4671.7	25°	4561.9	4508.9	4456.1	4436.8	4417.7	4406.4	4417.7	4436.8	4456.1	4508.9
4462.7	27.5°	4377.2	4341.7	4306.1	4297.3	4288.6	4285.6	4288.6	4297.3	4306.1	4341.7
4211.2	30°	4149.7	4131.6	4113.2	4113.2	4113.2	4116.2	4113.2	4113.2	4113.2	4131.6
3970.3	32.5°	3921.4	3909.5	3897.6	3899.2	3900.9	3903.8	3900.9	3899.2	3897.6	3909.5
3764.7	35°	3719.7	3701.6	3683.7	3679.8	3675.9	3674.0	3675.9	3679.8	3683.7	3701.6
3590.0	37.5°	3548.3	3515.4	3482.7	3465.3	3448.0	3438.3	3448.0	3465.3	3482.7	3515.4
3426.4	40°	3391.1	3343.2	3295.7	3263.3	3231.4	3212.3	3231.4	3263.3	3295.7	3343.2
3261.4	42.5°	3231.8	3172.4	3112.9	3066.0	3019.0	2988.3	3019.0	3066.0	3112.9	3172.4
3101.6	45°	3075.0	3007.0	2939.2	2884.0	2828.9	2793.5	2828.9	2884.0	2939.2	3007.0
2969.6	47.5°	2950.9	2890.5	2830.1	2779.0	2728.2	2694.1	2728.2	2779.0	2830.1	2890.5
2877.6	50°	2876.8	2828.5	2780.2	2733.1	2685.9	2653.2	2685.9	2733.1	2780.2	2828.5
2816.8	52.5°	2827.0	2787.6	2748.3	2706.0	2663.9	2633.7	2663.9	2706.0	2748.3	2787.6
2766.2	55°	2780.2	2745.9	2711.6	2674.6	2637.6	2610.3	2637.6	2674.6	2711.6	2745.9
2716.5	57.5°	2730.7	2696.1	2661.4	2624.8	2587.9	2559.7	2587.9	2624.8	2661.4	2696.1
2646.4	60°	2662.0	2628.1	2594.4	2556.6	2518.8	2489.6	2518.8	2556.6	2594.4	2628.1
2537.3	62.5°	2552.3	2521.7	2491.1	2451.4	2411.7	2376.6	2411.7	2451.4	2491.1	2521.7
2389.1	65°	2404.2	2374.8	2345.4	2306.8	2268.5	2238.3	2268.5	2306.8	2345.4	2374.8
2220.5	67.5°	2235.4	2208.3	2181.4	2145.6	2109.7	2082.4	2109.7	2145.6	2181.4	2208.3
2040.4	70°	2054.8	2032.8	2010.7	1976.5	1942.2	1911.0	1942.2	1976.5	2010.7	2032.8
1838.9	72.5°	1856.1	1837.8	1819.5	1786.7	1754.2	1724.0	1754.2	1786.7	1819.5	1837.8
1601.3	75°	1619.2	1610.2	1601.3	1573.8	1546.3	1517.5	1546.3	1573.8	1601.3	1610.2
1372.6	77.5°	1389.3	1376.9	1364.0	1336.3	1308.7	1285.7	1308.7	1336.3	1364.0	1376.9
1107.6	80°	1129.9	1124.4	1119.1	1081.9	1044.5	1001.3	1044.5	1081.9	1119.1	1124.4
805.7	82.5°	843.5	841.2	838.6	807.3	775.7	748.0	775.7	807.3	838.6	841.2
489.0	85°	535.7	531.8	527.9	503.4	478.8	453.9	478.8	503.4	527.9	531.8
213.3	87.5°	232.2	227.5	222.5	210.0	197.1	185.1	197.1	210.0	222.5	227.5
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
4681.1	2.5°	4699.6	4718.1	4741.1	4763.9	4793.3	4822.9	4852.3	4881.7	4915.2	4948.9
4396.3	5°	4421.8	4447.3	4484.0	4520.4	4567.9	4615.3	4667.5	4719.7	4778.7	4837.9
4224.9	7.5°	4255.3	4285.6	4328.9	4372.3	4430.2	4488.2	4554.1	4619.7	4697.7	4775.6
4173.1	10°	4207.3	4241.2	4293.2	4345.1	4410.3	4475.6	4546.5	4617.2	4695.1	4773.0
4249.6	12.5°	4293.4	4337.3	4403.5	4469.7	4537.1	4604.7	4660.1	4715.8	4767.2	4819.0
4408.0	15°	4474.6	4541.2	4635.5	4729.8	4788.4	4847.1	4861.5	4875.9	4868.9	4861.9
4560.3	17.5°	4658.5	4756.7	4881.5	5006.4	5053.6	5100.9	5055.9	5010.7	4925.8	4840.8
4652.8	20°	4773.0	4893.4	5036.0	5178.8	5200.8	5222.6	5128.2	5033.7	4886.0	4738.6
4656.2	22.5°	4780.2	4904.1	5040.5	5176.9	5163.8	5150.6	5027.6	4904.7	4736.0	4567.7
4561.9	25°	4671.7	4782.0	4893.6	5005.4	4960.4	4915.2	4794.3	4673.3	4521.7	4370.4
4377.2	27.5°	4462.7	4548.2	4627.7	4707.4	4656.9	4606.7	4509.7	4412.7	4288.4	4163.9
4149.7	30°	4211.2	4272.4	4333.2	4393.8	4352.9	4311.9	4231.3	4150.8	4047.6	3944.4
3921.4	32.5°	3970.3	4019.2	4075.1	4130.8	4085.2	4039.8	3962.5	3885.3	3802.7	3720.3
3719.7	35°	3764.7	3809.9	3849.5	3889.2	3834.7	3780.1	3703.6	3627.2	3564.5	3501.6
3548.3	37.5°	3590.0	3631.5	3649.8	3668.1	3600.7	3533.3	3457.0	3380.8	3335.8	3290.6
3391.1	40°	3426.4	3461.6	3457.3	3452.9	3375.1	3297.6	3224.0	3150.3	3117.8	3085.3
3231.8	42.5°	3261.4	3291.2	3268.8	3246.4	3162.6	3078.8	3008.9	2939.2	2912.5	2886.0
3075.0	45°	3101.6	3128.5	3096.4	3064.2	2977.4	2890.5	2824.2	2758.0	2735.4	2713.2
2950.9	47.5°	2969.6	2988.3	2951.3	2914.2	2828.5	2742.8	2678.1	2613.3	2592.4	2571.4
2876.8	50°	2877.6	2878.8	2831.3	2783.7	2707.0	2630.2	2569.2	2508.1	2475.2	2442.4
2827.0	52.5°	2816.8	2806.7	2750.4	2694.1	2622.4	2550.9	2495.0	2438.9	2389.8	2340.5
2780.2	55°	2766.2	2752.2	2692.4	2632.8	2570.2	2507.5	2447.1	2386.7	2317.0	2247.0
2730.7	57.5°	2716.5	2702.3	2642.3	2582.1	2520.0	2458.0	2387.1	2316.2	2241.0	2165.8
2662.0	60°	2646.4	2630.8	2570.4	2510.0	2446.9	2384.0	2302.6	2221.1	2155.3	2089.3
2552.3	62.5°	2537.3	2522.3	2467.0	2411.7	2344.4	2277.2	2182.2	2087.3	2045.4	2003.5
2404.2	65°	2389.1	2373.7	2325.0	2276.3	2212.0	2147.7	2045.8	1944.1	1928.2	1912.0
2235.4	67.5°	2220.5	2205.5	2163.5	2121.4	2060.6	1999.6	1905.6	1811.7	1816.7	1821.8
2054.8	70°	2040.4	2025.9	1988.0	1950.0	1897.4	1844.8	1762.2	1679.6	1697.1	1714.6
1856.1	72.5°	1838.9	1821.8	1784.6	1747.4	1699.8	1652.3	1587.4	1522.4	1547.9	1573.6
1619.2	75°	1601.3	1583.4	1549.5	1515.6	1472.5	1429.5	1381.1	1332.8	1357.6	1382.1
1389.3	77.5°	1372.6	1355.8	1320.4	1284.7	1247.7	1210.7	1171.5	1132.2	1157.1	1182.1
1129.9	80°	1107.6	1085.4	1058.6	1031.5	1000.3	969.1	936.6	903.9	924.9	945.8
843.5	82.5°	805.7	767.9	710.2	652.6	663.5	674.4	677.1	679.9	694.7	709.5
535.7	85°	489.0	442.2	388.0	334.1	364.3	394.5	408.7	422.7	439.3	455.8
232.2	87.5°	213.3	194.4	171.6	149.0	172.2	195.2	195.8	196.4	199.5	202.6
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
4986.2	2.5°	5023.6	5069.7	5111.2	5154.1	5196.9	5241.7	5286.5	5331.0	5375.6	5417.4
4908.6	5°	4979.1	5060.0	5141.8	5228.5	5315.2	5407.9	5500.8	5593.0	5685.3	5777.8
4869.3	7.5°	4963.2	5067.8	5179.4	5300.4	5421.3	5558.7	5696.0	5837.1	5978.1	6130.6
4872.0	10°	4971.0	5083.4	5221.1	5364.5	5507.4	5674.4	5841.1	6027.4	6213.8	6406.8
4899.7	12.5°	4980.7	5085.3	5230.0	5391.9	5553.8	5750.6	5947.3	6158.5	6369.6	6581.6
4900.4	15°	4939.2	5023.0	5183.3	5370.7	5558.1	5784.6	6011.2	6240.3	6469.4	6690.5
4826.8	17.5°	4812.6	4864.2	5052.8	5278.2	5503.5	5766.5	6029.5	6279.4	6529.4	6753.6
4672.3	20°	4606.1	4619.7	4839.3	5118.6	5398.0	5716.7	6035.4	6310.0	6584.7	6817.9
4469.7	22.5°	4371.7	4345.1	4595.0	4931.4	5267.8	5655.5	6043.2	6351.3	6659.3	6897.6
4257.4	25°	4144.4	4072.3	4328.5	4722.4	5116.5	5595.1	6073.9	6426.1	6778.1	7011.3
4054.8	27.5°	3945.7	3858.1	4091.2	4531.3	4971.3	5554.8	6138.2	6543.0	6947.6	7170.3
3857.5	30°	3771.0	3702.2	3898.0	4371.6	4845.1	5535.9	6226.3	6694.4	7162.5	7377.4
3669.1	32.5°	3617.9	3587.3	3745.1	4233.8	4722.4	5512.5	6302.2	6852.4	7402.5	7615.2
3487.3	35°	3473.3	3486.0	3617.5	4098.4	4579.4	5468.5	6358.0	7032.4	7706.8	7910.7
3306.2	37.5°	3321.8	3368.1	3483.1	3939.1	4395.1	5393.1	6391.1	7234.0	8076.9	8336.8
3120.5	40°	3155.8	3226.9	3331.1	3749.0	4166.8	5289.3	6411.9	7489.9	8567.8	8946.5
2932.7	42.5°	2979.5	3069.1	3165.1	3539.2	3913.2	5182.1	6451.5	7824.8	9198.2	9744.8
2758.6	45°	2804.2	2890.9	2988.3	3316.3	3644.4	5082.6	6521.0	8265.5	10009.9	10747.2
2609.6	47.5°	2647.8	2722.4	2848.0	3140.0	3432.0	5000.4	6568.7	8734.9	10901.1	11939.0
2476.1	50°	2510.0	2596.7	2761.9	3022.9	3284.0	4910.8	6537.6	9170.5	11803.4	13368.1
2373.9	52.5°	2407.4	2528.5	2718.5	2945.8	3173.3	4759.4	6345.7	9453.4	12560.8	14869.2
2299.8	55°	2352.8	2535.3	2712.0	2889.9	3067.7	4508.5	5949.3	9391.0	12832.6	16200.1
2243.0	57.5°	2320.1	2542.2	2698.0	2823.7	2949.3	4154.7	5360.0	8952.3	12544.9	17143.4
2189.4	60°	2289.3	2520.7	2623.6	2722.4	2821.1	3695.4	4569.7	8135.9	11702.2	17379.1
2128.4	62.5°	2253.5	2468.1	2480.8	2546.3	2611.9	3145.7	3679.4	7032.0	10384.5	16386.6
2045.0	65°	2177.9	2341.5	2340.0	2370.9	2401.9	2651.1	2900.2	5905.6	8911.2	14982.2
1932.4	67.5°	2043.1	2135.0	2139.3	2122.2	2104.8	2175.7	2246.5	4802.3	7358.1	13311.0
1793.3	70°	1872.0	1902.2	1902.2	1822.2	1741.9	1721.9	1701.6	3781.1	5860.6	11487.5
1627.6	72.5°	1681.5	1681.1	1662.1	1548.5	1434.7	1373.5	1312.6	2890.7	4468.8	9510.6
1423.8	75°	1465.3	1472.7	1384.7	1257.3	1129.9	1074.5	1019.2	2098.0	3176.8	7244.5
1215.4	77.5°	1248.7	1252.6	1107.4	983.8	860.1	822.3	784.7	1421.7	2058.7	5070.5
973.8	80°	1001.7	1002.3	828.9	724.3	619.5	603.9	588.3	916.0	1243.8	3266.8
723.1	82.5°	736.7	728.6	580.5	503.4	426.2	423.1	420.4	563.4	706.7	1890.7
470.4	85°	485.1	474.3	364.3	307.8	251.3	252.9	254.2	301.2	348.3	850.5
208.4	87.5°	214.3	200.6	154.9	131.7	108.7	110.1	111.4	124.9	138.3	278.6
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°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
5459.3	2.5°	5480.0	5500.8	5530.2	5559.7	5577.2	5594.7	5603.5	5612.2	5608.4	5612.2
5870.4	5°	5942.6	6015.1	6086.8	6158.7	6197.6	6236.6	6260.2	6283.9	6301.8	6283.9
6283.3	7.5°	6401.0	6518.5	6624.2	6730.0	6793.7	6857.4	6891.9	6926.2	6942.7	6926.2
6599.9	10°	6739.0	6878.1	7002.2	7126.3	7201.4	7276.2	7309.8	7343.1	7355.7	7343.1
6793.7	12.5°	6944.5	7095.1	7207.3	7319.1	7373.6	7428.2	7446.5	7464.8	7466.8	7464.8
6911.6	15°	7041.7	7171.6	7242.0	7312.5	7314.4	7316.4	7296.9	7277.4	7254.4	7277.4
6977.8	17.5°	7065.7	7153.5	7154.9	7156.1	7077.2	6998.3	6926.0	6853.5	6802.5	6853.5
7050.9	20°	7081.4	7112.2	7019.7	6927.2	6753.0	6578.9	6452.0	6325.2	6247.3	6325.2
7135.6	22.5°	7095.5	7055.3	6863.7	6672.0	6415.8	6159.6	6001.1	5842.5	5756.4	5842.5
7244.7	25°	7118.1	6991.4	6700.4	6409.4	6098.3	5787.2	5620.4	5454.1	5372.6	5454.1
7392.7	27.5°	7166.4	6939.8	6554.3	6169.0	5824.2	5479.4	5315.4	5151.5	5074.6	5151.5
7592.4	30°	7254.8	6917.4	6442.9	5968.3	5609.1	5249.9	5097.8	4945.6	4873.9	4945.6
7828.1	32.5°	7365.9	6903.8	6366.9	5830.0	5492.4	5154.9	5035.4	4915.8	4864.2	4915.8
8114.5	35°	7548.8	6983.3	6423.8	5864.5	5630.0	5395.6	5367.8	5339.9	5335.6	5339.9
8596.6	37.5°	7931.2	7265.7	6757.3	6248.9	6233.7	6218.5	6345.9	6473.3	6539.5	6473.3
9325.2	40°	8601.5	7877.8	7499.7	7121.6	7388.5	7655.3	7965.1	8274.8	8429.1	8274.8
10291.4	42.5°	9573.4	8855.3	8637.5	8419.7	9001.8	9583.9	10147.2	10710.6	11041.4	10710.6
11484.6	45°	10839.6	10194.4	10098.3	10002.1	10934.6	11867.3	12793.0	13718.9	14280.9	13718.9
12976.7	47.5°	12349.3	11721.6	11702.2	11682.7	13028.0	14372.9	15728.1	17083.2	17878.9	17083.2
14932.6	50°	14157.4	13382.5	13385.8	13389.1	15122.9	16856.6	18645.5	20434.4	21515.9	20434.4
17177.6	52.5°	16239.1	15300.7	15205.9	15110.8	17181.7	19252.7	21466.0	23679.2	24975.6	23679.2
19567.9	55°	18640.6	17713.4	17343.4	16973.5	19278.4	21583.1	24221.7	26860.3	28402.1	26860.3
21741.9	57.5°	21236.9	20731.8	19989.8	19248.0	21575.3	23902.6	26891.3	29879.7	31791.7	29879.7
23055.8	60°	23840.1	24624.5	23703.1	22781.7	24984.1	27186.6	30386.4	33586.2	35652.7	33586.2
22388.6	62.5°	24531.6	26674.6	26570.8	26466.8	28484.4	30502.1	33546.5	36590.7	38500.7	36590.7
21053.2	65°	23064.6	25075.9	25473.9	25871.7	28435.7	30999.8	33951.9	36903.7	38529.9	36903.7
19264.0	67.5°	21176.9	23089.9	23276.5	23462.9	26134.5	28805.8	31770.5	34735.2	36009.2	34735.2
17114.3	70°	19195.0	21275.9	21359.3	21442.8	23831.9	26220.8	28772.1	31323.2	32031.3	31323.2
14552.7	72.5°	16940.4	19328.3	19388.3	19448.1	21317.2	23186.3	25097.1	27007.8	27079.4	27007.8
11312.2	75°	13783.4	16254.7	16476.6	16698.4	18152.6	19606.8	20951.9	22297.0	21936.7	22297.0
8082.3	77.5°	10389.2	12696.2	13013.8	13331.3	14436.8	15542.3	16496.2	17450.4	16830.9	17450.4
5289.9	80°	7230.7	9171.3	9566.0	9960.6	10795.5	11630.1	12131.1	12631.9	11635.5	12631.9
3075.0	82.5°	4401.7	5728.7	6169.6	6610.6	7185.3	7759.9	7969.0	8177.8	7394.7	8177.8
1352.9	85°	2057.1	2761.3	3136.3	3511.3	3983.5	4455.5	4574.1	4692.8	4065.5	4692.8
418.8	87.5°	655.5	892.2	1101.4	1310.6	1546.7	1782.8	1793.0	1802.9	1513.6	1802.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
5076.5	0°	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5	5076.5
5603.5	2.5°	5594.7	5577.2	5559.7	5530.2	5500.8	5480.0	5459.3
6260.2	5°	6236.6	6197.6	6158.7	6086.8	6015.1	5942.6	5870.4
6891.9	7.5°	6857.4	6793.7	6730.0	6624.2	6518.5	6401.0	6283.3
7309.8	10°	7276.2	7201.4	7126.3	7002.2	6878.1	6739.0	6599.9
7446.5	12.5°	7428.2	7373.6	7319.1	7207.3	7095.1	6944.5	6793.7
7296.9	15°	7316.4	7314.4	7312.5	7242.0	7171.6	7041.7	6911.6
6926.0	17.5°	6998.3	7077.2	7156.1	7154.9	7153.5	7065.7	6977.8
6452.0	20°	6578.9	6753.0	6927.2	7019.7	7112.2	7081.4	7050.9
6001.1	22.5°	6159.6	6415.8	6672.0	6863.7	7055.3	7095.5	7135.6
5620.4	25°	5787.2	6098.3	6409.4	6700.4	6991.4	7118.1	7244.7
5315.4	27.5°	5479.4	5824.2	6169.0	6554.3	6939.8	7166.4	7392.7
5097.8	30°	5249.9	5609.1	5968.3	6442.9	6917.4	7254.8	7592.4
5035.4	32.5°	5154.9	5492.4	5830.0	6366.9	6903.8	7365.9	7828.1
5367.8	35°	5395.6	5630.0	5864.5	6423.8	6983.3	7548.8	8114.5
6345.9	37.5°	6218.5	6233.7	6248.9	6757.3	7265.7	7931.2	8596.6
7965.1	40°	7655.3	7388.5	7121.6	7499.7	7877.8	8601.5	9325.2
10147.2	42.5°	9583.9	9001.8	8419.7	8637.5	8855.3	9573.4	10291.4
12793.0	45°	11867.3	10934.6	10002.1	10098.3	10194.4	10839.6	11484.6
15728.1	47.5°	14372.9	13028.0	11682.7	11702.2	11721.6	12349.3	12976.7
18645.5	50°	16856.6	15122.9	13389.1	13385.8	13382.5	14157.4	14932.6
21466.0	52.5°	19252.7	17181.7	15110.8	15205.9	15300.7	16239.1	17177.6
24221.7	55°	21583.1	19278.4	16973.5	17343.4	17713.4	18640.6	19567.9
26891.3	57.5°	23902.6	21575.3	19248.0	19989.8	20731.8	21236.9	21741.9
30386.4	60°	27186.6	24984.1	22781.7	23703.1	24624.5	23840.1	23055.8
33546.5	62.5°	30502.1	28484.4	26466.8	26570.8	26674.6	24531.6	22388.6
33951.9	65°	30999.8	28435.7	25871.7	25473.9	25075.9	23064.6	21053.2
31770.5	67.5°	28805.8	26134.5	23462.9	23276.5	23089.9	21176.9	19264.0
28772.1	70°	26220.8	23831.9	21442.8	21359.3	21275.9	19195.0	17114.3
25097.1	72.5°	23186.3	21317.2	19448.1	19388.3	19328.3	16940.4	14552.7
20951.9	75°	19606.8	18152.6	16698.4	16476.6	16254.7	13783.4	11312.2
16496.2	77.5°	15542.3	14436.8	13331.3	13013.8	12696.2	10389.2	8082.3
12131.1	80°	11630.1	10795.5	9960.6	9566.0	9171.3	7230.7	5289.9
7969.0	82.5°	7759.9	7185.3	6610.6	6169.6	5728.7	4401.7	3075.0
4574.1	85°	4455.5	3983.5	3511.3	3136.3	2761.3	2057.1	1352.9
1793.0	87.5°	1782.8	1546.7	1310.6	1101.4	892.2	655.5	418.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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