

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: P955825

Luminaire Tested: **GALN-SB8C-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955825
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-SB8C-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41976 lumens
Efficiency: N/A
Efficacy: 105.0 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

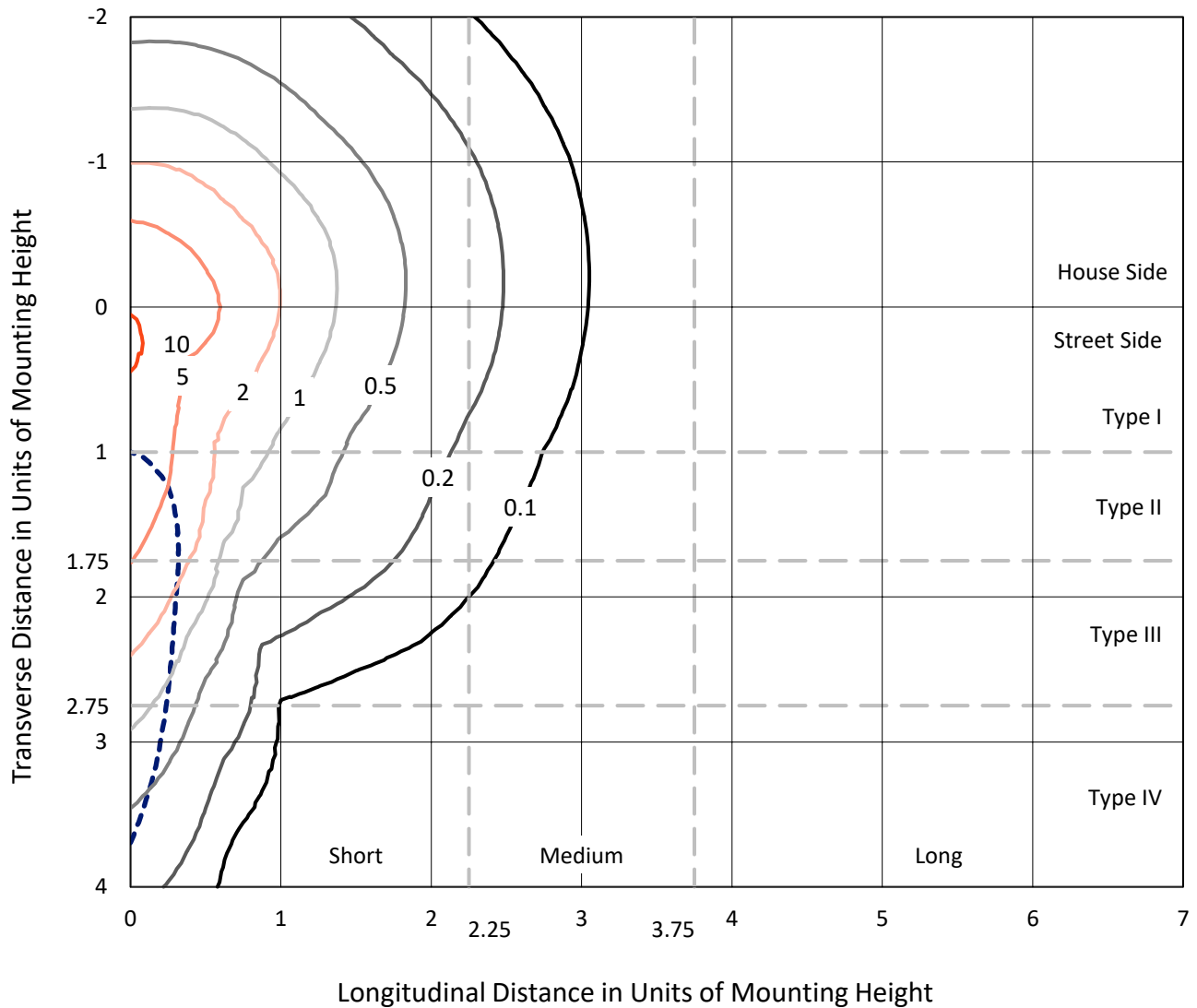
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

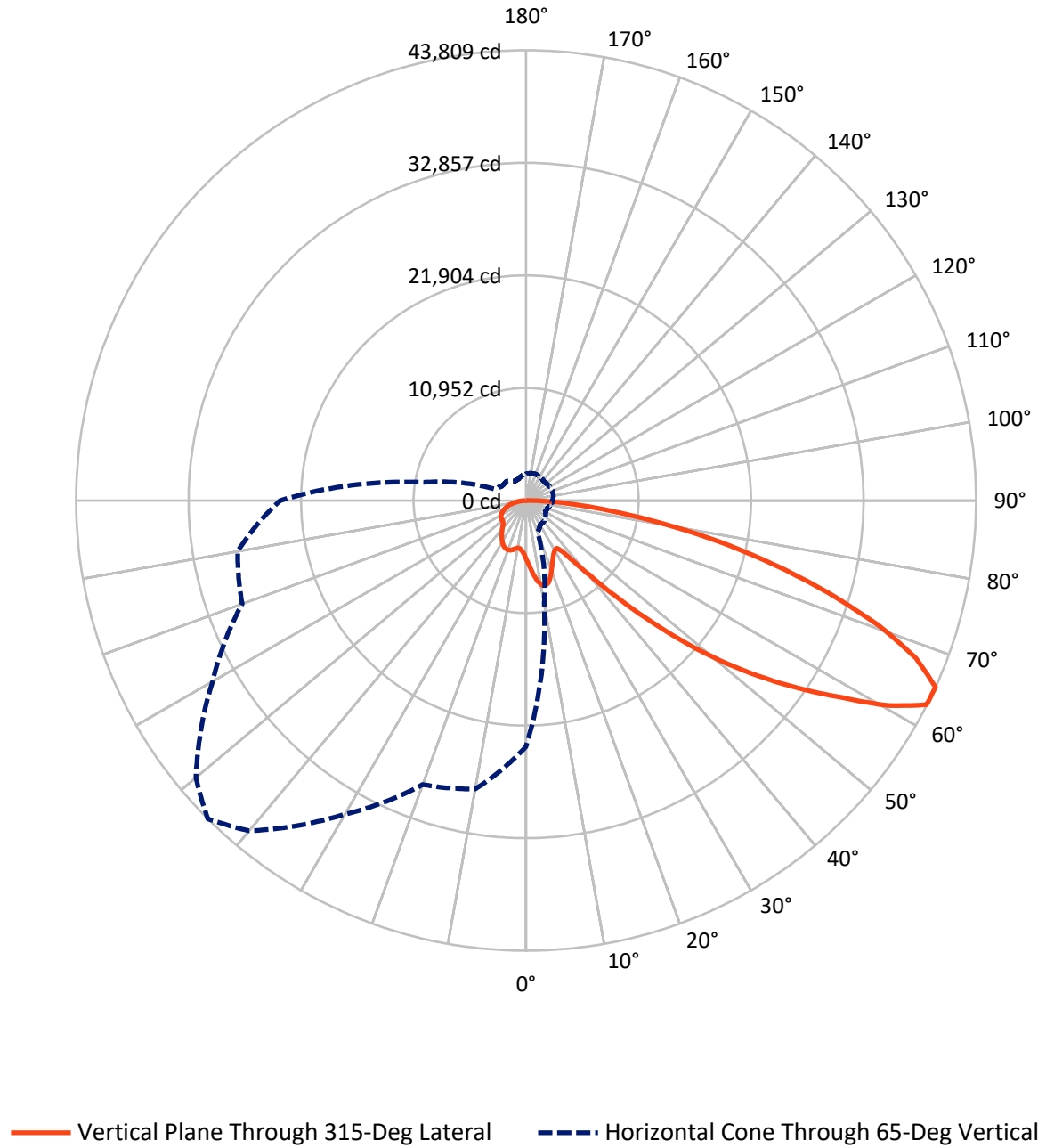
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	10668.2	0.0	10668.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	31307.8	0.0	31307.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	41976.0	0.0	41976.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.6	1.4
10°-20°	1797.5	4.3
20°-30°	2776.5	6.6
30°-40°	3518.5	8.4
40°-50°	5306.7	12.6
50°-60°	8573.8	20.4
60°-70°	10688.6	25.5
70°-80°	7009.1	16.7
80°-90°	1732.8	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°	41976.0	100.0
0°-180°	41976.0	100.0



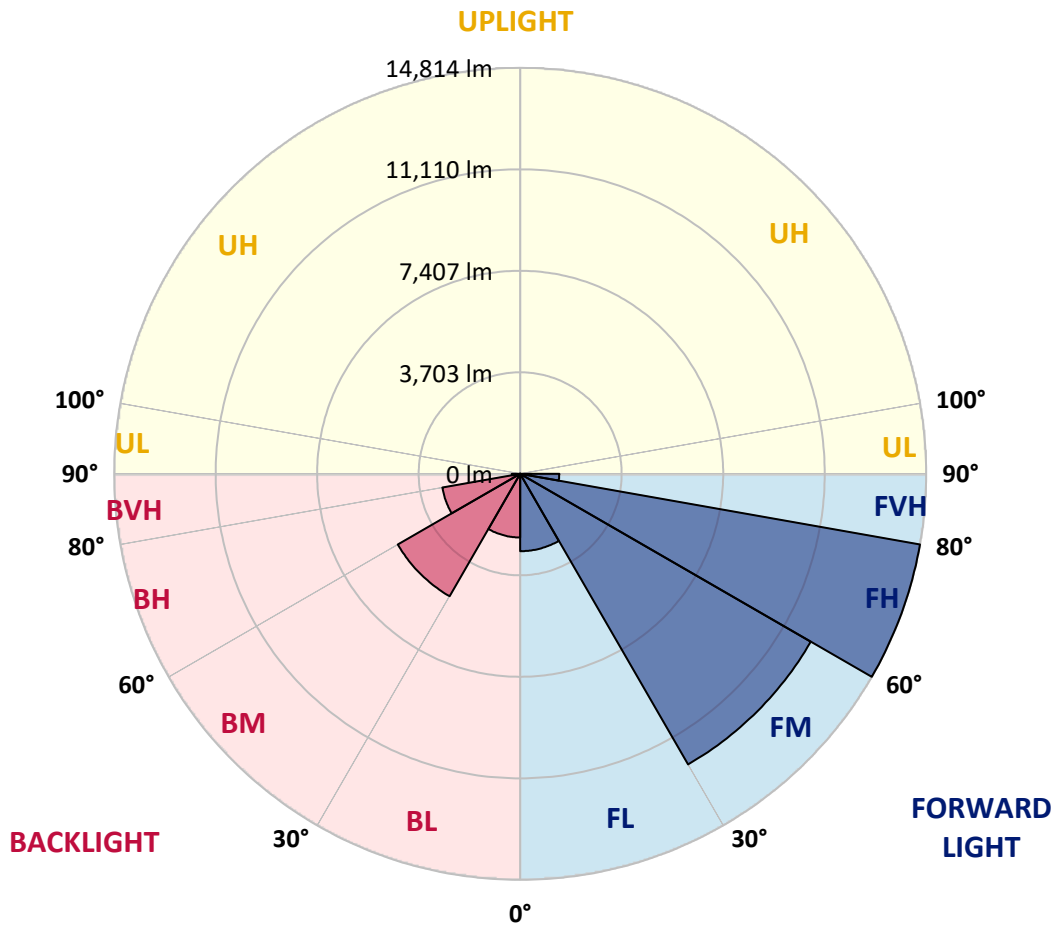
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2823.4	6.7			
FM (30°-60°)	12243.5	29.2			
FH (60°-80°)	14813.5	35.3			G5
FVH (80°-90°)	1427.5	3.4			G5
BL (0°-30°)	2323.1	5.5	B3/2500		
BM (30°-60°)	5155.5	12.3	B4/8500		
BH (60°-80°)	2884.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	305.4	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°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
2.5°	6207.3	6159.7	6112.1	6061.3	6010.8	5959.9	5908.9	5860.2	5811.5	5764.3
5°	6674.6	6569.4	6464.2	6359.2	6254.5	6148.8	6043.4	5944.8	5846.3	5753.2
7.5°	7144.2	6970.6	6797.1	6636.8	6476.4	6320.3	6164.1	6026.6	5889.0	5762.1
10°	7504.1	7284.6	7065.1	6853.2	6641.4	6451.8	6262.0	6099.4	5936.4	5779.8
12.5°	7724.5	7483.3	7242.3	7002.2	6762.1	6538.4	6314.7	6130.7	5946.6	5782.0
15°	7858.5	7607.1	7355.7	7095.3	6834.8	6577.2	6319.6	6106.5	5893.4	5711.2
17.5°	7933.8	7678.9	7423.9	7139.8	6855.6	6556.6	6257.6	6001.3	5745.0	5530.6
20°	8016.9	7752.0	7486.8	7174.5	6862.2	6499.9	6137.5	5819.9	5502.3	5252.7
22.5°	8113.2	7842.6	7571.7	7221.5	6871.1	6430.3	5989.6	5607.1	5224.5	4940.4
25°	8237.3	7971.9	7706.8	7306.6	6906.1	6361.7	5817.5	5369.4	4921.5	4630.3
27.5°	8405.6	8152.6	7899.5	7439.4	6979.2	6315.8	5652.5	5152.1	4651.8	4386.6
30°	8632.6	8388.1	8143.8	7611.5	7079.3	6294.3	5508.9	4970.5	4432.0	4209.4
32.5°	8900.6	8658.5	8416.7	7791.2	7165.7	6267.8	5369.4	4813.9	4258.2	4078.8
35°	9226.2	8994.5	8762.6	7995.8	7229.0	6217.7	5206.8	4660.0	4113.1	3963.6
37.5°	9774.4	9478.9	9183.5	8225.1	7266.7	6132.0	4997.3	4478.8	3960.3	3829.6
40°	10602.8	10172.2	9741.6	8516.1	7290.4	6013.9	4737.7	4262.6	3787.5	3669.0
42.5°	11701.4	11079.9	10458.4	8896.9	7335.3	5892.1	4449.3	4024.1	3598.8	3489.6
45°	13058.0	12219.7	11381.3	9397.9	7414.4	5778.9	4143.7	3770.7	3397.7	3286.9
47.5°	14754.6	13574.8	12394.6	9931.7	7468.7	5685.5	3902.2	3570.2	3238.2	3095.3
50°	16978.4	15199.6	13420.6	10426.9	7433.2	5583.6	3733.9	3437.1	3140.3	2952.5
52.5°	19531.1	16906.4	14281.8	10748.5	7215.1	5411.5	3608.1	3349.4	3090.9	2875.0
55°	22248.8	18419.7	14590.7	10677.6	6764.3	5126.2	3488.0	3285.8	3083.6	2882.7
57.5°	24720.6	19492.1	14263.6	10178.9	6094.3	4724.0	3353.4	3210.5	3067.7	2890.5
60°	26214.6	19760.1	13305.4	9250.6	5195.7	4201.7	3207.6	3095.3	2983.0	2866.1
62.5°	25456.0	18631.6	11807.3	7995.4	4183.5	3576.6	2969.8	2895.1	2820.7	2806.3
65°	23937.7	17034.9	10132.1	6714.7	3297.6	3014.3	2731.0	2695.8	2660.6	2662.3
67.5°	21903.3	15134.7	8366.2	5460.2	2554.2	2473.8	2393.2	2412.9	2432.4	2427.5
70°	19459.1	13061.3	6663.6	4299.1	1934.7	1957.8	1980.6	2071.8	2162.9	2162.9
72.5°	16546.5	10813.6	5081.0	3286.7	1492.4	1561.7	1631.3	1760.6	1889.8	1911.5
75°	12862.0	8237.0	3612.1	2385.5	1158.8	1221.7	1284.6	1429.5	1574.4	1674.5
77.5°	9189.7	5765.2	2340.7	1616.4	892.2	934.9	977.9	1118.5	1259.2	1424.2
80°	6014.6	3714.4	1414.2	1041.5	668.9	686.6	704.3	823.5	942.4	1139.6
82.5°	3496.2	2149.8	803.6	640.6	478.0	481.1	484.6	572.3	660.0	828.4
85°	1538.3	967.0	396.0	342.4	289.0	287.5	285.7	350.0	414.2	539.3
87.5°	476.2	316.7	157.3	142.0	126.7	125.1	123.6	149.7	176.1	228.1
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°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
5711.8	2.5°	5669.3	5627.0	5588.7	5550.6	5517.1	5483.7	5450.0	5416.6	5390.7	5364.5
5661.3	5°	5581.1	5500.7	5433.4	5366.3	5306.9	5247.6	5193.7	5139.7	5098.3	5056.6
5643.2	7.5°	5536.4	5429.9	5341.3	5252.7	5178.0	5103.2	5037.2	4971.4	4922.0	4872.8
5652.0	10°	5539.5	5427.0	5338.4	5249.8	5169.4	5088.8	5014.6	4940.4	4881.4	4822.3
5663.1	12.5°	5570.9	5479.3	5420.3	5361.9	5298.5	5235.6	5158.8	5082.1	5006.8	4931.5
5615.9	15°	5571.8	5528.0	5536.0	5543.9	5527.5	5511.1	5444.5	5377.8	5270.6	5163.4
5471.9	17.5°	5488.1	5504.1	5600.6	5697.2	5748.6	5799.7	5745.9	5692.3	5550.3	5408.4
5237.2	20°	5312.5	5387.8	5555.4	5723.3	5830.8	5938.2	5913.4	5888.3	5726.0	5563.9
4970.7	22.5°	5082.1	5193.5	5384.9	5576.7	5716.5	5856.2	5871.3	5886.1	5731.1	5576.0
4712.2	25°	4840.7	4969.2	5141.3	5313.6	5451.1	5588.7	5640.1	5691.2	5564.1	5437.2
4486.3	27.5°	4610.3	4734.4	4875.9	5017.2	5127.5	5237.8	5295.0	5352.3	5261.7	5171.4
4287.6	30°	4386.0	4484.8	4602.1	4719.5	4811.0	4902.7	4949.2	4995.7	4926.9	4857.7
4113.5	32.5°	4171.8	4230.0	4323.7	4417.6	4505.4	4593.3	4644.9	4696.7	4633.4	4569.8
3949.2	35°	3965.1	3981.3	4052.8	4124.2	4211.0	4298.0	4360.1	4422.1	4376.9	4331.9
3776.9	37.5°	3759.1	3741.4	3792.8	3844.0	3930.6	4017.4	4094.0	4170.7	4149.9	4129.0
3588.2	40°	3548.1	3508.0	3545.0	3582.0	3665.7	3749.4	3837.6	3925.9	3931.0	3935.9
3387.7	42.5°	3334.6	3281.4	3311.5	3341.9	3421.2	3500.7	3595.9	3691.2	3716.6	3742.1
3188.4	45°	3136.5	3084.9	3110.2	3135.9	3211.2	3286.5	3385.3	3484.1	3520.6	3557.1
3010.5	47.5°	2967.1	2923.7	2947.6	2971.3	3045.1	3118.6	3216.1	3313.5	3355.6	3397.7
2853.9	50°	2815.4	2777.1	2814.3	2851.7	2921.2	2990.6	3077.8	3165.1	3219.2	3273.2
2737.2	52.5°	2699.1	2661.2	2717.3	2773.1	2836.9	2900.4	2981.7	3063.2	3127.2	3191.2
2675.2	55°	2614.9	2554.9	2634.4	2713.7	2782.4	2851.0	2922.4	2993.5	3061.2	3129.2
2638.0	57.5°	2550.3	2462.5	2548.0	2633.5	2714.2	2794.8	2865.2	2935.9	3004.3	3072.5
2603.0	60°	2489.3	2375.5	2450.6	2525.4	2618.0	2710.6	2782.2	2853.9	2922.6	2991.2
2562.2	62.5°	2420.0	2278.0	2325.7	2373.3	2481.1	2589.2	2665.6	2742.1	2805.0	2867.9
2476.3	65°	2325.2	2173.9	2192.3	2210.5	2326.1	2441.9	2515.0	2588.1	2643.5	2698.9
2323.0	67.5°	2197.2	2071.4	2065.6	2059.9	2166.6	2273.6	2342.9	2412.0	2459.9	2507.7
2128.5	70°	2039.0	1949.6	1929.6	1909.7	2003.6	2097.5	2157.3	2217.1	2260.3	2303.5
1911.9	72.5°	1850.6	1789.2	1760.0	1731.0	1804.9	1878.7	1932.7	1986.8	2029.1	2071.4
1666.1	75°	1618.9	1571.5	1543.6	1515.4	1570.4	1625.3	1674.3	1723.2	1761.7	1800.3
1419.8	77.5°	1381.9	1344.0	1315.7	1287.3	1332.0	1376.6	1418.7	1460.7	1501.3	1541.6
1138.9	80°	1107.2	1075.3	1051.6	1027.7	1064.9	1101.9	1137.4	1172.8	1203.6	1234.1
837.7	82.5°	822.2	806.7	789.8	773.0	769.9	766.8	754.4	742.0	807.6	873.1
551.5	85°	534.9	518.3	499.5	480.6	464.7	448.5	414.2	379.9	441.2	502.8
243.6	87.5°	237.0	230.4	226.8	223.3	222.6	221.9	195.8	169.4	195.1	221.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
5343.5	2.5°	5322.4	5306.0	5289.7	5274.6	5259.3	5240.5	5259.3	5274.6	5289.7	5306.0
5027.6	5°	4998.6	4978.0	4957.4	4941.7	4926.0	4910.5	4926.0	4941.7	4957.4	4978.0
4838.3	7.5°	4803.7	4780.0	4756.5	4742.3	4728.4	4717.8	4728.4	4742.3	4756.5	4780.0
4783.8	10°	4744.8	4722.4	4700.0	4688.1	4676.1	4671.3	4676.1	4688.1	4700.0	4722.4
4881.7	12.5°	4831.8	4806.8	4782.0	4771.8	4761.6	4759.8	4761.6	4771.8	4782.0	4806.8
5087.7	15°	5011.9	4977.1	4942.6	4929.3	4916.0	4914.9	4916.0	4929.3	4942.6	4977.1
5296.7	17.5°	5185.1	5133.7	5082.1	5065.3	5048.2	5045.6	5048.2	5065.3	5082.1	5133.7
5427.0	20°	5290.3	5224.5	5158.5	5137.5	5116.4	5109.8	5116.4	5137.5	5158.5	5224.5
5435.2	22.5°	5294.1	5224.8	5155.2	5132.0	5108.7	5098.7	5108.7	5132.0	5155.2	5224.8
5311.8	25°	5186.9	5126.6	5066.6	5044.7	5023.0	5010.1	5023.0	5044.7	5066.6	5126.6
5074.1	27.5°	4976.9	4936.6	4896.1	4886.1	4876.1	4872.8	4876.1	4886.1	4896.1	4936.6
4788.2	30°	4718.2	4697.6	4676.8	4676.8	4676.8	4680.1	4676.8	4676.8	4676.8	4697.6
4514.2	32.5°	4458.6	4445.1	4431.6	4433.4	4435.4	4438.7	4435.4	4433.4	4431.6	4445.1
4280.5	35°	4229.4	4208.8	4188.4	4184.0	4179.5	4177.3	4179.5	4184.0	4188.4	4208.8
4081.9	37.5°	4034.5	3997.0	3959.8	3940.1	3920.4	3909.3	3920.4	3940.1	3959.8	3997.0
3895.8	40°	3855.7	3801.2	3747.2	3710.4	3674.1	3652.4	3674.1	3710.4	3747.2	3801.2
3708.2	42.5°	3674.5	3607.0	3539.4	3486.1	3432.7	3397.7	3432.7	3486.1	3539.4	3607.0
3526.6	45°	3496.2	3418.9	3341.9	3279.2	3216.5	3176.2	3216.5	3279.2	3341.9	3418.9
3376.4	47.5°	3355.1	3286.5	3217.8	3159.8	3102.0	3063.2	3102.0	3159.8	3217.8	3286.5
3271.9	50°	3271.0	3216.1	3161.1	3107.5	3053.9	3016.7	3053.9	3107.5	3161.1	3216.1
3202.8	52.5°	3214.3	3169.5	3124.8	3076.7	3028.9	2994.6	3028.9	3076.7	3124.8	3169.5
3145.2	55°	3161.1	3122.1	3083.2	3041.1	2999.0	2968.0	2999.0	3041.1	3083.2	3122.1
3088.7	57.5°	3104.9	3065.4	3026.0	2984.4	2942.5	2910.4	2942.5	2984.4	3026.0	3065.4
3009.0	60°	3026.7	2988.1	2949.8	2906.9	2863.9	2830.7	2863.9	2906.9	2949.8	2988.1
2884.9	62.5°	2902.0	2867.2	2832.4	2787.2	2742.1	2702.2	2742.1	2787.2	2832.4	2867.2
2716.4	65°	2733.6	2700.2	2666.8	2622.9	2579.3	2544.9	2579.3	2622.9	2666.8	2700.2
2524.8	67.5°	2541.6	2510.8	2480.3	2439.5	2398.8	2367.7	2398.8	2439.5	2480.3	2510.8
2319.9	70°	2336.3	2311.3	2286.2	2247.3	2208.3	2172.8	2208.3	2247.3	2286.2	2311.3
2090.9	72.5°	2110.4	2089.5	2068.7	2031.5	1994.5	1960.2	1994.5	2031.5	2068.7	2089.5
1820.7	75°	1841.0	1830.8	1820.7	1789.4	1758.2	1725.4	1758.2	1789.4	1820.7	1830.8
1560.6	77.5°	1579.7	1565.5	1550.9	1519.4	1488.0	1461.8	1488.0	1519.4	1550.9	1565.5
1259.4	80°	1284.6	1278.4	1272.5	1230.2	1187.6	1138.5	1187.6	1230.2	1272.5	1278.4
916.1	82.5°	959.1	956.4	953.5	917.9	882.0	850.5	882.0	917.9	953.5	956.4
555.9	85°	609.1	604.7	600.2	572.3	544.4	516.1	544.4	572.3	600.2	604.7
242.5	87.5°	264.0	258.7	252.9	238.8	224.1	210.4	224.1	238.8	252.9	258.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
5322.4	2.5°	5343.5	5364.5	5390.7	5416.6	5450.0	5483.7	5517.1	5550.6	5588.7	5627.0
4998.6	5°	5027.6	5056.6	5098.3	5139.7	5193.7	5247.6	5306.9	5366.3	5433.4	5500.7
4803.7	7.5°	4838.3	4872.8	4922.0	4971.4	5037.2	5103.2	5178.0	5252.7	5341.3	5429.9
4744.8	10°	4783.8	4822.3	4881.4	4940.4	5014.6	5088.8	5169.4	5249.8	5338.4	5427.0
4831.8	12.5°	4881.7	4931.5	5006.8	5082.1	5158.8	5235.6	5298.5	5361.9	5420.3	5479.3
5011.9	15°	5087.7	5163.4	5270.6	5377.8	5444.5	5511.1	5527.5	5543.9	5536.0	5528.0
5185.1	17.5°	5296.7	5408.4	5550.3	5692.3	5745.9	5799.7	5748.6	5697.2	5600.6	5504.1
5290.3	20°	5427.0	5563.9	5726.0	5888.3	5913.4	5938.2	5830.8	5723.3	5555.4	5387.8
5294.1	22.5°	5435.2	5576.0	5731.1	5886.1	5871.3	5856.2	5716.5	5576.7	5384.9	5193.5
5186.9	25°	5311.8	5437.2	5564.1	5691.2	5640.1	5588.7	5451.1	5313.6	5141.3	4969.2
4976.9	27.5°	5074.1	5171.4	5261.7	5352.3	5295.0	5237.8	5127.5	5017.2	4875.9	4734.4
4718.2	30°	4788.2	4857.7	4926.9	4995.7	4949.2	4902.7	4811.0	4719.5	4602.1	4484.8
4458.6	32.5°	4514.2	4569.8	4633.4	4696.7	4644.9	4593.3	4505.4	4417.6	4323.7	4230.0
4229.4	35°	4280.5	4331.9	4376.9	4422.1	4360.1	4298.0	4211.0	4124.2	4052.8	3981.3
4034.5	37.5°	4081.9	4129.0	4149.9	4170.7	4094.0	4017.4	3930.6	3844.0	3792.8	3741.4
3855.7	40°	3895.8	3935.9	3931.0	3925.9	3837.6	3749.4	3665.7	3582.0	3545.0	3508.0
3674.5	42.5°	3708.2	3742.1	3716.6	3691.2	3595.9	3500.7	3421.2	3341.9	3311.5	3281.4
3496.2	45°	3526.6	3557.1	3520.6	3484.1	3385.3	3286.5	3211.2	3135.9	3110.2	3084.9
3355.1	47.5°	3376.4	3397.7	3355.6	3313.5	3216.1	3118.6	3045.1	2971.3	2947.6	2923.7
3271.0	50°	3271.9	3273.2	3219.2	3165.1	3077.8	2990.6	2921.2	2851.7	2814.3	2777.1
3214.3	52.5°	3202.8	3191.2	3127.2	3063.2	2981.7	2900.4	2836.9	2773.1	2717.3	2661.2
3161.1	55°	3145.2	3129.2	3061.2	2993.5	2922.4	2851.0	2782.4	2713.7	2634.4	2554.9
3104.9	57.5°	3088.7	3072.5	3004.3	2935.9	2865.2	2794.8	2714.2	2633.5	2548.0	2462.5
3026.7	60°	3009.0	2991.2	2922.6	2853.9	2782.2	2710.6	2618.0	2525.4	2450.6	2375.5
2902.0	62.5°	2884.9	2867.9	2805.0	2742.1	2665.6	2589.2	2481.1	2373.3	2325.7	2278.0
2733.6	65°	2716.4	2698.9	2643.5	2588.1	2515.0	2441.9	2326.1	2210.5	2192.3	2173.9
2541.6	67.5°	2524.8	2507.7	2459.9	2412.0	2342.9	2273.6	2166.6	2059.9	2065.6	2071.4
2336.3	70°	2319.9	2303.5	2260.3	2217.1	2157.3	2097.5	2003.6	1909.7	1929.6	1949.6
2110.4	72.5°	2090.9	2071.4	2029.1	1986.8	1932.7	1878.7	1804.9	1731.0	1760.0	1789.2
1841.0	75°	1820.7	1800.3	1761.7	1723.2	1674.3	1625.3	1570.4	1515.4	1543.6	1571.5
1579.7	77.5°	1560.6	1541.6	1501.3	1460.7	1418.7	1376.6	1332.0	1287.3	1315.7	1344.0
1284.6	80°	1259.4	1234.1	1203.6	1172.8	1137.4	1101.9	1064.9	1027.7	1051.6	1075.3
959.1	82.5°	916.1	873.1	807.6	742.0	754.4	766.8	769.9	773.0	789.8	806.7
609.1	85°	555.9	502.8	441.2	379.9	414.2	448.5	464.7	480.6	499.5	518.3
264.0	87.5°	242.5	221.0	195.1	169.4	195.8	221.9	222.6	223.3	226.8	230.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
5669.3	2.5°	5711.8	5764.3	5811.5	5860.2	5908.9	5959.9	6010.8	6061.3	6112.1	6159.7
5581.1	5°	5661.3	5753.2	5846.3	5944.8	6043.4	6148.8	6254.5	6359.2	6464.2	6569.4
5536.4	7.5°	5643.2	5762.1	5889.0	6026.6	6164.1	6320.3	6476.4	6636.8	6797.1	6970.6
5539.5	10°	5652.0	5779.8	5936.4	6099.4	6262.0	6451.8	6641.4	6853.2	7065.1	7284.6
5570.9	12.5°	5663.1	5782.0	5946.6	6130.7	6314.7	6538.4	6762.1	7002.2	7242.3	7483.3
5571.8	15°	5615.9	5711.2	5893.4	6106.5	6319.6	6577.2	6834.8	7095.3	7355.7	7607.1
5488.1	17.5°	5471.9	5530.6	5745.0	6001.3	6257.6	6556.6	6855.6	7139.8	7423.9	7678.9
5312.5	20°	5237.2	5252.7	5502.3	5819.9	6137.5	6499.9	6862.2	7174.5	7486.8	7752.0
5082.1	22.5°	4970.7	4940.4	5224.5	5607.1	5989.6	6430.3	6871.1	7221.5	7571.7	7842.6
4840.7	25°	4712.2	4630.3	4921.5	5369.4	5817.5	6361.7	6906.1	7306.6	7706.8	7971.9
4610.3	27.5°	4486.3	4386.6	4651.8	5152.1	5652.5	6315.8	6979.2	7439.4	7899.5	8152.6
4386.0	30°	4287.6	4209.4	4432.0	4970.5	5508.9	6294.3	7079.3	7611.5	8143.8	8388.1
4171.8	32.5°	4113.5	4078.8	4258.2	4813.9	5369.4	6267.8	7165.7	7791.2	8416.7	8658.5
3965.1	35°	3949.2	3963.6	4113.1	4660.0	5206.8	6217.7	7229.0	7995.8	8762.6	8994.5
3759.1	37.5°	3776.9	3829.6	3960.3	4478.8	4997.3	6132.0	7266.7	8225.1	9183.5	9478.9
3548.1	40°	3588.2	3669.0	3787.5	4262.6	4737.7	6013.9	7290.4	8516.1	9741.6	10172.2
3334.6	42.5°	3387.7	3489.6	3598.8	4024.1	4449.3	5892.1	7335.3	8896.9	10458.4	11079.9
3136.5	45°	3188.4	3286.9	3397.7	3770.7	4143.7	5778.9	7414.4	9397.9	11381.3	12219.7
2967.1	47.5°	3010.5	3095.3	3238.2	3570.2	3902.2	5685.5	7468.7	9931.7	12394.6	13574.8
2815.4	50°	2853.9	2952.5	3140.3	3437.1	3733.9	5583.6	7433.2	10426.9	13420.6	15199.6
2699.1	52.5°	2737.2	2875.0	3090.9	3349.4	3608.1	5411.5	7215.1	10748.5	14281.8	16906.4
2614.9	55°	2675.2	2882.7	3083.6	3285.8	3488.0	5126.2	6764.3	10677.6	14590.7	18419.7
2550.3	57.5°	2638.0	2890.5	3067.7	3210.5	3353.4	4724.0	6094.3	10178.9	14263.6	19492.1
2489.3	60°	2603.0	2866.1	2983.0	3095.3	3207.6	4201.7	5195.7	9250.6	13305.4	19760.1
2420.0	62.5°	2562.2	2806.3	2820.7	2895.1	2969.8	3576.6	4183.5	7995.4	11807.3	18631.6
2325.2	65°	2476.3	2662.3	2660.6	2695.8	2731.0	3014.3	3297.6	6714.7	10132.1	17034.9
2197.2	67.5°	2323.0	2427.5	2432.4	2412.9	2393.2	2473.8	2554.2	5460.2	8366.2	15134.7
2039.0	70°	2128.5	2162.9	2162.9	2071.8	1980.6	1957.8	1934.7	4299.1	6663.6	13061.3
1850.6	72.5°	1911.9	1911.5	1889.8	1760.6	1631.3	1561.7	1492.4	3286.7	5081.0	10813.6
1618.9	75°	1666.1	1674.5	1574.4	1429.5	1284.6	1221.7	1158.8	2385.5	3612.1	8237.0
1381.9	77.5°	1419.8	1424.2	1259.2	1118.5	977.9	934.9	892.2	1616.4	2340.7	5765.2
1107.2	80°	1138.9	1139.6	942.4	823.5	704.3	686.6	668.9	1041.5	1414.2	3714.4
822.2	82.5°	837.7	828.4	660.0	572.3	484.6	481.1	478.0	640.6	803.6	2149.8
534.9	85°	551.5	539.3	414.2	350.0	285.7	287.5	289.0	342.4	396.0	967.0
237.0	87.5°	243.6	228.1	176.1	149.7	123.6	125.1	126.7	142.0	157.3	316.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
6207.3	2.5°	6230.8	6254.5	6287.9	6321.4	6341.3	6361.2	6371.2	6381.2	6376.7	6381.2
6674.6	5°	6756.8	6839.2	6920.7	7002.4	7046.7	7091.0	7117.8	7144.9	7165.2	7144.9
7144.2	7.5°	7278.0	7411.5	7531.8	7652.1	7724.5	7796.9	7836.1	7875.1	7893.9	7875.1
7504.1	10°	7662.3	7820.4	7961.5	8102.6	8188.1	8273.1	8311.2	8349.1	8363.5	8349.1
7724.5	12.5°	7895.9	8067.2	8194.7	8321.9	8383.9	8445.9	8466.7	8487.5	8489.8	8487.5
7858.5	15°	8006.5	8154.2	8234.2	8314.3	8316.6	8318.8	8296.6	8274.5	8248.3	8274.5
7933.8	17.5°	8033.7	8133.6	8135.2	8136.5	8046.8	7957.1	7874.9	7792.5	7734.5	7792.5
8016.9	20°	8051.6	8086.6	7981.4	7876.2	7678.2	7480.2	7336.0	7191.8	7103.2	7191.8
8113.2	22.5°	8067.6	8022.0	7804.0	7586.1	7294.8	7003.6	6823.3	6643.0	6545.1	6643.0
8237.3	25°	8093.3	7949.3	7618.4	7287.5	6933.8	6580.1	6390.5	6201.3	6108.7	6201.3
8405.6	27.5°	8148.2	7890.6	7452.3	7014.2	6622.1	6230.1	6043.6	5857.3	5769.8	5857.3
8632.6	30°	8248.8	7865.2	7325.6	6786.0	6377.6	5969.2	5796.2	5623.2	5541.7	5623.2
8900.6	32.5°	8375.0	7849.6	7239.2	6628.8	6244.9	5861.1	5725.3	5589.3	5530.6	5589.3
9226.2	35°	8583.0	7940.0	7303.9	6668.0	6401.3	6134.9	6103.2	6071.5	6066.6	6071.5
9774.4	37.5°	9017.8	8261.2	7683.1	7105.0	7087.7	7070.4	7215.3	7360.2	7435.5	7360.2
10602.8	40°	9779.9	8957.1	8527.2	8097.3	8400.7	8704.2	9056.3	9408.5	9583.9	9408.5
11701.4	42.5°	10885.0	10068.5	9820.9	9573.3	10235.1	10896.9	11537.5	12178.0	12554.1	12178.0
13058.0	45°	12324.7	11591.1	11481.9	11372.5	12432.7	13493.2	14545.8	15598.5	16237.5	15598.5
14754.6	47.5°	14041.2	13327.6	13305.4	13283.3	14812.9	16342.1	17883.0	19423.7	20328.5	19423.7
16978.4	50°	16097.1	15216.0	15219.8	15223.5	17194.8	19166.1	21200.0	23234.0	24463.7	23234.0
19531.1	52.5°	18464.0	17397.0	17289.2	17181.1	19535.7	21890.4	24407.0	26923.4	28397.4	26923.4
22248.8	55°	21194.5	20140.2	19719.6	19299.0	21919.7	24540.1	27540.2	30540.3	32293.4	30540.3
24720.6	57.5°	24146.5	23572.2	22728.5	21885.1	24531.3	27177.4	30575.5	33973.4	36147.4	33973.4
26214.6	60°	27106.3	27998.3	26950.6	25903.0	28407.1	30911.3	34549.5	38187.7	40537.3	38187.7
25456.0	62.5°	27892.6	30329.2	30211.2	30092.9	32386.9	34681.1	38142.6	41603.8	43775.5	41603.8
23937.7	65°	26224.6	28511.5	28964.0	29416.3	32331.5	35247.0	38603.5	41959.7	43808.8	41959.7
21903.3	67.5°	24078.3	26253.4	26465.5	26677.5	29715.0	32752.4	36123.2	39494.1	40942.7	39494.1
19459.1	70°	21824.9	24190.8	24285.6	24380.6	27097.0	29813.2	32714.0	35614.7	36419.8	35614.7
16546.5	72.5°	19261.3	21976.4	22044.6	22112.6	24237.8	26363.0	28535.6	30708.0	30789.5	30708.0
12862.0	75°	15671.8	18481.7	18733.9	18986.2	20639.7	22293.1	23822.5	25351.9	24942.1	25351.9
9189.7	77.5°	11812.6	14435.7	14796.7	15157.8	16414.7	17671.7	18756.3	19841.2	19136.8	19841.2
6014.6	80°	8221.3	10427.8	10876.5	11325.3	12274.6	13223.5	13793.1	14362.6	13229.7	14362.6
3496.2	82.5°	5004.8	6513.6	7014.8	7516.3	8169.7	8823.1	9060.8	9298.2	8407.8	9298.2
1538.3	85°	2338.9	3139.6	3566.0	3992.4	4529.3	5065.9	5200.8	5335.7	4622.5	5335.7
476.2	87.5°	745.3	1014.4	1252.3	1490.2	1758.6	2027.1	2038.6	2049.9	1721.0	2049.9
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°
5772.1	0°	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1	5772.1
6371.2	2.5°	6361.2	6341.3	6321.4	6287.9	6254.5	6230.8	6207.3
7117.8	5°	7091.0	7046.7	7002.4	6920.7	6839.2	6756.8	6674.6
7836.1	7.5°	7796.9	7724.5	7652.1	7531.8	7411.5	7278.0	7144.2
8311.2	10°	8273.1	8188.1	8102.6	7961.5	7820.4	7662.3	7504.1
8466.7	12.5°	8445.9	8383.9	8321.9	8194.7	8067.2	7895.9	7724.5
8296.6	15°	8318.8	8316.6	8314.3	8234.2	8154.2	8006.5	7858.5
7874.9	17.5°	7957.1	8046.8	8136.5	8135.2	8133.6	8033.7	7933.8
7336.0	20°	7480.2	7678.2	7876.2	7981.4	8086.6	8051.6	8016.9
6823.3	22.5°	7003.6	7294.8	7586.1	7804.0	8022.0	8067.6	8113.2
6390.5	25°	6580.1	6933.8	7287.5	7618.4	7949.3	8093.3	8237.3
6043.6	27.5°	6230.1	6622.1	7014.2	7452.3	7890.6	8148.2	8405.6
5796.2	30°	5969.2	6377.6	6786.0	7325.6	7865.2	8248.8	8632.6
5725.3	32.5°	5861.1	6244.9	6628.8	7239.2	7849.6	8375.0	8900.6
6103.2	35°	6134.9	6401.3	6668.0	7303.9	7940.0	8583.0	9226.2
7215.3	37.5°	7070.4	7087.7	7105.0	7683.1	8261.2	9017.8	9774.4
9056.3	40°	8704.2	8400.7	8097.3	8527.2	8957.1	9779.9	10602.8
11537.5	42.5°	10896.9	10235.1	9573.3	9820.9	10068.5	10885.0	11701.4
14545.8	45°	13493.2	12432.7	11372.5	11481.9	11591.1	12324.7	13058.0
17883.0	47.5°	16342.1	14812.9	13283.3	13305.4	13327.6	14041.2	14754.6
21200.0	50°	19166.1	17194.8	15223.5	15219.8	15216.0	16097.1	16978.4
24407.0	52.5°	21890.4	19535.7	17181.1	17289.2	17397.0	18464.0	19531.1
27540.2	55°	24540.1	21919.7	19299.0	19719.6	20140.2	21194.5	22248.8
30575.5	57.5°	27177.4	24531.3	21885.1	22728.5	23572.2	24146.5	24720.6
34549.5	60°	30911.3	28407.1	25903.0	26950.6	27998.3	27106.3	26214.6
38142.6	62.5°	34681.1	32386.9	30092.9	30211.2	30329.2	27892.6	25456.0
38603.5	65°	35247.0	32331.5	29416.3	28964.0	28511.5	26224.6	23937.7
36123.2	67.5°	32752.4	29715.0	26677.5	26465.5	26253.4	24078.3	21903.3
32714.0	70°	29813.2	27097.0	24380.6	24285.6	24190.8	21824.9	19459.1
28535.6	72.5°	26363.0	24237.8	22112.6	22044.6	21976.4	19261.3	16546.5
23822.5	75°	22293.1	20639.7	18986.2	18733.9	18481.7	15671.8	12862.0
18756.3	77.5°	17671.7	16414.7	15157.8	14796.7	14435.7	11812.6	9189.7
13793.1	80°	13223.5	12274.6	11325.3	10876.5	10427.8	8221.3	6014.6
9060.8	82.5°	8823.1	8169.7	7516.3	7014.8	6513.6	5004.8	3496.2
5200.8	85°	5065.9	4529.3	3992.4	3566.0	3139.6	2338.9	1538.3
2038.6	87.5°	2027.1	1758.6	1490.2	1252.3	1014.4	745.3	476.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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