

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: P955867

Luminaire Tested: **GALN-SB8C-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955867
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-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43725 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

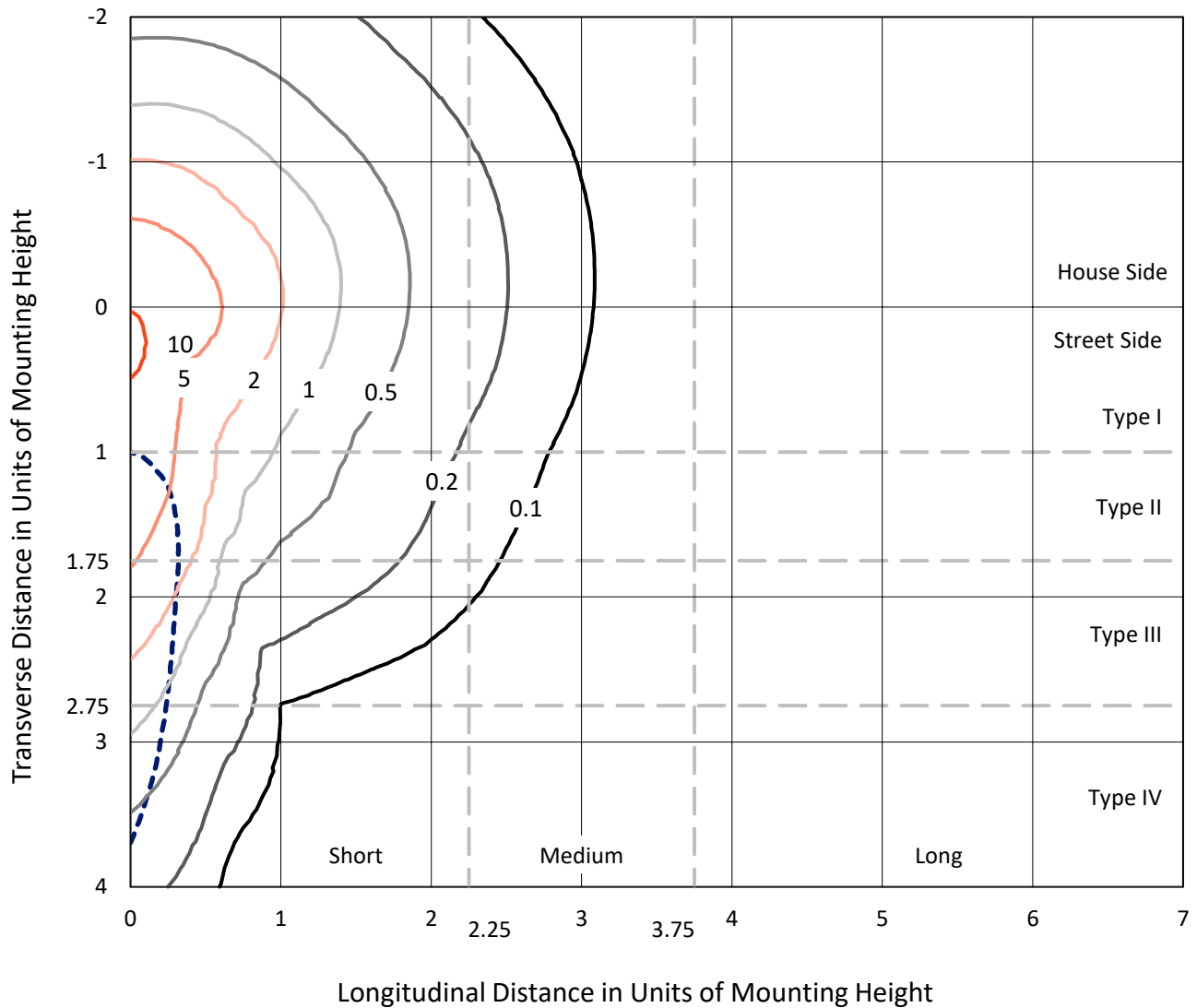
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

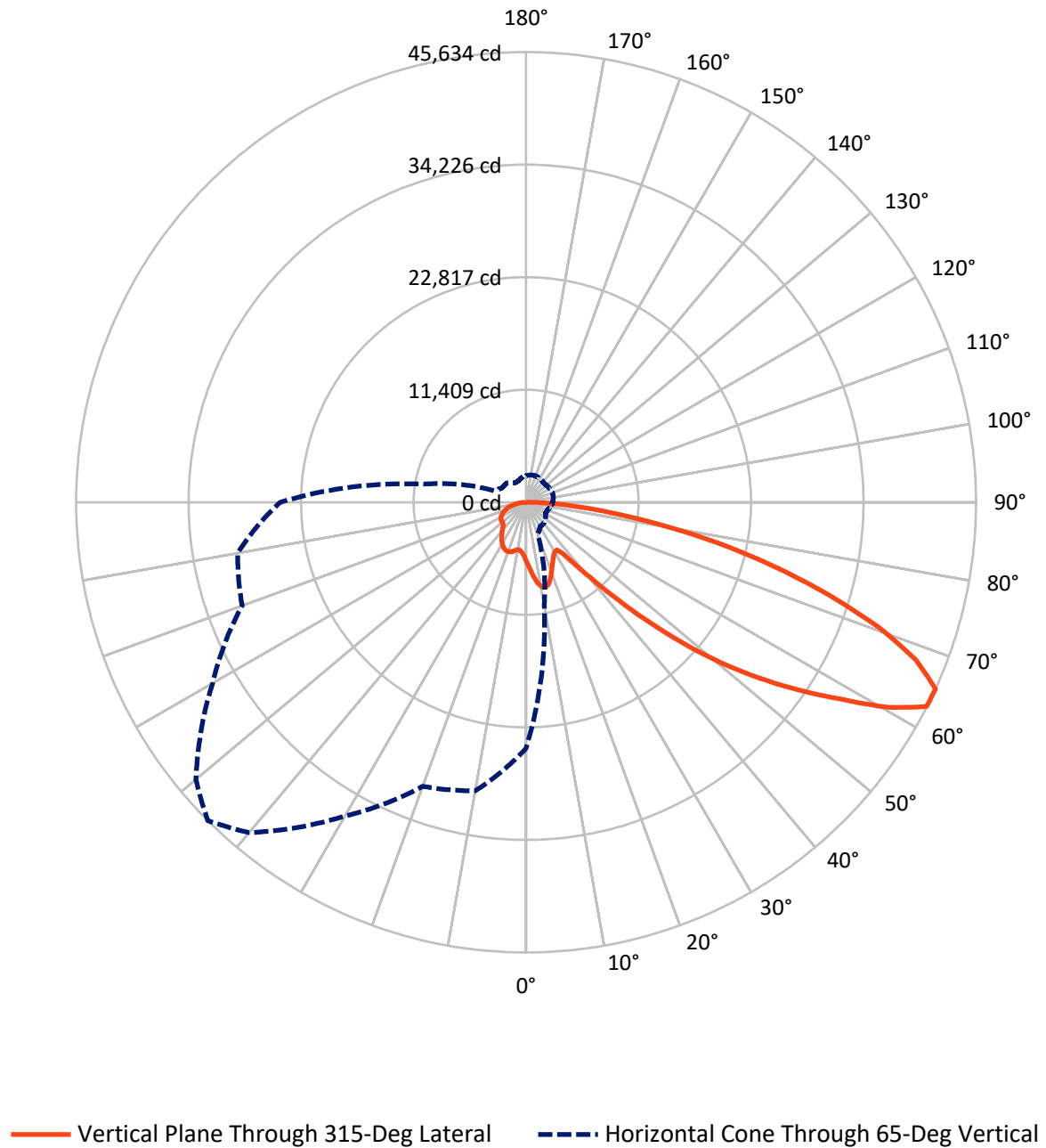
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	11112.7	0.0	11112.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	32612.3	0.0	32612.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	43725.0	0.0	43725.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	1.4
10°-20°	1872.4	4.3
20°-30°	2892.1	6.6
30°-40°	3665.1	8.4
40°-50°	5527.8	12.6
50°-60°	8931.1	20.4
60°-70°	11134.0	25.5
70°-80°	7301.1	16.7
80°-90°	1805.0	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°	43725.0	100.0
0°-180°	43725.0	100.0



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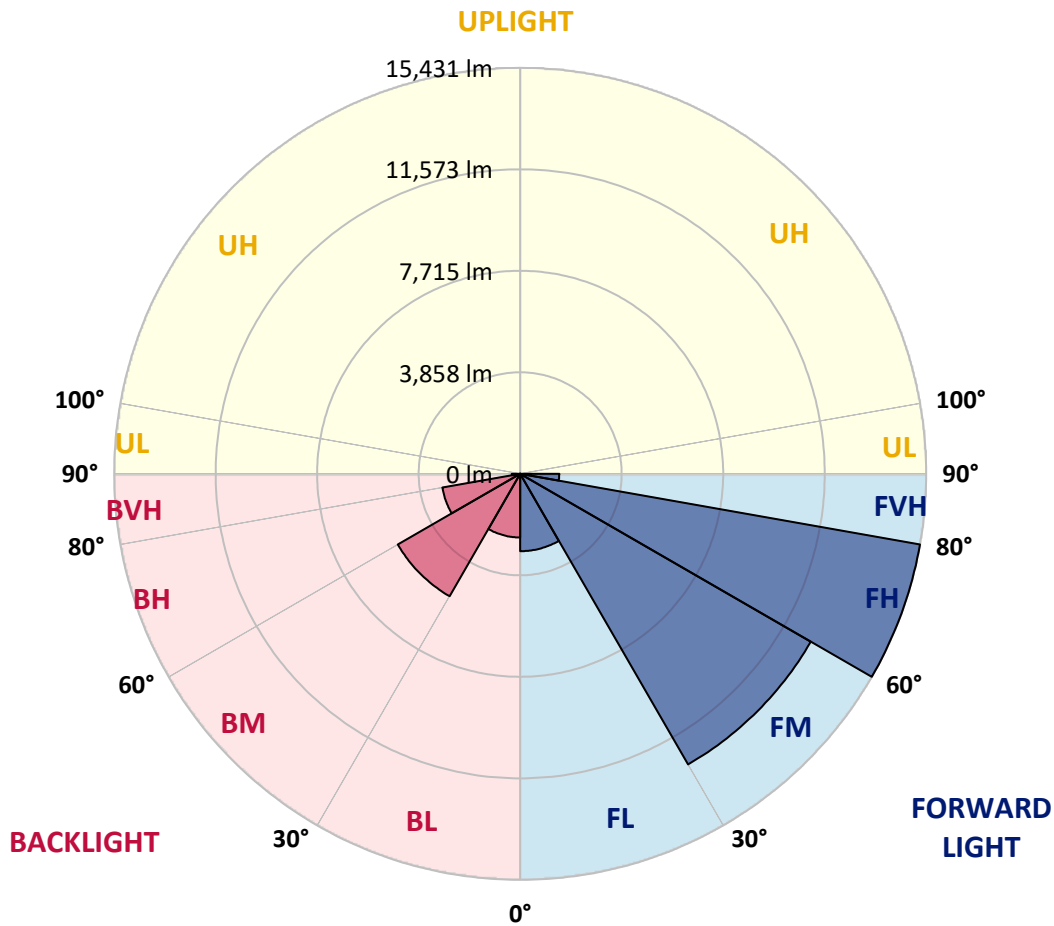
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2941.0	6.7			
FM (30°-60°)	12753.6	29.2			
FH (60°-80°)	15430.7	35.3			G5
FVH (80°-90°)	1486.9	3.4			G5
BL (0°-30°)	2419.9	5.5	B3/2500		
BM (30°-60°)	5370.3	12.3	B4/8500		
BH (60°-80°)	3004.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	318.1	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°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
2.5°	6465.9	6416.3	6366.7	6313.9	6261.3	6208.2	6155.1	6104.4	6053.6	6004.5
5°	6952.7	6843.2	6733.6	6624.2	6515.1	6405.0	6295.2	6192.5	6089.9	5993.0
7.5°	7441.9	7261.0	7080.3	6913.3	6746.3	6583.6	6420.9	6277.7	6134.4	6002.2
10°	7816.8	7588.2	7359.5	7138.7	6918.1	6720.6	6522.9	6353.6	6183.8	6020.6
12.5°	8046.4	7795.1	7544.1	7294.0	7043.9	6810.9	6577.8	6386.1	6194.4	6022.9
15°	8185.9	7924.1	7662.2	7390.9	7119.6	6851.2	6582.9	6361.0	6139.0	5949.1
17.5°	8264.4	7998.8	7733.3	7437.3	7141.2	6829.8	6518.3	6251.4	5984.4	5761.1
20°	8350.9	8075.0	7798.8	7473.5	7148.2	6770.7	6393.3	6062.4	5731.5	5471.5
22.5°	8451.3	8169.3	7887.2	7522.4	7157.4	6698.3	6239.1	5840.7	5442.2	5146.2
25°	8580.5	8304.1	8027.9	7611.0	7193.9	6626.7	6059.9	5593.1	5126.6	4823.2
27.5°	8755.8	8492.3	8228.6	7749.4	7270.0	6579.0	5888.0	5366.8	4845.6	4569.4
30°	8992.3	8737.6	8483.1	7928.7	7374.3	6556.6	5738.5	5177.6	4616.7	4384.8
32.5°	9271.5	9019.3	8767.4	8115.8	7464.3	6528.9	5593.1	5014.5	4435.6	4248.7
35°	9610.6	9369.3	9127.7	8329.0	7530.2	6476.8	5423.8	4854.1	4284.5	4128.7
37.5°	10181.7	9873.9	9566.1	8567.8	7569.5	6387.5	5205.5	4665.4	4125.3	3989.1
40°	11044.6	10596.0	10147.5	8871.0	7594.1	6264.5	4935.1	4440.2	3945.3	3821.9
42.5°	12188.9	11541.5	10894.1	9267.6	7641.0	6137.6	4634.7	4191.7	3748.7	3635.0
45°	13602.1	12728.8	11855.5	9789.5	7723.4	6019.7	4316.3	3927.8	3539.2	3423.9
47.5°	15369.4	14140.4	12911.1	10345.5	7779.9	5922.4	4064.8	3719.0	3373.1	3224.3
50°	17685.8	15832.9	13979.8	10861.4	7743.0	5816.2	3889.5	3580.3	3271.1	3075.5
52.5°	20344.9	17610.9	14876.8	11196.4	7515.7	5637.0	3758.4	3488.9	3219.7	2994.7
55°	23175.8	19187.1	15198.7	11122.6	7046.2	5339.8	3633.4	3422.7	3212.1	3002.8
57.5°	25750.7	20304.3	14857.9	10603.0	6348.3	4920.8	3493.1	3344.3	3195.5	3010.9
60°	27306.9	20583.5	13859.8	9636.0	5412.2	4376.8	3341.3	3224.3	3107.3	2985.5
62.5°	26516.7	19407.9	12299.2	8328.5	4357.8	3725.7	3093.5	3015.7	2938.2	2923.2
65°	24935.1	17744.7	10554.3	6994.5	3435.0	3139.9	2844.8	2808.1	2771.4	2773.3
67.5°	22815.9	15765.3	8714.8	5687.7	2660.7	2576.9	2492.9	2513.5	2533.8	2528.7
70°	20269.9	13605.6	6941.2	4478.3	2015.3	2039.3	2063.1	2158.2	2253.0	2253.0
72.5°	17235.9	11264.2	5292.7	3423.7	1554.6	1626.8	1699.3	1834.0	1968.5	1991.1
75°	13397.9	8580.2	3762.6	2484.9	1207.1	1272.7	1338.2	1489.1	1640.0	1744.2
77.5°	9572.6	6005.4	2438.2	1683.8	929.3	973.9	1018.6	1165.1	1311.6	1483.5
80°	6265.2	3869.2	1473.1	1084.8	696.8	715.2	733.7	857.8	981.7	1187.1
82.5°	3641.9	2239.4	837.1	667.2	497.9	501.1	504.8	596.2	687.5	862.9
85°	1602.4	1007.3	412.5	356.7	301.1	299.5	297.6	364.5	431.4	561.8
87.5°	496.0	329.9	163.8	147.9	132.0	130.4	128.7	156.0	183.4	237.6
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°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
5949.8	2.5°	5905.5	5861.4	5821.5	5781.8	5747.0	5712.2	5677.1	5642.3	5615.3	5588.0
5897.2	5°	5813.7	5729.9	5659.8	5589.9	5528.1	5466.2	5410.2	5353.9	5310.7	5267.3
5878.3	7.5°	5767.1	5656.1	5563.8	5471.5	5393.8	5315.8	5247.0	5178.5	5127.1	5075.8
5887.5	10°	5770.3	5653.1	5560.8	5468.5	5384.8	5300.8	5223.5	5146.2	5084.8	5023.2
5899.0	12.5°	5803.1	5707.6	5646.2	5585.3	5519.3	5453.8	5373.7	5293.9	5215.4	5137.0
5849.9	15°	5804.0	5758.3	5766.6	5774.9	5757.8	5740.8	5671.3	5601.9	5490.2	5378.5
5699.9	17.5°	5716.8	5733.4	5834.0	5934.6	5988.1	6041.4	5985.3	5929.5	5781.6	5633.7
5455.4	20°	5533.8	5612.3	5786.9	5961.8	6073.7	6185.6	6159.8	6133.7	5964.6	5795.7
5177.8	22.5°	5293.9	5409.9	5609.3	5809.1	5954.7	6100.2	6115.9	6131.4	5969.9	5808.4
4908.6	25°	5042.4	5176.2	5355.5	5535.0	5678.3	5821.5	5875.1	5928.4	5795.9	5663.7
4673.2	27.5°	4802.4	4931.6	5079.1	5226.3	5341.2	5456.1	5515.6	5575.3	5481.0	5386.9
4466.3	30°	4568.7	4671.6	4793.9	4916.2	5011.5	5107.0	5155.4	5203.9	5132.1	5060.2
4284.9	32.5°	4345.6	4406.3	4503.9	4601.7	4693.1	4784.7	4838.4	4892.4	4826.4	4760.2
4113.7	35°	4130.4	4147.2	4221.7	4296.0	4386.4	4477.1	4541.7	4606.3	4559.3	4512.4
3934.2	37.5°	3915.8	3897.3	3950.8	4004.1	4094.4	4184.8	4264.6	4344.5	4322.8	4301.1
3737.7	40°	3695.9	3654.1	3692.7	3731.2	3818.4	3905.6	3997.5	4089.5	4094.8	4099.9
3528.9	42.5°	3473.5	3418.1	3449.5	3481.1	3563.7	3646.5	3745.7	3844.9	3871.5	3898.0
3321.2	45°	3267.2	3213.5	3239.8	3266.5	3345.0	3423.4	3526.3	3629.2	3667.3	3705.4
3135.9	47.5°	3090.7	3045.5	3070.4	3095.1	3171.9	3248.5	3350.1	3451.6	3495.4	3539.2
2972.8	50°	2932.7	2892.8	2931.5	2970.5	3043.0	3115.2	3206.1	3297.0	3353.3	3409.6
2851.2	52.5°	2811.6	2772.1	2830.5	2888.6	2955.1	3021.3	3106.0	3190.9	3257.5	3324.2
2786.6	55°	2723.9	2661.4	2744.2	2826.8	2898.3	2969.8	3044.1	3118.2	3188.8	3259.6
2747.9	57.5°	2656.5	2565.1	2654.2	2743.3	2827.2	2911.2	2984.6	3058.2	3129.5	3200.5
2711.4	60°	2593.1	2474.5	2552.7	2630.7	2727.1	2823.6	2898.1	2972.8	3044.4	3115.9
2669.0	62.5°	2520.8	2373.0	2422.6	2472.2	2584.5	2697.1	2776.7	2856.3	2921.8	2987.4
2579.4	65°	2422.1	2264.5	2283.7	2302.6	2423.0	2543.7	2619.8	2696.0	2753.6	2811.3
2419.8	67.5°	2288.7	2157.7	2151.7	2145.7	2256.9	2368.3	2440.6	2512.5	2562.4	2612.2
2217.2	70°	2124.0	2030.8	2010.0	1989.3	2087.1	2184.9	2247.2	2309.5	2354.5	2399.5
1991.6	72.5°	1927.7	1863.8	1833.3	1803.1	1880.1	1957.0	2013.3	2069.6	2113.6	2157.7
1735.5	75°	1686.3	1637.0	1607.9	1578.6	1635.8	1693.0	1744.0	1795.0	1835.1	1875.3
1478.9	77.5°	1439.5	1400.0	1370.5	1340.9	1387.6	1433.9	1477.8	1521.6	1563.8	1605.8
1186.4	80°	1153.4	1120.1	1095.5	1070.5	1109.3	1147.8	1184.7	1221.7	1253.7	1285.6
872.6	82.5°	856.4	840.3	822.7	805.2	802.0	798.8	785.8	772.9	841.2	909.5
574.5	85°	557.2	539.9	520.3	500.7	484.1	467.2	431.4	395.7	459.6	523.7
253.8	87.5°	246.9	239.9	236.3	232.6	231.9	231.2	204.0	176.5	203.3	230.3
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°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
5566.1	2.5°	5544.2	5527.1	5510.1	5494.4	5478.4	5458.8	5478.4	5494.4	5510.1	5527.1
5237.1	5°	5206.9	5185.4	5164.0	5147.6	5131.2	5115.1	5131.2	5147.6	5164.0	5185.4
5039.8	7.5°	5003.9	4979.2	4954.7	4939.9	4925.4	4914.3	4925.4	4939.9	4954.7	4979.2
4983.1	10°	4942.5	4919.2	4895.9	4883.4	4871.0	4865.9	4871.0	4883.4	4895.9	4919.2
5085.1	12.5°	5033.2	5007.1	4981.2	4970.6	4960.0	4958.2	4960.0	4970.6	4981.2	5007.1
5299.6	15°	5220.7	5184.5	5148.5	5134.7	5120.8	5119.7	5120.8	5134.7	5148.5	5184.5
5517.4	17.5°	5401.2	5347.6	5293.9	5276.3	5258.6	5255.8	5258.6	5276.3	5293.9	5347.6
5653.1	20°	5510.7	5442.2	5373.5	5351.6	5329.6	5322.7	5329.6	5351.6	5373.5	5442.2
5661.6	22.5°	5514.7	5442.5	5370.0	5345.8	5321.6	5311.2	5321.6	5345.8	5370.0	5442.5
5533.1	25°	5403.0	5340.2	5277.7	5254.9	5232.3	5218.9	5232.3	5254.9	5277.7	5340.2
5285.6	27.5°	5184.3	5142.3	5100.1	5089.7	5079.3	5075.8	5079.3	5089.7	5100.1	5142.3
4987.7	30°	4914.8	4893.3	4871.7	4871.7	4871.7	4875.1	4871.7	4871.7	4871.7	4893.3
4702.3	32.5°	4644.4	4630.3	4616.2	4618.1	4620.2	4623.6	4620.2	4618.1	4616.2	4630.3
4458.9	35°	4405.6	4384.1	4362.9	4358.3	4353.7	4351.4	4353.7	4358.3	4362.9	4384.1
4251.9	37.5°	4202.6	4163.6	4124.8	4104.3	4083.7	4072.2	4083.7	4104.3	4124.8	4163.6
4058.1	40°	4016.4	3959.6	3903.3	3865.0	3827.2	3804.6	3827.2	3865.0	3903.3	3959.6
3862.7	42.5°	3827.6	3757.3	3686.9	3631.3	3575.7	3539.2	3575.7	3631.3	3686.9	3757.3
3673.5	45°	3641.9	3561.4	3481.1	3415.8	3350.5	3308.5	3350.5	3415.8	3481.1	3561.4
3517.1	47.5°	3494.9	3423.4	3351.9	3291.5	3231.2	3190.9	3231.2	3291.5	3351.9	3423.4
3408.2	50°	3407.3	3350.1	3292.8	3237.0	3181.2	3142.4	3181.2	3237.0	3292.8	3350.1
3336.2	52.5°	3348.2	3301.6	3255.0	3204.9	3155.1	3119.3	3155.1	3204.9	3255.0	3301.6
3276.2	55°	3292.8	3252.2	3211.6	3167.8	3123.9	3091.6	3123.9	3167.8	3211.6	3252.2
3217.4	57.5°	3234.2	3193.2	3152.1	3108.7	3065.1	3031.7	3065.1	3108.7	3152.1	3193.2
3134.3	60°	3152.8	3112.6	3072.7	3028.0	2983.2	2948.6	2983.2	3028.0	3072.7	3112.6
3005.1	62.5°	3022.9	2986.7	2950.4	2903.4	2856.3	2814.8	2856.3	2903.4	2950.4	2986.7
2829.6	65°	2847.5	2812.7	2777.9	2732.2	2686.7	2651.0	2686.7	2732.2	2777.9	2812.7
2630.0	67.5°	2647.5	2615.4	2583.6	2541.2	2498.7	2466.4	2498.7	2541.2	2583.6	2615.4
2416.6	70°	2433.6	2407.6	2381.5	2340.9	2300.3	2263.4	2300.3	2340.9	2381.5	2407.6
2178.0	72.5°	2198.3	2176.6	2154.9	2116.2	2077.6	2041.9	2077.6	2116.2	2154.9	2176.6
1896.5	75°	1917.7	1907.1	1896.5	1864.0	1831.5	1797.3	1831.5	1864.0	1896.5	1907.1
1625.7	77.5°	1645.5	1630.7	1615.5	1582.7	1550.0	1522.8	1550.0	1582.7	1615.5	1630.7
1311.9	80°	1338.2	1331.7	1325.5	1281.4	1237.1	1185.9	1237.1	1281.4	1325.5	1331.7
954.3	82.5°	999.0	996.2	993.2	956.1	918.7	886.0	918.7	956.1	993.2	996.2
579.1	85°	634.5	629.9	625.3	596.2	567.1	537.6	567.1	596.2	625.3	629.9
252.6	87.5°	275.0	269.5	263.5	248.7	233.5	219.2	233.5	248.7	263.5	269.5
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°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
5544.2	2.5°	5566.1	5588.0	5615.3	5642.3	5677.1	5712.2	5747.0	5781.8	5821.5	5861.4
5206.9	5°	5237.1	5267.3	5310.7	5353.9	5410.2	5466.2	5528.1	5589.9	5659.8	5729.9
5003.9	7.5°	5039.8	5075.8	5127.1	5178.5	5247.0	5315.8	5393.8	5471.5	5563.8	5656.1
4942.5	10°	4983.1	5023.2	5084.8	5146.2	5223.5	5300.8	5384.8	5468.5	5560.8	5653.1
5033.2	12.5°	5085.1	5137.0	5215.4	5293.9	5373.7	5453.8	5519.3	5585.3	5646.2	5707.6
5220.7	15°	5299.6	5378.5	5490.2	5601.9	5671.3	5740.8	5757.8	5774.9	5766.6	5758.3
5401.2	17.5°	5517.4	5633.7	5781.6	5929.5	5985.3	6041.4	5988.1	5934.6	5834.0	5733.4
5510.7	20°	5653.1	5795.7	5964.6	6133.7	6159.8	6185.6	6073.7	5961.8	5786.9	5612.3
5514.7	22.5°	5661.6	5808.4	5969.9	6131.4	6115.9	6100.2	5954.7	5809.1	5609.3	5409.9
5403.0	25°	5533.1	5663.7	5795.9	5928.4	5875.1	5821.5	5678.3	5535.0	5355.5	5176.2
5184.3	27.5°	5285.6	5386.9	5481.0	5575.3	5515.6	5456.1	5341.2	5226.3	5079.1	4931.6
4914.8	30°	4987.7	5060.2	5132.1	5203.9	5155.4	5107.0	5011.5	4916.2	4793.9	4671.6
4644.4	32.5°	4702.3	4760.2	4826.4	4892.4	4838.4	4784.7	4693.1	4601.7	4503.9	4406.3
4405.6	35°	4458.9	4512.4	4559.3	4606.3	4541.7	4477.1	4386.4	4296.0	4221.7	4147.2
4202.6	37.5°	4251.9	4301.1	4322.8	4344.5	4264.6	4184.8	4094.4	4004.1	3950.8	3897.3
4016.4	40°	4058.1	4099.9	4094.8	4089.5	3997.5	3905.6	3818.4	3731.2	3692.7	3654.1
3827.6	42.5°	3862.7	3898.0	3871.5	3844.9	3745.7	3646.5	3563.7	3481.1	3449.5	3418.1
3641.9	45°	3673.5	3705.4	3667.3	3629.2	3526.3	3423.4	3345.0	3266.5	3239.8	3213.5
3494.9	47.5°	3517.1	3539.2	3495.4	3451.6	3350.1	3248.5	3171.9	3095.1	3070.4	3045.5
3407.3	50°	3408.2	3409.6	3353.3	3297.0	3206.1	3115.2	3043.0	2970.5	2931.5	2892.8
3348.2	52.5°	3336.2	3324.2	3257.5	3190.9	3106.0	3021.3	2955.1	2888.6	2830.5	2772.1
3292.8	55°	3276.2	3259.6	3188.8	3118.2	3044.1	2969.8	2898.3	2826.8	2744.2	2661.4
3234.2	57.5°	3217.4	3200.5	3129.5	3058.2	2984.6	2911.2	2827.2	2743.3	2654.2	2565.1
3152.8	60°	3134.3	3115.9	3044.4	2972.8	2898.1	2823.6	2727.1	2630.7	2552.7	2474.5
3022.9	62.5°	3005.1	2987.4	2921.8	2856.3	2776.7	2697.1	2584.5	2472.2	2422.6	2373.0
2847.5	65°	2829.6	2811.3	2753.6	2696.0	2619.8	2543.7	2423.0	2302.6	2283.7	2264.5
2647.5	67.5°	2630.0	2612.2	2562.4	2512.5	2440.6	2368.3	2256.9	2145.7	2151.7	2157.7
2433.6	70°	2416.6	2399.5	2354.5	2309.5	2247.2	2184.9	2087.1	1989.3	2010.0	2030.8
2198.3	72.5°	2178.0	2157.7	2113.6	2069.6	2013.3	1957.0	1880.1	1803.1	1833.3	1863.8
1917.7	75°	1896.5	1875.3	1835.1	1795.0	1744.0	1693.0	1635.8	1578.6	1607.9	1637.0
1645.5	77.5°	1625.7	1605.8	1563.8	1521.6	1477.8	1433.9	1387.6	1340.9	1370.5	1400.0
1338.2	80°	1311.9	1285.6	1253.7	1221.7	1184.7	1147.8	1109.3	1070.5	1095.5	1120.1
999.0	82.5°	954.3	909.5	841.2	772.9	785.8	798.8	802.0	805.2	822.7	840.3
634.5	85°	579.1	523.7	459.6	395.7	431.4	467.2	484.1	500.7	520.3	539.9
275.0	87.5°	252.6	230.3	203.3	176.5	204.0	231.2	231.9	232.6	236.3	239.9
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°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
5905.5	2.5°	5949.8	6004.5	6053.6	6104.4	6155.1	6208.2	6261.3	6313.9	6366.7	6416.3
5813.7	5°	5897.2	5993.0	6089.9	6192.5	6295.2	6405.0	6515.1	6624.2	6733.6	6843.2
5767.1	7.5°	5878.3	6002.2	6134.4	6277.7	6420.9	6583.6	6746.3	6913.3	7080.3	7261.0
5770.3	10°	5887.5	6020.6	6183.8	6353.6	6522.9	6720.6	6918.1	7138.7	7359.5	7588.2
5803.1	12.5°	5899.0	6022.9	6194.4	6386.1	6577.8	6810.9	7043.9	7294.0	7544.1	7795.1
5804.0	15°	5849.9	5949.1	6139.0	6361.0	6582.9	6851.2	7119.6	7390.9	7662.2	7924.1
5716.8	17.5°	5699.9	5761.1	5984.4	6251.4	6518.3	6829.8	7141.2	7437.3	7733.3	7998.8
5533.8	20°	5455.4	5471.5	5731.5	6062.4	6393.3	6770.7	7148.2	7473.5	7798.8	8075.0
5293.9	22.5°	5177.8	5146.2	5442.2	5840.7	6239.1	6698.3	7157.4	7522.4	7887.2	8169.3
5042.4	25°	4908.6	4823.2	5126.6	5593.1	6059.9	6626.7	7193.9	7611.0	8027.9	8304.1
4802.4	27.5°	4673.2	4569.4	4845.6	5366.8	5888.0	6579.0	7270.0	7749.4	8228.6	8492.3
4568.7	30°	4466.3	4384.8	4616.7	5177.6	5738.5	6556.6	7374.3	7928.7	8483.1	8737.6
4345.6	32.5°	4284.9	4248.7	4435.6	5014.5	5593.1	6528.9	7464.3	8115.8	8767.4	9019.3
4130.4	35°	4113.7	4128.7	4284.5	4854.1	5423.8	6476.8	7530.2	8329.0	9127.7	9369.3
3915.8	37.5°	3934.2	3989.1	4125.3	4665.4	5205.5	6387.5	7569.5	8567.8	9566.1	9873.9
3695.9	40°	3737.7	3821.9	3945.3	4440.2	4935.1	6264.5	7594.1	8871.0	10147.5	10596.0
3473.5	42.5°	3528.9	3635.0	3748.7	4191.7	4634.7	6137.6	7641.0	9267.6	10894.1	11541.5
3267.2	45°	3321.2	3423.9	3539.2	3927.8	4316.3	6019.7	7723.4	9789.5	11855.5	12728.8
3090.7	47.5°	3135.9	3224.3	3373.1	3719.0	4064.8	5922.4	7779.9	10345.5	12911.1	14140.4
2932.7	50°	2972.8	3075.5	3271.1	3580.3	3889.5	5816.2	7743.0	10861.4	13979.8	15832.9
2811.6	52.5°	2851.2	2994.7	3219.7	3488.9	3758.4	5637.0	7515.7	11196.4	14876.8	17610.9
2723.9	55°	2786.6	3002.8	3212.1	3422.7	3633.4	5339.8	7046.2	11122.6	15198.7	19187.1
2656.5	57.5°	2747.9	3010.9	3195.5	3344.3	3493.1	4920.8	6348.3	10603.0	14857.9	20304.3
2593.1	60°	2711.4	2985.5	3107.3	3224.3	3341.3	4376.8	5412.2	9636.0	13859.8	20583.5
2520.8	62.5°	2669.0	2923.2	2938.2	3015.7	3093.5	3725.7	4357.8	8328.5	12299.2	19407.9
2422.1	65°	2579.4	2773.3	2771.4	2808.1	2844.8	3139.9	3435.0	6994.5	10554.3	17744.7
2288.7	67.5°	2419.8	2528.7	2533.8	2513.5	2492.9	2576.9	2660.7	5687.7	8714.8	15765.3
2124.0	70°	2217.2	2253.0	2253.0	2158.2	2063.1	2039.3	2015.3	4478.3	6941.2	13605.6
1927.7	72.5°	1991.6	1991.1	1968.5	1834.0	1699.3	1626.8	1554.6	3423.7	5292.7	11264.2
1686.3	75°	1735.5	1744.2	1640.0	1489.1	1338.2	1272.7	1207.1	2484.9	3762.6	8580.2
1439.5	77.5°	1478.9	1483.5	1311.6	1165.1	1018.6	973.9	929.3	1683.8	2438.2	6005.4
1153.4	80°	1186.4	1187.1	981.7	857.8	733.7	715.2	696.8	1084.8	1473.1	3869.2
856.4	82.5°	872.6	862.9	687.5	596.2	504.8	501.1	497.9	667.2	837.1	2239.4
557.2	85°	574.5	561.8	431.4	364.5	297.6	299.5	301.1	356.7	412.5	1007.3
246.9	87.5°	253.8	237.6	183.4	156.0	128.7	130.4	132.0	147.9	163.8	329.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
6465.9	2.5°	6490.4	6515.1	6549.9	6584.7	6605.5	6626.3	6636.7	6647.0	6642.4	6647.0
6952.7	5°	7038.3	7124.2	7209.1	7294.2	7340.4	7386.5	7414.4	7442.6	7463.8	7442.6
7441.9	7.5°	7581.2	7720.4	7845.6	7970.9	8046.4	8121.8	8162.6	8203.3	8222.9	8203.3
7816.8	10°	7981.5	8146.3	8293.2	8440.2	8529.3	8617.9	8657.5	8697.0	8712.0	8697.0
8046.4	12.5°	8224.9	8403.3	8536.2	8668.6	8733.2	8797.8	8819.5	8841.2	8843.5	8841.2
8185.9	15°	8340.1	8494.0	8577.2	8660.8	8663.1	8665.4	8642.3	8619.2	8592.0	8619.2
8264.4	17.5°	8368.4	8472.5	8474.1	8475.5	8382.1	8288.6	8203.0	8117.2	8056.7	8117.2
8350.9	20°	8387.1	8423.6	8314.0	8204.4	7998.1	7791.9	7641.7	7491.5	7399.2	7491.5
8451.3	22.5°	8403.7	8356.2	8129.2	7902.2	7598.8	7295.4	7107.6	6919.8	6817.8	6919.8
8580.5	25°	8430.5	8280.5	7935.8	7591.2	7222.7	6854.2	6656.7	6459.7	6363.3	6459.7
8755.8	27.5°	8487.7	8219.4	7762.8	7306.4	6898.1	6489.7	6295.4	6101.4	6010.3	6101.4
8992.3	30°	8592.5	8192.9	7630.8	7068.8	6643.4	6217.9	6037.7	5857.5	5772.6	5857.5
9271.5	32.5°	8724.0	8176.7	7540.9	6905.0	6505.2	6105.3	5963.9	5822.2	5761.1	5822.2
9610.6	35°	8940.6	8270.9	7608.2	6945.8	6668.0	6390.5	6357.5	6324.5	6319.4	6324.5
10181.7	37.5°	9393.5	8605.4	8003.2	7401.0	7383.0	7365.0	7515.9	7666.8	7745.3	7666.8
11044.6	40°	10187.4	9330.3	8882.5	8434.7	8750.7	9066.8	9433.7	9800.5	9983.3	9800.5
12188.9	42.5°	11338.5	10488.1	10230.1	9972.2	10661.6	11351.0	12018.2	12685.4	13077.2	12685.4
13602.1	45°	12838.2	12074.0	11960.3	11846.3	12950.8	14055.5	15151.8	16248.5	16914.1	16248.5
15369.4	47.5°	14626.3	13882.9	13859.8	13836.7	15430.1	17023.0	18628.1	20233.0	21175.5	20233.0
17685.8	50°	16767.8	15850.0	15853.9	15857.8	17911.3	19964.7	22083.4	24202.1	25483.0	24202.1
20344.9	52.5°	19233.3	18121.9	18009.5	17897.0	20349.7	22802.5	25424.0	28045.2	29580.6	28045.2
23175.8	55°	22077.6	20979.4	20541.2	20103.1	22833.0	25562.6	28687.7	31812.8	33639.0	31812.8
25750.7	57.5°	25152.6	24554.4	23675.6	22797.0	25553.4	28309.8	31849.5	35389.0	37653.5	35389.0
27306.9	60°	28235.7	29164.9	28073.6	26982.2	29590.8	32199.3	35989.1	39778.9	42226.4	39778.9
26516.7	62.5°	29054.8	31593.0	31470.0	31346.8	33736.3	36126.1	39731.8	43337.3	45599.5	43337.3
24935.1	65°	27317.3	29699.4	30170.8	30641.9	33678.7	36715.6	40212.0	43708.1	45634.1	43708.1
22815.9	67.5°	25081.6	27347.2	27568.3	27789.1	30953.2	34117.0	37628.4	41139.7	42648.6	41139.7
20269.9	70°	22734.2	25198.8	25297.5	25396.5	28226.1	31055.4	34077.1	37098.6	37937.3	37098.6
17235.9	72.5°	20063.9	22892.0	22963.1	23033.9	25247.7	27461.5	29724.6	31987.5	32072.4	31987.5
13397.9	75°	16324.8	19251.7	19514.5	19777.3	21499.6	23222.0	24815.1	26408.2	25981.4	26408.2
9572.6	77.5°	12304.8	15037.2	15413.3	15789.3	17098.7	18408.0	19537.8	20667.9	19934.2	20667.9
6265.2	80°	8563.9	10862.3	11329.7	11797.2	12786.0	13774.4	14367.9	14961.0	13780.9	14961.0
3641.9	82.5°	5213.3	6785.0	7307.1	7829.5	8510.1	9190.7	9438.3	9685.6	8758.1	9685.6
1602.4	85°	2436.4	3270.5	3714.6	4158.7	4718.0	5277.0	5417.5	5558.0	4815.1	5558.0
496.0	87.5°	776.4	1056.7	1304.5	1552.3	1831.9	2111.5	2123.5	2135.3	1792.7	2135.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
6012.6	0°	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6	6012.6
6636.7	2.5°	6626.3	6605.5	6584.7	6549.9	6515.1	6490.4	6465.9
7414.4	5°	7386.5	7340.4	7294.2	7209.1	7124.2	7038.3	6952.7
8162.6	7.5°	8121.8	8046.4	7970.9	7845.6	7720.4	7581.2	7441.9
8657.5	10°	8617.9	8529.3	8440.2	8293.2	8146.3	7981.5	7816.8
8819.5	12.5°	8797.8	8733.2	8668.6	8536.2	8403.3	8224.9	8046.4
8642.3	15°	8665.4	8663.1	8660.8	8577.2	8494.0	8340.1	8185.9
8203.0	17.5°	8288.6	8382.1	8475.5	8474.1	8472.5	8368.4	8264.4
7641.7	20°	7791.9	7998.1	8204.4	8314.0	8423.6	8387.1	8350.9
7107.6	22.5°	7295.4	7598.8	7902.2	8129.2	8356.2	8403.7	8451.3
6656.7	25°	6854.2	7222.7	7591.2	7935.8	8280.5	8430.5	8580.5
6295.4	27.5°	6489.7	6898.1	7306.4	7762.8	8219.4	8487.7	8755.8
6037.7	30°	6217.9	6643.4	7068.8	7630.8	8192.9	8592.5	8992.3
5963.9	32.5°	6105.3	6505.2	6905.0	7540.9	8176.7	8724.0	9271.5
6357.5	35°	6390.5	6668.0	6945.8	7608.2	8270.9	8940.6	9610.6
7515.9	37.5°	7365.0	7383.0	7401.0	8003.2	8605.4	9393.5	10181.7
9433.7	40°	9066.8	8750.7	8434.7	8882.5	9330.3	10187.4	11044.6
12018.2	42.5°	11351.0	10661.6	9972.2	10230.1	10488.1	11338.5	12188.9
15151.8	45°	14055.5	12950.8	11846.3	11960.3	12074.0	12838.2	13602.1
18628.1	47.5°	17023.0	15430.1	13836.7	13859.8	13882.9	14626.3	15369.4
22083.4	50°	19964.7	17911.3	15857.8	15853.9	15850.0	16767.8	17685.8
25424.0	52.5°	22802.5	20349.7	17897.0	18009.5	18121.9	19233.3	20344.9
28687.7	55°	25562.6	22833.0	20103.1	20541.2	20979.4	22077.6	23175.8
31849.5	57.5°	28309.8	25553.4	22797.0	23675.6	24554.4	25152.6	25750.7
35989.1	60°	32199.3	29590.8	26982.2	28073.6	29164.9	28235.7	27306.9
39731.8	62.5°	36126.1	33736.3	31346.8	31470.0	31593.0	29054.8	26516.7
40212.0	65°	36715.6	33678.7	30641.9	30170.8	29699.4	27317.3	24935.1
37628.4	67.5°	34117.0	30953.2	27789.1	27568.3	27347.2	25081.6	22815.9
34077.1	70°	31055.4	28226.1	25396.5	25297.5	25198.8	22734.2	20269.9
29724.6	72.5°	27461.5	25247.7	23033.9	22963.1	22892.0	20063.9	17235.9
24815.1	75°	23222.0	21499.6	19777.3	19514.5	19251.7	16324.8	13397.9
19537.8	77.5°	18408.0	17098.7	15789.3	15413.3	15037.2	12304.8	9572.6
14367.9	80°	13774.4	12786.0	11797.2	11329.7	10862.3	8563.9	6265.2
9438.3	82.5°	9190.7	8510.1	7829.5	7307.1	6785.0	5213.3	3641.9
5417.5	85°	5277.0	4718.0	4158.7	3714.6	3270.5	2436.4	1602.4
2123.5	87.5°	2111.5	1831.9	1552.3	1304.5	1056.7	776.4	496.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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