

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: P955279

Luminaire Tested: **GALN-SB8B-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955279
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-SB8B-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48001 lumens
Efficiency: N/A
Efficacy: 163.9 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

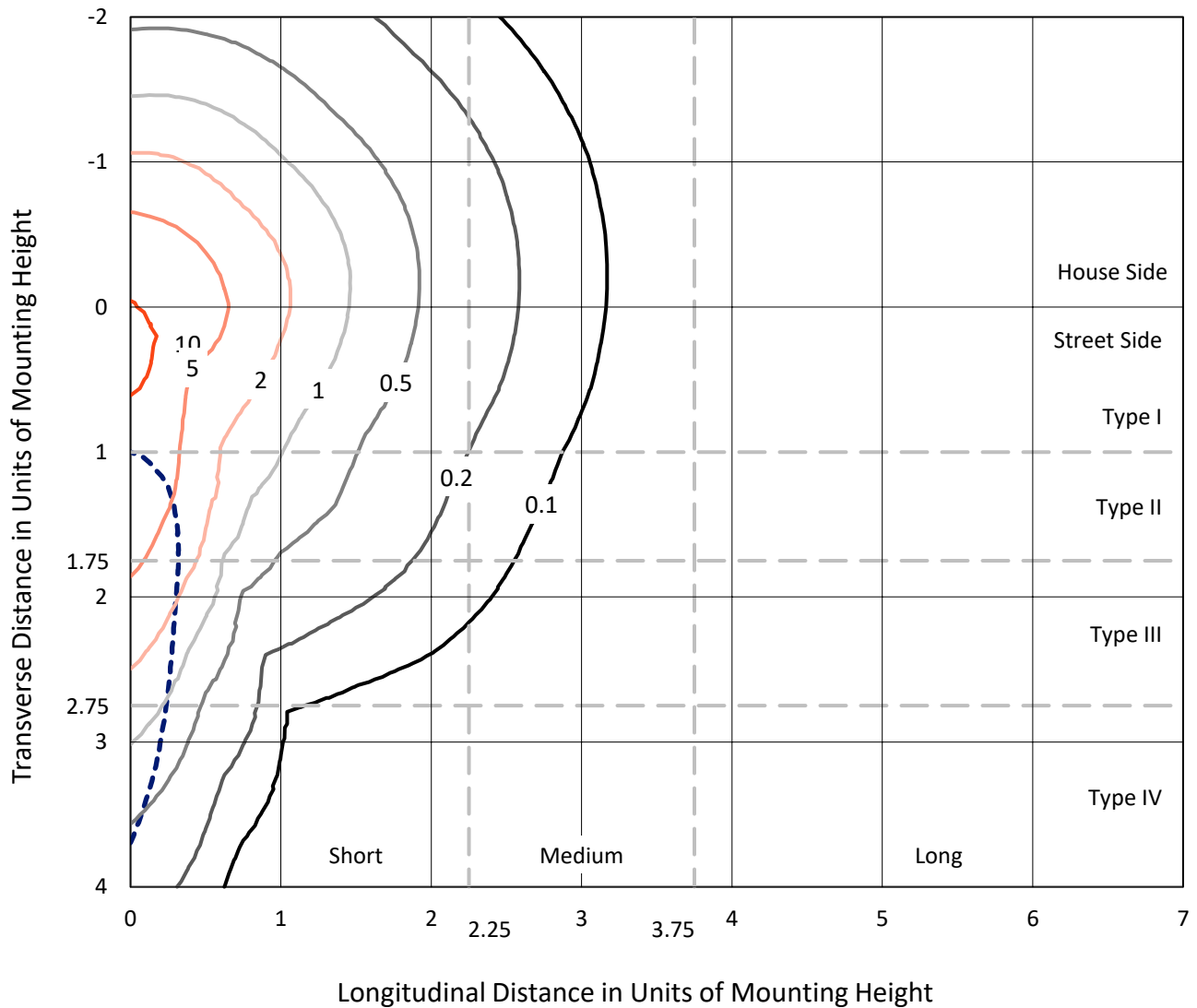
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

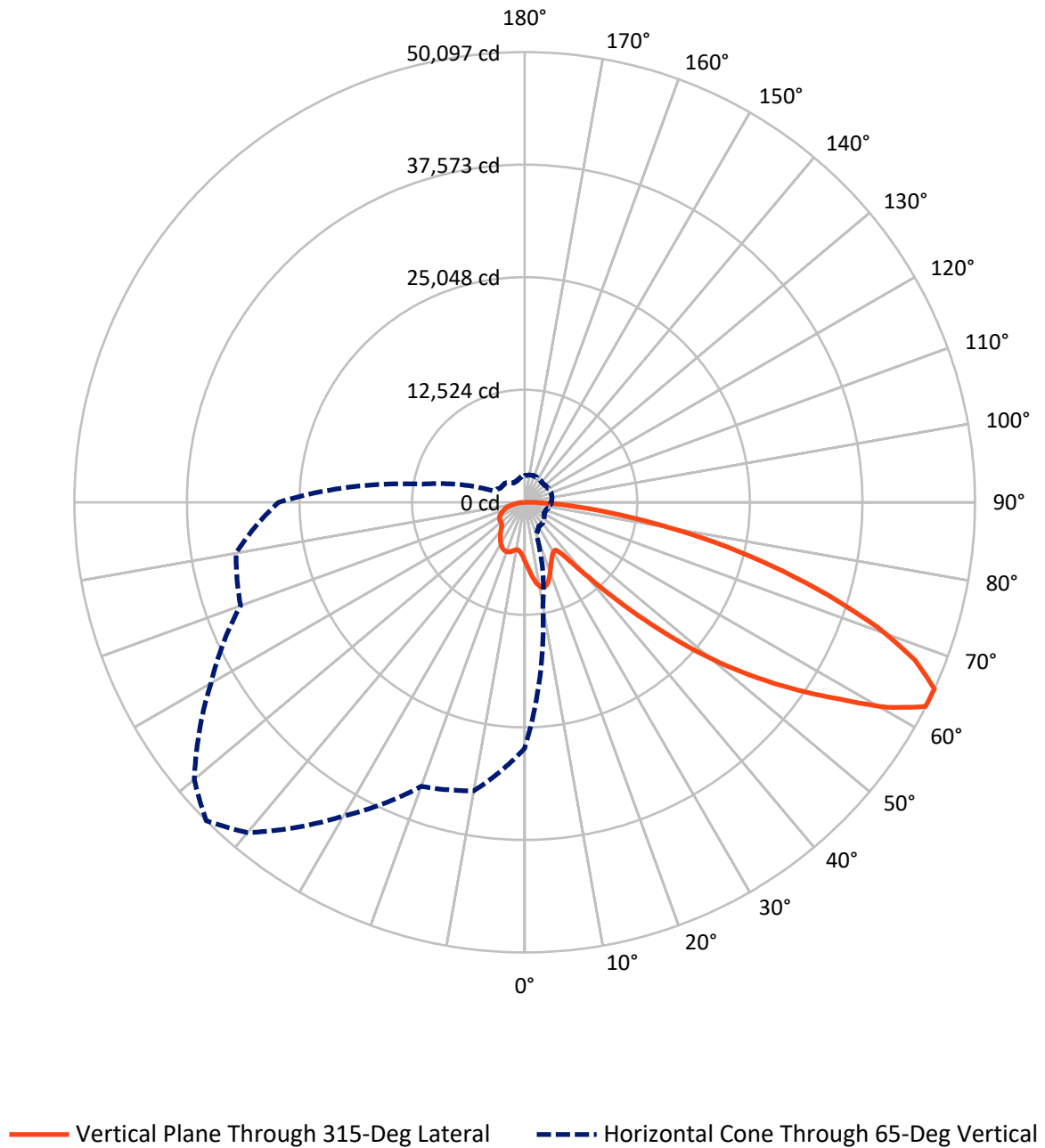
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	12199.4	0.0	12199.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	35801.6	0.0	35801.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	48001.0	0.0	48001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.8	1.4
10°-20°	2055.5	4.3
20°-30°	3175.0	6.6
30°-40°	4023.5	8.4
40°-50°	6068.4	12.6
50°-60°	9804.4	20.4
60°-70°	12222.8	25.5
70°-80°	8015.1	16.7
80°-90°	1981.5	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°	48001.0	100.0
0°-180°	48001.0	100.0

Coefficient of Utilization



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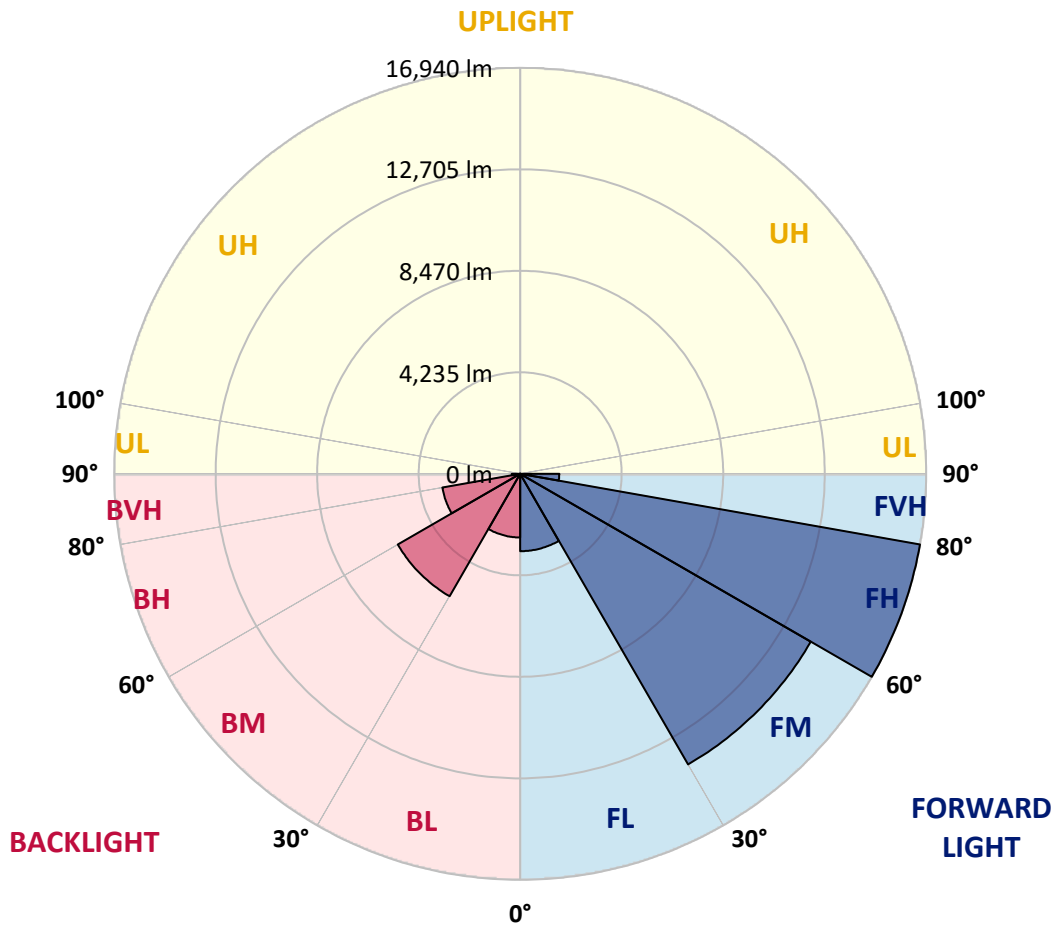
CATALOG NUMBER: GALN-SB8B-740-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3228.6	6.7			
FM (30°-60°)	14000.8	29.2			
FH (60°-80°)	16939.7	35.3			G5
FVH (80°-90°)	1632.3	3.4			G5
BL (0°-30°)	2656.6	5.5	B4/5000		
BM (30°-60°)	5895.5	12.3	B4/8500		
BH (60°-80°)	3298.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	349.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
2.5°	7098.3	7043.8	6989.3	6931.3	6873.6	6815.3	6757.1	6701.4	6645.6	6591.7
5°	7632.7	7512.4	7392.1	7272.0	7152.2	7031.4	6910.8	6798.1	6685.4	6579.0
7.5°	8169.6	7971.1	7772.7	7589.4	7406.0	7227.4	7048.9	6891.6	6734.3	6589.2
10°	8581.2	8330.2	8079.2	7836.8	7594.7	7377.9	7160.8	6974.9	6788.5	6609.4
12.5°	8833.2	8557.4	8281.8	8007.3	7732.7	7476.9	7221.1	7010.6	6800.1	6611.9
15°	8986.5	8699.0	8411.5	8113.7	7815.8	7521.2	7226.7	6983.0	6739.3	6530.9
17.5°	9072.6	8781.1	8489.5	8164.6	7839.6	7497.7	7155.7	6862.7	6569.7	6324.5
20°	9167.6	8864.6	8561.5	8204.3	7847.2	7432.8	7018.5	6655.3	6292.1	6006.6
22.5°	9277.8	8968.2	8658.5	8258.0	7857.3	7353.3	6849.3	6411.9	5974.4	5649.5
25°	9419.6	9116.2	8813.0	8355.3	7897.4	7274.8	6652.5	6140.1	5627.9	5294.9
27.5°	9612.1	9322.8	9033.3	8507.3	7980.9	7222.4	6463.8	5891.6	5319.4	5016.3
30°	9871.7	9592.1	9312.7	8704.1	8095.4	7197.8	6299.7	5683.9	5068.2	4813.6
32.5°	10178.2	9901.3	9624.7	8909.5	8194.2	7167.4	6140.1	5504.8	4869.4	4664.2
35°	10550.5	10285.6	10020.4	9143.5	8266.6	7110.2	5954.2	5328.8	4703.5	4532.5
37.5°	11177.4	10839.5	10501.6	9405.7	8309.7	7012.1	5714.6	5121.6	4528.7	4379.3
40°	12124.6	11632.3	11139.9	9738.5	8336.8	6877.1	5417.7	4874.4	4331.1	4195.6
42.5°	13380.9	12670.2	11959.5	10173.9	8388.2	6737.8	5087.9	4601.6	4115.3	3990.5
45°	14932.3	13973.6	13014.9	10746.8	8478.6	6608.4	4738.4	4311.9	3885.4	3758.7
47.5°	16872.4	15523.2	14173.7	11357.2	8540.7	6501.5	4462.3	4082.7	3703.0	3539.6
50°	19415.4	17381.3	15346.9	11923.5	8500.2	6385.0	4269.8	3930.4	3591.0	3376.3
52.5°	22334.5	19333.1	16331.7	12291.3	8250.7	6188.2	4126.0	3830.1	3534.6	3287.6
55°	25442.3	21063.5	16685.0	12210.3	7735.3	5862.0	3988.7	3757.5	3526.2	3296.5
57.5°	28268.9	22289.9	16310.9	11639.9	6969.1	5402.0	3834.7	3671.3	3508.0	3305.3
60°	29977.3	22596.4	15215.2	10578.4	5941.5	4804.8	3668.0	3539.6	3411.2	3277.5
62.5°	29109.8	21305.9	13502.0	9143.0	4784.0	4090.0	3396.0	3310.7	3225.6	3209.1
65°	27373.5	19480.0	11586.4	7678.5	3770.9	3446.9	3123.0	3082.7	3042.4	3044.5
67.5°	25047.1	17307.1	9567.0	6243.9	2920.9	2828.9	2736.7	2759.3	2781.6	2776.0
70°	22252.2	14936.1	7620.0	4916.2	2212.4	2238.8	2264.9	2369.2	2473.3	2473.3
72.5°	18921.5	12365.8	5810.3	3758.5	1706.6	1785.9	1865.4	2013.3	2161.0	2185.8
75°	14708.1	9419.3	4130.5	2727.9	1325.2	1397.1	1469.0	1634.7	1800.3	1914.8
77.5°	10508.7	6592.7	2676.7	1848.5	1020.2	1069.1	1118.2	1279.1	1439.9	1628.6
80°	6877.9	4247.6	1617.2	1190.9	764.9	785.2	805.4	941.7	1077.7	1303.1
82.5°	3998.1	2458.4	918.9	732.5	546.6	550.1	554.2	654.5	754.8	947.3
85°	1759.0	1105.8	452.9	391.6	330.5	328.8	326.7	400.2	473.6	616.7
87.5°	544.6	362.2	179.8	162.4	144.9	143.1	141.3	171.2	201.4	260.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
6531.7	2.5°	6483.0	6434.7	6390.8	6347.3	6309.0	6270.8	6232.3	6194.0	6164.4	6134.5
6473.9	5°	6382.2	6290.3	6213.3	6136.5	6068.7	6000.8	5939.2	5877.4	5830.1	5782.4
6453.1	7.5°	6331.1	6209.2	6107.9	6006.6	5921.2	5835.6	5760.2	5684.9	5628.5	5572.2
6463.3	10°	6334.6	6205.9	6104.6	6003.3	5911.4	5819.2	5734.3	5649.5	5582.1	5514.5
6475.9	12.5°	6370.6	6265.7	6198.3	6131.5	6059.0	5987.1	5899.2	5811.6	5725.5	5639.3
6422.0	15°	6371.6	6321.4	6330.6	6339.7	6320.9	6302.2	6225.9	6149.7	6027.1	5904.5
6257.4	17.5°	6275.8	6294.1	6404.5	6514.9	6573.7	6632.2	6570.7	6509.4	6347.0	6184.7
5988.9	20°	6075.0	6161.1	6352.8	6544.8	6667.7	6790.5	6762.1	6733.5	6547.9	6362.5
5684.2	22.5°	5811.6	5939.0	6157.8	6377.2	6537.0	6696.8	6714.0	6731.0	6553.7	6376.4
5388.6	25°	5535.5	5682.4	5879.2	6076.3	6233.5	6390.8	6449.6	6508.1	6362.7	6217.6
5130.2	27.5°	5272.1	5413.9	5575.8	5737.4	5863.5	5989.6	6055.0	6120.6	6017.0	5913.6
4903.0	30°	5015.5	5128.5	5262.7	5397.0	5501.6	5606.4	5659.6	5712.8	5634.0	5555.0
4704.0	32.5°	4770.6	4837.2	4944.3	5051.7	5152.0	5252.6	5311.6	5370.9	5298.4	5225.7
4516.0	35°	4534.3	4552.8	4634.6	4716.1	4815.4	4915.0	4985.9	5056.8	5005.1	4953.7
4319.0	37.5°	4298.7	4278.5	4337.2	4395.7	4494.8	4594.0	4681.7	4769.3	4745.5	4721.7
4103.2	40°	4057.3	4011.5	4053.8	4096.1	4191.8	4287.6	4388.4	4489.4	4495.3	4500.8
3874.0	42.5°	3813.2	3752.4	3786.8	3821.5	3912.2	4003.1	4112.0	4221.0	4250.1	4279.2
3646.0	45°	3586.7	3527.7	3556.6	3586.0	3672.1	3758.2	3871.2	3984.1	4025.9	4067.7
3442.6	47.5°	3393.0	3343.3	3370.7	3397.8	3482.1	3566.2	3677.7	3789.1	3837.2	3885.4
3263.5	50°	3219.5	3175.7	3218.2	3261.0	3340.5	3419.8	3519.6	3619.4	3681.2	3743.0
3130.1	52.5°	3086.5	3043.2	3107.3	3171.1	3244.0	3316.7	3409.7	3502.9	3576.1	3649.3
3059.2	55°	2990.3	2921.6	3012.5	3103.2	3181.7	3260.3	3341.8	3423.1	3500.6	3578.4
3016.6	57.5°	2916.3	2816.0	2913.8	3011.5	3103.7	3195.9	3276.5	3357.3	3435.5	3513.5
2976.6	60°	2846.6	2716.5	2802.3	2887.9	2993.8	3099.7	3181.5	3263.5	3342.1	3420.6
2930.0	62.5°	2767.4	2605.0	2659.5	2713.9	2837.3	2960.9	3048.3	3135.6	3207.6	3279.5
2831.7	65°	2659.0	2486.0	2507.0	2527.8	2660.0	2792.4	2876.0	2959.6	3022.9	3086.3
2656.4	67.5°	2512.6	2368.7	2362.1	2355.5	2477.6	2599.9	2679.2	2758.3	2813.0	2867.7
2434.0	70°	2331.7	2229.4	2206.6	2183.8	2291.2	2398.6	2467.0	2535.4	2584.8	2634.1
2186.3	72.5°	2116.2	2046.0	2012.6	1979.4	2064.0	2148.3	2210.1	2271.9	2320.3	2368.7
1905.2	75°	1851.2	1797.0	1765.1	1733.0	1795.8	1858.6	1914.6	1970.5	2014.6	2058.7
1623.5	77.5°	1580.2	1536.9	1504.5	1472.1	1523.2	1574.2	1622.3	1670.4	1716.8	1762.8
1302.4	80°	1266.2	1229.7	1202.6	1175.2	1217.8	1260.1	1300.6	1341.1	1376.3	1411.3
957.9	82.5°	940.2	922.5	903.2	884.0	880.4	876.9	862.7	848.5	923.5	998.4
630.7	85°	611.7	592.7	571.2	549.6	531.4	512.9	473.6	434.4	504.5	575.0
278.6	87.5°	271.0	263.4	259.4	255.3	254.5	253.8	223.9	193.8	223.1	252.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
6110.4	2.5°	6086.4	6067.6	6048.9	6031.7	6014.2	5992.7	6014.2	6031.7	6048.9	6067.6
5749.3	5°	5716.1	5692.5	5669.0	5651.0	5633.0	5615.3	5633.0	5651.0	5669.0	5692.5
5532.7	7.5°	5493.2	5466.1	5439.2	5423.0	5407.1	5394.9	5407.1	5423.0	5439.2	5466.1
5470.4	10°	5425.8	5400.2	5374.7	5361.0	5347.3	5341.7	5347.3	5361.0	5374.7	5400.2
5582.4	12.5°	5525.4	5496.7	5468.4	5456.7	5445.1	5443.0	5445.1	5456.7	5468.4	5496.7
5817.9	15°	5731.3	5691.5	5652.0	5636.8	5621.6	5620.3	5621.6	5636.8	5652.0	5691.5
6057.0	17.5°	5929.4	5870.6	5811.6	5792.3	5772.8	5769.8	5772.8	5792.3	5811.6	5870.6
6205.9	20°	6049.7	5974.4	5899.0	5874.9	5850.8	5843.2	5850.8	5874.9	5899.0	5974.4
6215.3	22.5°	6054.0	5974.7	5895.2	5868.6	5842.0	5830.6	5842.0	5868.6	5895.2	5974.7
6074.2	25°	5931.4	5862.5	5793.8	5768.8	5743.9	5729.3	5743.9	5768.8	5793.8	5862.5
5802.5	27.5°	5691.3	5645.2	5598.8	5587.4	5576.0	5572.2	5576.0	5587.4	5598.8	5645.2
5475.5	30°	5395.4	5371.9	5348.1	5348.1	5348.1	5351.9	5348.1	5348.1	5348.1	5371.9
5162.2	32.5°	5098.6	5083.1	5067.7	5069.7	5072.0	5075.8	5072.0	5069.7	5067.7	5083.1
4894.9	35°	4836.4	4812.9	4789.6	4784.5	4779.4	4776.9	4779.4	4784.5	4789.6	4812.9
4667.7	37.5°	4613.5	4570.7	4528.2	4505.6	4483.1	4470.4	4483.1	4505.6	4528.2	4570.7
4455.0	40°	4409.1	4346.8	4285.0	4243.0	4201.5	4176.6	4201.5	4243.0	4285.0	4346.8
4240.5	42.5°	4202.0	4124.7	4047.5	3986.4	3925.4	3885.4	3925.4	3986.4	4047.5	4124.7
4032.8	45°	3998.1	3909.7	3821.5	3749.9	3678.2	3632.1	3678.2	3749.9	3821.5	3909.7
3861.0	47.5°	3836.7	3758.2	3679.7	3613.3	3547.2	3502.9	3547.2	3613.3	3679.7	3758.2
3741.5	50°	3740.5	3677.7	3614.9	3553.6	3492.3	3449.7	3492.3	3553.6	3614.9	3677.7
3662.5	52.5°	3675.6	3624.5	3573.3	3518.4	3463.6	3424.4	3463.6	3518.4	3573.3	3624.5
3596.6	55°	3614.9	3570.3	3525.7	3477.6	3429.4	3394.0	3429.4	3477.6	3525.7	3570.3
3532.0	57.5°	3550.5	3505.4	3460.4	3412.7	3364.9	3328.1	3364.9	3412.7	3460.4	3505.4
3440.8	60°	3461.1	3417.0	3373.2	3324.1	3274.9	3237.0	3274.9	3324.1	3373.2	3417.0
3299.0	62.5°	3318.5	3278.7	3239.0	3187.3	3135.6	3090.1	3135.6	3187.3	3239.0	3278.7
3106.3	65°	3126.0	3087.8	3049.5	2999.4	2949.5	2910.2	2949.5	2999.4	3049.5	3087.8
2887.2	67.5°	2906.4	2871.2	2836.3	2789.7	2743.1	2707.6	2743.1	2789.7	2836.3	2871.2
2652.9	70°	2671.6	2643.0	2614.4	2569.8	2525.2	2484.7	2525.2	2569.8	2614.4	2643.0
2391.0	72.5°	2413.3	2389.5	2365.7	2323.1	2280.8	2241.6	2280.8	2323.1	2365.7	2389.5
2082.0	75°	2105.3	2093.6	2082.0	2046.3	2010.6	1973.1	2010.6	2046.3	2082.0	2093.6
1784.6	77.5°	1806.4	1790.2	1773.5	1737.5	1701.6	1671.7	1701.6	1737.5	1773.5	1790.2
1440.2	80°	1469.0	1461.9	1455.1	1406.7	1358.1	1301.9	1358.1	1406.7	1455.1	1461.9
1047.6	82.5°	1096.7	1093.7	1090.4	1049.6	1008.6	972.6	1008.6	1049.6	1090.4	1093.7
635.7	85°	696.5	691.5	686.4	654.5	622.6	590.1	622.6	654.5	686.4	691.5
277.3	87.5°	301.9	295.8	289.2	273.0	256.3	240.6	256.3	273.0	289.2	295.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
6086.4	2.5°	6110.4	6134.5	6164.4	6194.0	6232.3	6270.8	6309.0	6347.3	6390.8	6434.7
5716.1	5°	5749.3	5782.4	5830.1	5877.4	5939.2	6000.8	6068.7	6136.5	6213.3	6290.3
5493.2	7.5°	5532.7	5572.2	5628.5	5684.9	5760.2	5835.6	5921.2	6006.6	6107.9	6209.2
5425.8	10°	5470.4	5514.5	5582.1	5649.5	5734.3	5819.2	5911.4	6003.3	6104.6	6205.9
5525.4	12.5°	5582.4	5639.3	5725.5	5811.6	5899.2	5987.1	6059.0	6131.5	6198.3	6265.7
5731.3	15°	5817.9	5904.5	6027.1	6149.7	6225.9	6302.2	6320.9	6339.7	6330.6	6321.4
5929.4	17.5°	6057.0	6184.7	6347.0	6509.4	6570.7	6632.2	6573.7	6514.9	6404.5	6294.1
6049.7	20°	6205.9	6362.5	6547.9	6733.5	6762.1	6790.5	6667.7	6544.8	6352.8	6161.1
6054.0	22.5°	6215.3	6376.4	6553.7	6731.0	6714.0	6696.8	6537.0	6377.2	6157.8	5939.0
5931.4	25°	6074.2	6217.6	6362.7	6508.1	6449.6	6390.8	6233.5	6076.3	5879.2	5682.4
5691.3	27.5°	5802.5	5913.6	6017.0	6120.6	6055.0	5989.6	5863.5	5737.4	5575.8	5413.9
5395.4	30°	5475.5	5555.0	5634.0	5712.8	5659.6	5606.4	5501.6	5397.0	5262.7	5128.5
5098.6	32.5°	5162.2	5225.7	5298.4	5370.9	5311.6	5252.6	5152.0	5051.7	4944.3	4837.2
4836.4	35°	4894.9	4953.7	5005.1	5056.8	4985.9	4915.0	4815.4	4716.1	4634.6	4552.8
4613.5	37.5°	4667.7	4721.7	4745.5	4769.3	4681.7	4594.0	4494.8	4395.7	4337.2	4278.5
4409.1	40°	4455.0	4500.8	4495.3	4489.4	4388.4	4287.6	4191.8	4096.1	4053.8	4011.5
4202.0	42.5°	4240.5	4279.2	4250.1	4221.0	4112.0	4003.1	3912.2	3821.5	3786.8	3752.4
3998.1	45°	4032.8	4067.7	4025.9	3984.1	3871.2	3758.2	3672.1	3586.0	3556.6	3527.7
3836.7	47.5°	3861.0	3885.4	3837.2	3789.1	3677.7	3566.2	3482.1	3397.8	3370.7	3343.3
3740.5	50°	3741.5	3743.0	3681.2	3619.4	3519.6	3419.8	3340.5	3261.0	3218.2	3175.7
3675.6	52.5°	3662.5	3649.3	3576.1	3502.9	3409.7	3316.7	3244.0	3171.1	3107.3	3043.2
3614.9	55°	3596.6	3578.4	3500.6	3423.1	3341.8	3260.3	3181.7	3103.2	3012.5	2921.6
3550.5	57.5°	3532.0	3513.5	3435.5	3357.3	3276.5	3195.9	3103.7	3011.5	2913.8	2816.0
3461.1	60°	3440.8	3420.6	3342.1	3263.5	3181.5	3099.7	2993.8	2887.9	2802.3	2716.5
3318.5	62.5°	3299.0	3279.5	3207.6	3135.6	3048.3	2960.9	2837.3	2713.9	2659.5	2605.0
3126.0	65°	3106.3	3086.3	3022.9	2959.6	2876.0	2792.4	2660.0	2527.8	2507.0	2486.0
2906.4	67.5°	2887.2	2867.7	2813.0	2758.3	2679.2	2599.9	2477.6	2355.5	2362.1	2368.7
2671.6	70°	2652.9	2634.1	2584.8	2535.4	2467.0	2398.6	2291.2	2183.8	2206.6	2229.4
2413.3	72.5°	2391.0	2368.7	2320.3	2271.9	2210.1	2148.3	2064.0	1979.4	2012.6	2046.0
2105.3	75°	2082.0	2058.7	2014.6	1970.5	1914.6	1858.6	1795.8	1733.0	1765.1	1797.0
1806.4	77.5°	1784.6	1762.8	1716.8	1670.4	1622.3	1574.2	1523.2	1472.1	1504.5	1536.9
1469.0	80°	1440.2	1411.3	1376.3	1341.1	1300.6	1260.1	1217.8	1175.2	1202.6	1229.7
1096.7	82.5°	1047.6	998.4	923.5	848.5	862.7	876.9	880.4	884.0	903.2	922.5
696.5	85°	635.7	575.0	504.5	434.4	473.6	512.9	531.4	549.6	571.2	592.7
301.9	87.5°	277.3	252.8	223.1	193.8	223.9	253.8	254.5	255.3	259.4	263.4
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°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
6483.0	2.5°	6531.7	6591.7	6645.6	6701.4	6757.1	6815.3	6873.6	6931.3	6989.3	7043.8
6382.2	5°	6473.9	6579.0	6685.4	6798.1	6910.8	7031.4	7152.2	7272.0	7392.1	7512.4
6331.1	7.5°	6453.1	6589.2	6734.3	6891.6	7048.9	7227.4	7406.0	7589.4	7772.7	7971.1
6334.6	10°	6463.3	6609.4	6788.5	6974.9	7160.8	7377.9	7594.7	7836.8	8079.2	8330.2
6370.6	12.5°	6475.9	6611.9	6800.1	7010.6	7221.1	7476.9	7732.7	8007.3	8281.8	8557.4
6371.6	15°	6422.0	6530.9	6739.3	6983.0	7226.7	7521.2	7815.8	8113.7	8411.5	8699.0
6275.8	17.5°	6257.4	6324.5	6569.7	6862.7	7155.7	7497.7	7839.6	8164.6	8489.5	8781.1
6075.0	20°	5988.9	6006.6	6292.1	6655.3	7018.5	7432.8	7847.2	8204.3	8561.5	8864.6
5811.6	22.5°	5684.2	5649.5	5974.4	6411.9	6849.3	7353.3	7857.3	8258.0	8658.5	8968.2
5535.5	25°	5388.6	5294.9	5627.9	6140.1	6652.5	7274.8	7897.4	8355.3	8813.0	9116.2
5272.1	27.5°	5130.2	5016.3	5319.4	5891.6	6463.8	7222.4	7980.9	8507.3	9033.3	9322.8
5015.5	30°	4903.0	4813.6	5068.2	5683.9	6299.7	7197.8	8095.4	8704.1	9312.7	9592.1
4770.6	32.5°	4704.0	4664.2	4869.4	5504.8	6140.1	7167.4	8194.2	8909.5	9624.7	9901.3
4534.3	35°	4516.0	4532.5	4703.5	5328.8	5954.2	7110.2	8266.6	9143.5	10020.4	10285.6
4298.7	37.5°	4319.0	4379.3	4528.7	5121.6	5714.6	7012.1	8309.7	9405.7	10501.6	10839.5
4057.3	40°	4103.2	4195.6	4331.1	4874.4	5417.7	6877.1	8336.8	9738.5	11139.9	11632.3
3813.2	42.5°	3874.0	3990.5	4115.3	4601.6	5087.9	6737.8	8388.2	10173.9	11959.5	12670.2
3586.7	45°	3646.0	3758.7	3885.4	4311.9	4738.4	6608.4	8478.6	10746.8	13014.9	13973.6
3393.0	47.5°	3442.6	3539.6	3703.0	4082.7	4462.3	6501.5	8540.7	11357.2	14173.7	15523.2
3219.5	50°	3263.5	3376.3	3591.0	3930.4	4269.8	6385.0	8500.2	11923.5	15346.9	17381.3
3086.5	52.5°	3130.1	3287.6	3534.6	3830.1	4126.0	6188.2	8250.7	12291.3	16331.7	19333.1
2990.3	55°	3059.2	3296.5	3526.2	3757.5	3988.7	5862.0	7735.3	12210.3	16685.0	21063.5
2916.3	57.5°	3016.6	3305.3	3508.0	3671.3	3834.7	5402.0	6969.1	11639.9	16310.9	22289.9
2846.6	60°	2976.6	3277.5	3411.2	3539.6	3668.0	4804.8	5941.5	10578.4	15215.2	22596.4
2767.4	62.5°	2930.0	3209.1	3225.6	3310.7	3396.0	4090.0	4784.0	9143.0	13502.0	21305.9
2659.0	65°	2831.7	3044.5	3042.4	3082.7	3123.0	3446.9	3770.9	7678.5	11586.4	19480.0
2512.6	67.5°	2656.4	2776.0	2781.6	2759.3	2736.7	2828.9	2920.9	6243.9	9567.0	17307.1
2331.7	70°	2434.0	2473.3	2473.3	2369.2	2264.9	2238.8	2212.4	4916.2	7620.0	14936.1
2116.2	72.5°	2186.3	2185.8	2161.0	2013.3	1865.4	1785.9	1706.6	3758.5	5810.3	12365.8
1851.2	75°	1905.2	1914.8	1800.3	1634.7	1469.0	1397.1	1325.2	2727.9	4130.5	9419.3
1580.2	77.5°	1623.5	1628.6	1439.9	1279.1	1118.2	1069.1	1020.2	1848.5	2676.7	6592.7
1266.2	80°	1302.4	1303.1	1077.7	941.7	805.4	785.2	764.9	1190.9	1617.2	4247.6
940.2	82.5°	957.9	947.3	754.8	654.5	554.2	550.1	546.6	732.5	918.9	2458.4
611.7	85°	630.7	616.7	473.6	400.2	326.7	328.8	330.5	391.6	452.9	1105.8
271.0	87.5°	278.6	260.9	201.4	171.2	141.3	143.1	144.9	162.4	179.8	362.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
7098.3	2.5°	7125.1	7152.2	7190.4	7228.7	7251.5	7274.3	7285.7	7297.1	7292.0	7297.1
7632.7	5°	7726.6	7820.9	7914.1	8007.5	8058.2	8108.9	8139.5	8170.4	8193.7	8170.4
8169.6	7.5°	8322.6	8475.4	8612.9	8750.4	8833.2	8916.1	8960.9	9005.5	9027.0	9005.5
8581.2	10°	8762.1	8942.9	9104.3	9265.6	9363.4	9460.6	9504.2	9547.5	9564.0	9547.5
8833.2	12.5°	9029.3	9225.1	9371.0	9516.3	9587.3	9658.2	9682.0	9705.8	9708.3	9705.8
8986.5	15°	9155.7	9324.6	9416.0	9507.7	9510.3	9512.8	9487.5	9462.1	9432.3	9462.1
9072.6	17.5°	9186.8	9301.1	9302.8	9304.3	9201.8	9099.2	9005.2	8911.0	8844.6	8911.0
9167.6	20°	9207.3	9247.4	9127.0	9006.7	8780.3	8553.9	8389.0	8224.1	8122.8	8224.1
9277.8	22.5°	9225.6	9173.4	8924.2	8674.9	8341.9	8008.8	7802.6	7596.5	7484.5	7596.5
9419.6	25°	9255.0	9090.3	8711.9	8333.5	7929.0	7524.5	7307.7	7091.4	6985.5	7091.4
9612.1	27.5°	9317.8	9023.2	8522.0	8021.0	7572.7	7124.3	6911.1	6698.1	6598.0	6698.1
9871.7	30°	9432.8	8994.1	8377.1	7760.1	7293.0	6826.0	6628.2	6430.3	6337.1	6430.3
10178.2	32.5°	9577.1	8976.3	8278.3	7580.2	7141.3	6702.4	6547.1	6391.6	6324.5	6391.6
10550.5	35°	9815.0	9079.7	8352.3	7625.1	7320.1	7015.4	6979.2	6943.0	6937.4	6943.0
11177.4	37.5°	10312.2	9446.9	8785.9	8124.8	8105.1	8085.3	8250.9	8416.6	8502.7	8416.6
12124.6	40°	11183.7	10242.8	9751.1	9259.5	9606.5	9953.5	10356.2	10758.9	10959.5	10758.9
13380.9	42.5°	12447.3	11513.7	11230.6	10947.4	11704.2	12461.0	13193.5	13926.0	14356.1	13926.0
14932.3	45°	14093.7	13254.8	13129.9	13004.8	14217.3	15430.0	16633.6	17837.4	18568.2	17837.4
16872.4	47.5°	16056.6	15240.5	15215.2	15189.9	16939.1	18687.7	20449.8	22211.6	23246.3	22211.6
19415.4	50°	18407.6	17400.0	17404.3	17408.6	19662.9	21917.1	24243.0	26568.9	27975.1	26568.9
22334.5	52.5°	21114.2	19894.1	19770.8	19647.2	22339.8	25032.4	27910.2	30787.8	32473.4	30787.8
25442.3	55°	24236.6	23031.0	22550.0	22069.0	25065.9	28062.5	31493.2	34923.9	36928.6	34923.9
28268.9	57.5°	27612.4	26955.6	25990.9	25026.4	28052.3	31078.3	34964.2	38849.8	41335.8	38849.8
29977.3	60°	30997.0	32017.0	30818.9	29620.9	32484.5	35348.2	39508.6	43669.0	46355.8	43669.0
29109.8	62.5°	31896.2	34682.5	34547.5	34412.3	37035.5	39659.0	43617.3	47575.4	50058.8	47575.4
27373.5	65°	29988.7	32603.8	33121.3	33638.5	36972.2	40306.2	44144.4	47982.4	50096.8	47982.4
25047.1	67.5°	27534.4	30021.6	30264.3	30506.7	33980.2	37453.4	41308.2	45162.9	46819.3	45162.9
22252.2	70°	24957.5	27663.0	27771.5	27880.1	30986.4	34092.4	37409.6	40726.6	41647.3	40726.6
18921.5	72.5°	22026.0	25130.7	25208.7	25286.5	27716.7	30147.0	32631.4	35115.6	35208.8	35115.6
14708.1	75°	17921.3	21134.4	21422.9	21711.4	23602.2	25492.9	27241.8	28990.8	28522.2	28990.8
10508.7	77.5°	13508.1	16507.7	16920.6	17333.4	18770.8	20208.2	21448.5	22689.1	21883.6	22689.1
6877.9	80°	9401.4	11924.6	12437.7	12950.9	14036.4	15121.5	15772.9	16424.1	15128.6	16424.1
3998.1	82.5°	5723.2	7448.5	8021.7	8595.2	9342.3	10089.5	10361.3	10632.8	9614.6	10632.8
1759.0	85°	2674.7	3590.3	4077.9	4565.4	5179.4	5793.1	5947.3	6101.6	5286.0	6101.6
544.6	87.5°	852.3	1160.0	1432.1	1704.1	2011.1	2318.0	2331.2	2344.1	1968.0	2344.1
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°
6600.6	0°	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6	6600.6
7285.7	2.5°	7274.3	7251.5	7228.7	7190.4	7152.2	7125.1	7098.3
8139.5	5°	8108.9	8058.2	8007.5	7914.1	7820.9	7726.6	7632.7
8960.9	7.5°	8916.1	8833.2	8750.4	8612.9	8475.4	8322.6	8169.6
9504.2	10°	9460.6	9363.4	9265.6	9104.3	8942.9	8762.1	8581.2
9682.0	12.5°	9658.2	9587.3	9516.3	9371.0	9225.1	9029.3	8833.2
9487.5	15°	9512.8	9510.3	9507.7	9416.0	9324.6	9155.7	8986.5
9005.2	17.5°	9099.2	9201.8	9304.3	9302.8	9301.1	9186.8	9072.6
8389.0	20°	8553.9	8780.3	9006.7	9127.0	9247.4	9207.3	9167.6
7802.6	22.5°	8008.8	8341.9	8674.9	8924.2	9173.4	9225.6	9277.8
7307.7	25°	7524.5	7929.0	8333.5	8711.9	9090.3	9255.0	9419.6
6911.1	27.5°	7124.3	7572.7	8021.0	8522.0	9023.2	9317.8	9612.1
6628.2	30°	6826.0	7293.0	7760.1	8377.1	8994.1	9432.8	9871.7
6547.1	32.5°	6702.4	7141.3	7580.2	8278.3	8976.3	9577.1	10178.2
6979.2	35°	7015.4	7320.1	7625.1	8352.3	9079.7	9815.0	10550.5
8250.9	37.5°	8085.3	8105.1	8124.8	8785.9	9446.9	10312.2	11177.4
10356.2	40°	9953.5	9606.5	9259.5	9751.1	10242.8	11183.7	12124.6
13193.5	42.5°	12461.0	11704.2	10947.4	11230.6	11513.7	12447.3	13380.9
16633.6	45°	15430.0	14217.3	13004.8	13129.9	13254.8	14093.7	14932.3
20449.8	47.5°	18687.7	16939.1	15189.9	15215.2	15240.5	16056.6	16872.4
24243.0	50°	21917.1	19662.9	17408.6	17404.3	17400.0	18407.6	19415.4
27910.2	52.5°	25032.4	22339.8	19647.2	19770.8	19894.1	21114.2	22334.5
31493.2	55°	28062.5	25065.9	22069.0	22550.0	23031.0	24236.6	25442.3
34964.2	57.5°	31078.3	28052.3	25026.4	25990.9	26955.6	27612.4	28268.9
39508.6	60°	35348.2	32484.5	29620.9	30818.9	32017.0	30997.0	29977.3
43617.3	62.5°	39659.0	37035.5	34412.3	34547.5	34682.5	31896.2	29109.8
44144.4	65°	40306.2	36972.2	33638.5	33121.3	32603.8	29988.7	27373.5
41308.2	67.5°	37453.4	33980.2	30506.7	30264.3	30021.6	27534.4	25047.1
37409.6	70°	34092.4	30986.4	27880.1	27771.5	27663.0	24957.5	22252.2
32631.4	72.5°	30147.0	27716.7	25286.5	25208.7	25130.7	22026.0	18921.5
27241.8	75°	25492.9	23602.2	21711.4	21422.9	21134.4	17921.3	14708.1
21448.5	77.5°	20208.2	18770.8	17333.4	16920.6	16507.7	13508.1	10508.7
15772.9	80°	15121.5	14036.4	12950.9	12437.7	11924.6	9401.4	6877.9
10361.3	82.5°	10089.5	9342.3	8595.2	8021.7	7448.5	5723.2	3998.1
5947.3	85°	5793.1	5179.4	4565.4	4077.9	3590.3	2674.7	1759.0
2331.2	87.5°	2318.0	2011.1	1704.1	1432.1	1160.0	852.3	544.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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