

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: P953221

Luminaire Tested: **GALN-SB6D-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953221
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-SB6D-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55249 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

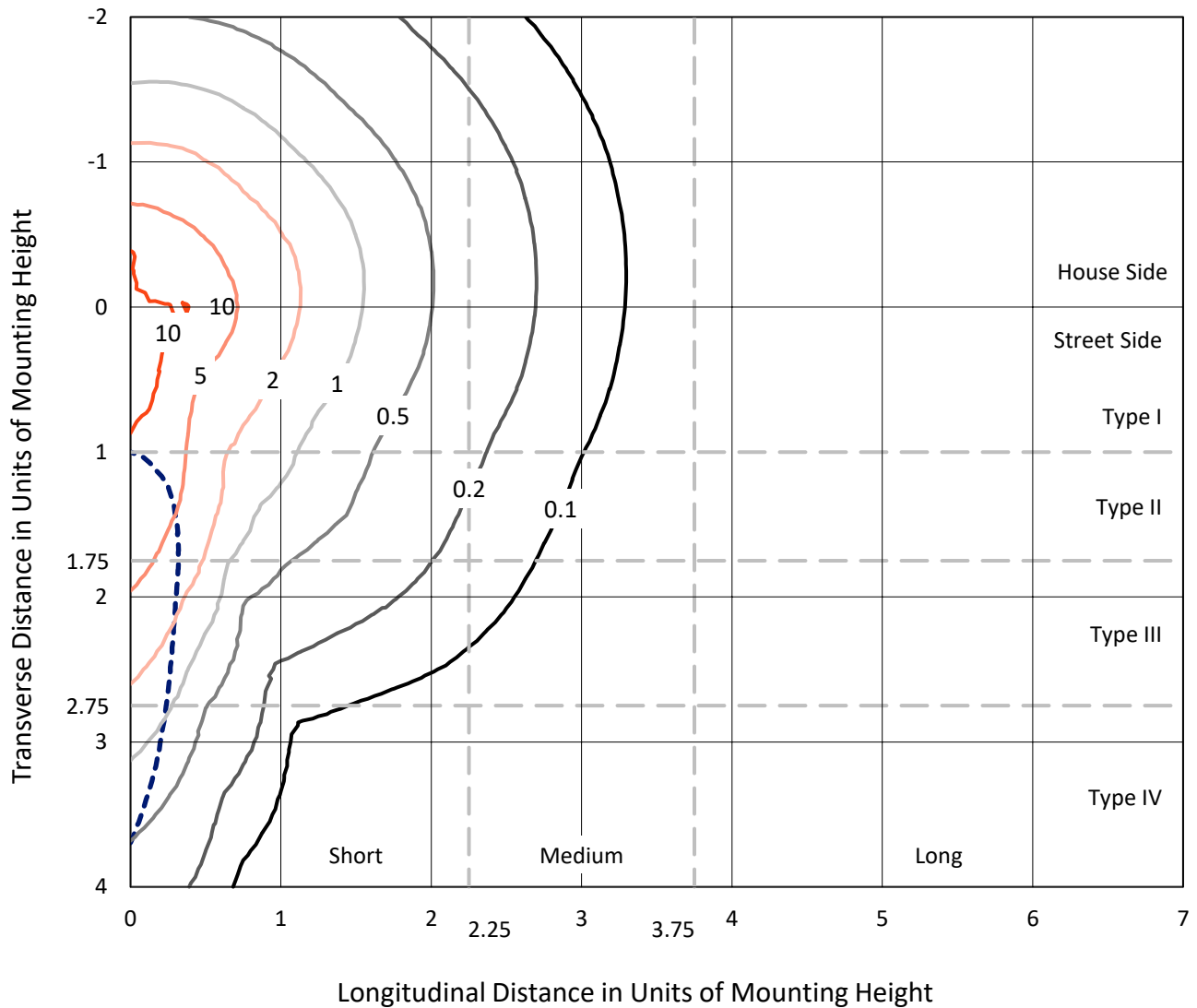
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

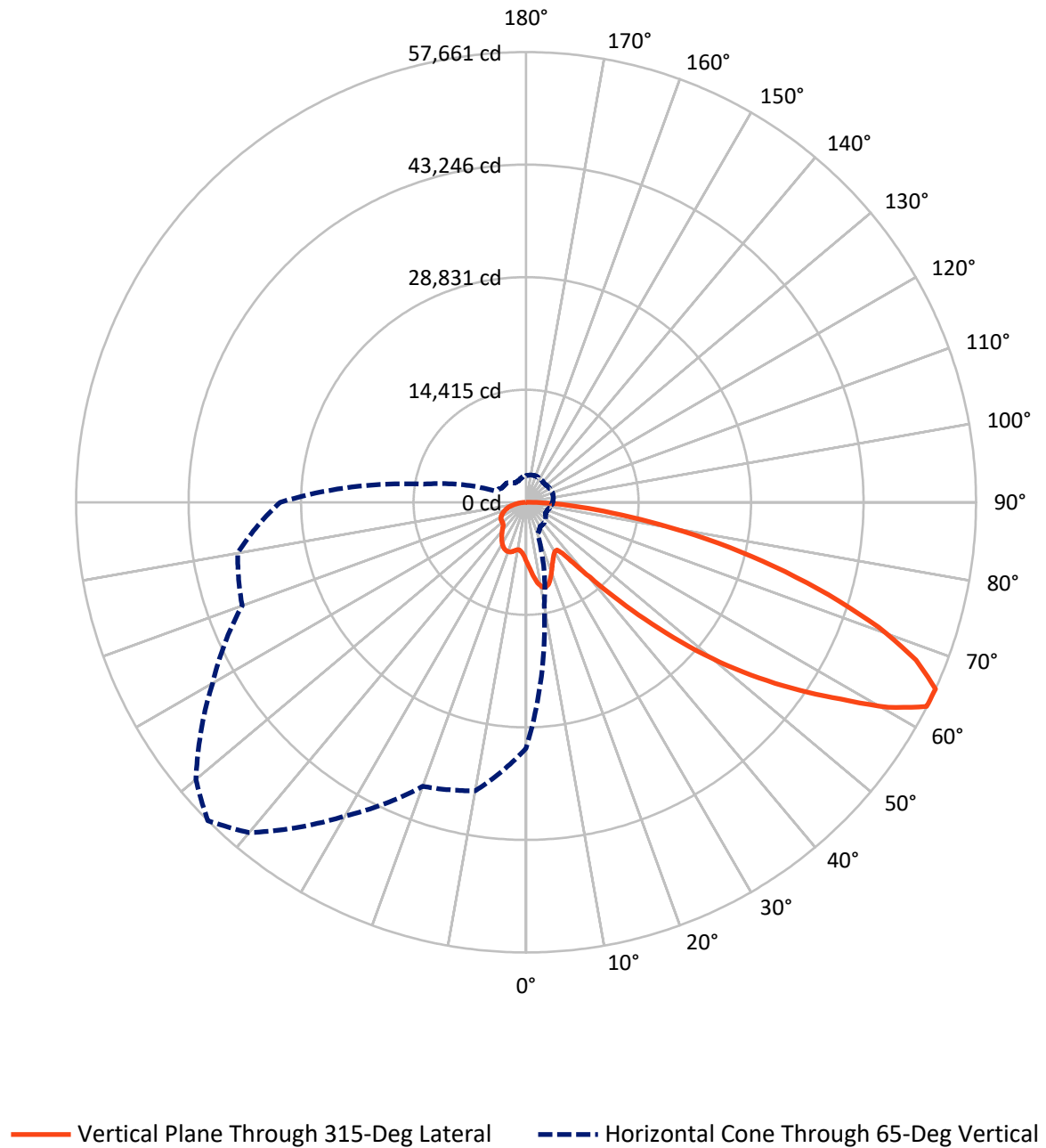
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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	14041.5	0.0	14041.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41207.5	0.0	41207.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	55249.0	0.0	55249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.6	1.4
10°-20°	2365.8	4.3
20°-30°	3654.4	6.6
30°-40°	4631.0	8.4
40°-50°	6984.7	12.6
50°-60°	11284.9	20.4
60°-70°	14068.4	25.5
70°-80°	9225.4	16.7
80°-90°	2280.7	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	55249.0	100.0
0°-180°	55249.0	100.0

Coefficient of Utilization



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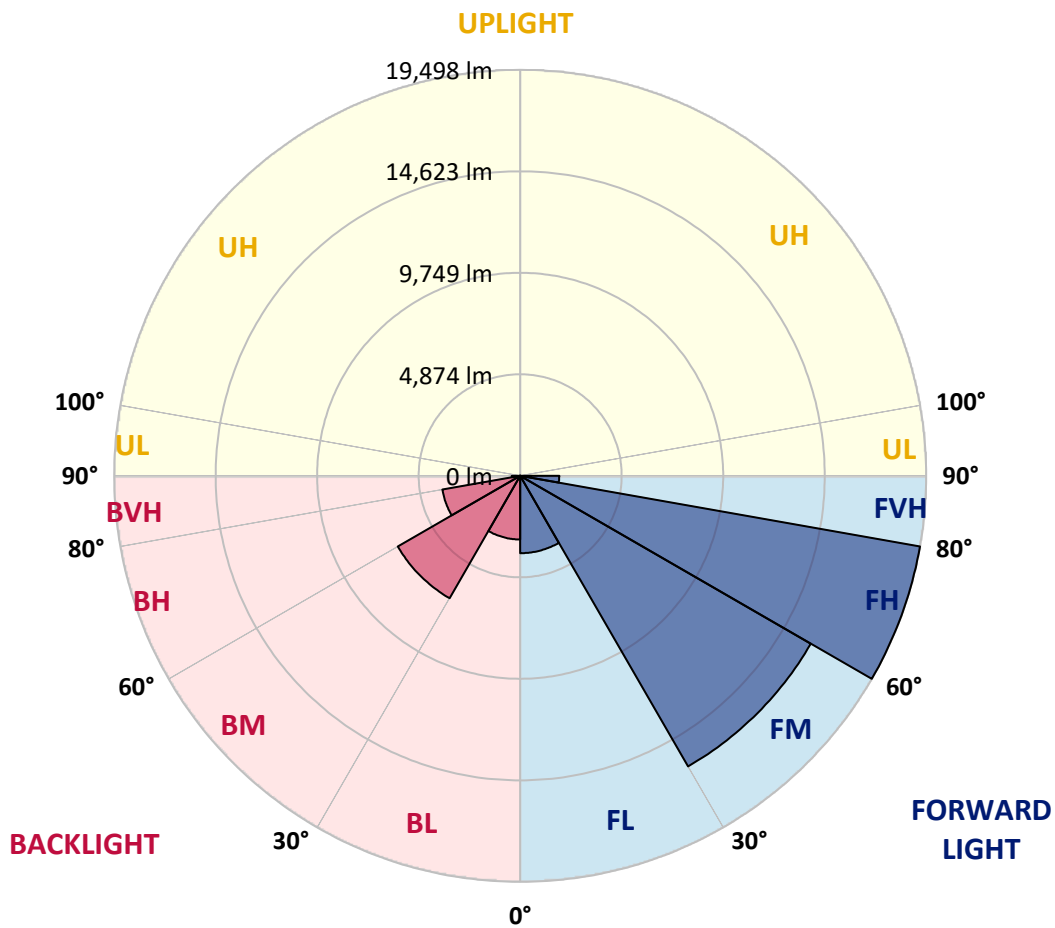
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3716.1	6.7			
FM (30°-60°)	16114.9	29.2			
FH (60°-80°)	19497.6	35.3			G5
FVH (80°-90°)	1878.8	3.4			G5
BL (0°-30°)	3057.7	5.5	B4/5000		
BM (30°-60°)	6785.7	12.3	B4/8500		
BH (60°-80°)	3796.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	401.9	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°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
2.5°	8170.1	8107.4	8044.7	7977.9	7911.5	7844.4	7777.4	7713.2	7649.1	7587.0
5°	8785.2	8646.7	8508.2	8370.1	8232.2	8093.1	7954.3	7824.6	7694.9	7572.4
7.5°	9403.2	9174.7	8946.4	8735.3	8524.3	8318.7	8113.2	7932.2	7751.1	7584.1
10°	9877.0	9588.1	9299.2	9020.2	8741.5	8491.9	8242.1	8028.1	7813.5	7607.4
12.5°	10167.0	9849.6	9532.4	9216.4	8900.3	8605.9	8311.5	8069.2	7826.9	7610.3
15°	10343.4	10012.5	9681.6	9338.8	8996.0	8656.9	8317.9	8037.4	7757.0	7517.0
17.5°	10442.5	10107.0	9771.4	9397.4	9023.4	8629.8	8236.2	7898.9	7561.6	7279.4
20°	10551.8	10203.2	9854.2	9443.2	9032.1	8555.2	8078.2	7660.2	7242.1	6913.6
22.5°	10678.7	10322.4	9965.9	9505.0	9043.8	8463.6	7883.5	7380.0	6876.6	6502.5
25°	10841.9	10492.7	10143.7	9616.9	9089.8	8373.3	7657.0	7067.2	6477.7	6094.4
27.5°	11063.5	10730.6	10397.3	9791.8	9186.0	8312.9	7439.8	6781.2	6122.7	5773.7
30°	11362.3	11040.4	10718.9	10018.4	9317.8	8284.6	7250.9	6542.2	5833.5	5540.5
32.5°	11715.0	11396.4	11078.1	10254.8	9431.5	8249.7	7067.2	6336.1	5604.6	5368.5
35°	12143.6	11838.7	11533.4	10524.2	9514.9	8183.8	6853.2	6133.5	5413.7	5216.9
37.5°	12865.1	12476.2	12087.3	10825.9	9564.4	8070.9	6577.4	5895.0	5212.5	5040.5
40°	13955.4	13388.7	12822.0	11209.0	9595.6	7915.6	6235.8	5610.5	4985.1	4829.2
42.5°	15401.4	14583.4	13765.4	11710.1	9654.8	7755.2	5856.2	5296.5	4736.7	4593.0
45°	17187.0	16083.6	14980.2	12369.5	9758.9	7606.3	5453.9	4963.0	4472.0	4326.3
47.5°	19420.1	17867.2	16313.9	13072.1	9830.3	7483.2	5136.1	4699.1	4262.1	4074.1
50°	22347.1	20005.8	17664.2	13724.0	9783.7	7349.1	4914.6	4523.9	4133.3	3886.1
52.5°	25706.9	22252.3	18797.7	14147.3	9496.5	7122.6	4749.0	4408.5	4068.3	3784.0
55°	29284.0	24244.0	19204.4	14054.0	8903.3	6747.1	4591.0	4324.8	4058.6	3794.2
57.5°	32537.4	25655.6	18773.8	13397.4	8021.4	6217.7	4413.7	4225.7	4037.7	3804.4
60°	34503.8	26008.4	17512.7	12175.7	6838.7	5530.3	4221.9	4074.1	3926.3	3772.4
62.5°	33505.3	24523.0	15540.8	10523.6	5506.4	4707.6	3908.8	3810.6	3712.6	3693.7
65°	31506.9	22421.4	13335.9	8838.0	4340.3	3967.4	3594.5	3548.2	3501.8	3504.2
67.5°	28829.2	19920.4	11011.6	7186.7	3361.9	3256.1	3150.0	3175.9	3201.6	3195.1
70°	25612.2	17191.4	8770.6	5658.6	2546.5	2576.8	2606.8	2727.0	2846.8	2846.8
72.5°	21778.6	14233.0	6687.6	4326.0	1964.3	2055.6	2147.1	2317.4	2487.3	2515.9
75°	16929.0	10841.6	4754.2	3139.8	1525.3	1608.1	1690.9	1881.5	2072.2	2203.9
77.5°	12095.5	7588.2	3080.9	2127.6	1174.3	1230.5	1287.1	1472.2	1657.3	1874.5
80°	7916.4	4888.9	1861.4	1370.8	880.4	903.7	927.1	1083.9	1240.5	1499.9
82.5°	4601.8	2829.6	1057.7	843.1	629.1	633.2	637.9	753.3	868.8	1090.3
85°	2024.7	1272.8	521.3	450.7	380.4	378.4	376.1	460.6	545.2	709.9
87.5°	626.8	416.9	207.0	186.9	166.8	164.7	162.7	197.1	231.8	300.3
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°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
7517.9	2.5°	7461.9	7406.3	7355.8	7305.7	7261.7	7217.6	7173.3	7129.3	7095.2	7060.8
7451.4	5°	7345.9	7240.1	7151.5	7063.1	6985.0	6906.9	6836.0	6764.9	6710.4	6655.6
7427.5	7.5°	7287.0	7146.8	7030.2	6913.6	6815.3	6716.8	6629.9	6543.3	6478.3	6413.6
7439.2	10°	7291.1	7143.0	7026.4	6909.8	6804.0	6697.9	6600.2	6502.5	6425.0	6347.1
7453.8	12.5°	7332.5	7211.8	7134.3	7057.3	6973.9	6891.1	6790.0	6689.1	6590.0	6490.9
7391.7	15°	7333.7	7275.9	7286.4	7296.9	7275.4	7253.8	7166.0	7078.3	6937.2	6796.1
7202.2	17.5°	7223.5	7244.5	7371.6	7498.7	7566.3	7633.7	7562.8	7492.3	7305.4	7118.5
6893.2	20°	6992.3	7091.4	7312.1	7533.1	7674.5	7815.9	7783.2	7750.3	7536.6	7323.2
6542.5	22.5°	6689.1	6835.7	7087.6	7340.1	7524.0	7708.0	7727.8	7747.4	7543.3	7339.2
6202.3	25°	6371.3	6540.4	6766.9	6993.8	7174.8	7355.8	7423.5	7490.8	7323.5	7156.4
5904.9	27.5°	6068.2	6231.4	6417.7	6603.7	6748.9	6894.0	6969.3	7044.8	6925.5	6806.6
5643.4	30°	5772.8	5902.9	6057.4	6211.9	6332.3	6453.0	6514.2	6575.4	6484.7	6393.8
5414.3	32.5°	5490.9	5567.6	5690.9	5814.5	5930.0	6045.7	6113.6	6181.8	6098.5	6014.8
5197.9	35°	5218.9	5240.2	5334.4	5428.2	5542.5	5657.1	5738.7	5820.4	5760.9	5701.7
4971.1	37.5°	4947.8	4924.5	4992.1	5059.5	5173.5	5287.7	5388.6	5489.5	5462.1	5434.7
4722.7	40°	4670.0	4617.2	4665.9	4714.6	4824.8	4935.0	5051.0	5167.3	5174.0	5180.4
4458.9	42.5°	4389.0	4319.0	4358.6	4398.6	4502.9	4607.6	4733.0	4858.3	4891.8	4925.4
4196.5	45°	4128.3	4060.4	4093.6	4127.4	4226.6	4325.7	4455.7	4585.7	4633.8	4681.9
3962.4	47.5°	3905.3	3848.2	3879.7	3910.8	4007.9	4104.7	4233.0	4361.3	4416.6	4472.0
3756.3	50°	3705.6	3655.2	3704.2	3753.4	3845.0	3936.2	4051.1	4165.9	4237.1	4308.2
3602.7	52.5°	3552.6	3502.7	3576.5	3649.9	3733.9	3817.6	3924.5	4031.8	4116.1	4200.3
3521.1	55°	3441.8	3362.8	3467.4	3571.8	3662.2	3752.5	3846.4	3940.0	4029.2	4118.7
3472.1	57.5°	3356.7	3241.2	3353.7	3466.3	3572.4	3678.5	3771.2	3864.2	3954.3	4044.1
3426.0	60°	3276.5	3126.6	3225.5	3324.0	3445.9	3567.7	3661.9	3756.3	3846.7	3937.1
3372.4	62.5°	3185.2	2998.4	3061.0	3123.7	3265.7	3408.0	3508.5	3609.1	3691.9	3774.7
3259.3	65°	3060.5	2861.3	2885.5	2909.4	3061.6	3214.1	3310.3	3406.5	3479.4	3552.3
3057.5	67.5°	2892.0	2726.4	2718.8	2711.2	2851.7	2992.5	3083.8	3174.7	3237.7	3300.7
2801.6	70°	2683.8	2566.0	2539.8	2513.6	2637.2	2760.8	2839.5	2918.2	2975.0	3031.9
2516.5	72.5°	2435.7	2355.0	2316.5	2278.3	2375.7	2472.7	2543.9	2615.0	2670.7	2726.4
2192.9	75°	2130.8	2068.4	2031.7	1994.6	2066.9	2139.2	2203.7	2268.1	2318.8	2369.5
1868.7	77.5°	1818.8	1769.0	1731.7	1694.4	1753.2	1811.8	1867.2	1922.6	1976.0	2029.0
1499.0	80°	1457.3	1415.4	1384.2	1352.7	1401.7	1450.4	1497.0	1543.6	1584.2	1624.4
1102.6	82.5°	1082.2	1061.7	1039.6	1017.4	1013.4	1009.3	992.9	976.6	1062.9	1149.2
725.9	85°	704.0	682.2	657.4	632.6	611.6	590.3	545.2	500.0	580.7	661.8
320.7	87.5°	311.9	303.2	298.5	293.9	293.0	292.1	257.7	223.0	256.8	290.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
7033.1	2.5°	7005.4	6983.8	6962.3	6942.4	6922.3	6897.5	6922.3	6942.4	6962.3	6983.8
6617.4	5°	6579.2	6552.1	6525.0	6504.3	6483.6	6463.2	6483.6	6504.3	6525.0	6552.1
6368.1	7.5°	6322.7	6291.5	6260.6	6241.9	6223.5	6209.5	6223.5	6241.9	6260.6	6291.5
6296.4	10°	6245.1	6215.7	6186.2	6170.5	6154.7	6148.3	6154.7	6170.5	6186.2	6215.7
6425.3	12.5°	6359.7	6326.7	6294.1	6280.7	6267.3	6264.9	6267.3	6280.7	6294.1	6326.7
6696.4	15°	6596.7	6550.9	6505.4	6488.0	6470.5	6469.0	6470.5	6488.0	6505.4	6550.9
6971.6	17.5°	6824.7	6757.0	6689.1	6666.9	6644.5	6641.0	6644.5	6666.9	6689.1	6757.0
7143.0	20°	6963.1	6876.6	6789.7	6762.0	6734.3	6725.5	6734.3	6762.0	6789.7	6876.6
7153.8	22.5°	6968.1	6876.8	6785.3	6754.7	6724.1	6711.0	6724.1	6754.7	6785.3	6876.8
6991.4	25°	6827.0	6747.7	6668.7	6639.8	6611.3	6594.4	6611.3	6639.8	6668.7	6747.7
6678.6	27.5°	6550.6	6497.6	6444.2	6431.1	6418.0	6413.6	6418.0	6431.1	6444.2	6497.6
6302.2	30°	6210.1	6183.0	6155.6	6155.6	6155.6	6160.0	6155.6	6155.6	6155.6	6183.0
5941.6	32.5°	5868.5	5850.7	5832.9	5835.2	5837.8	5842.2	5837.8	5835.2	5832.9	5850.7
5634.1	35°	5566.7	5539.6	5512.8	5507.0	5501.1	5498.2	5501.1	5507.0	5512.8	5539.6
5372.6	37.5°	5310.2	5260.9	5211.9	5186.0	5160.0	5145.5	5160.0	5186.0	5211.9	5260.9
5127.7	40°	5074.9	5003.2	4932.1	4883.7	4835.9	4807.3	4835.9	4883.7	4932.1	5003.2
4880.8	42.5°	4836.4	4747.5	4658.6	4588.4	4518.1	4472.0	4518.1	4588.4	4658.6	4747.5
4641.7	45°	4601.8	4500.0	4398.6	4316.1	4233.6	4180.5	4233.6	4316.1	4398.6	4500.0
4444.0	47.5°	4416.1	4325.7	4235.3	4158.9	4082.8	4031.8	4082.8	4158.9	4235.3	4325.7
4306.4	50°	4305.3	4233.0	4160.7	4090.1	4019.6	3970.6	4019.6	4090.1	4160.7	4233.0
4215.5	52.5°	4230.7	4171.8	4112.9	4049.6	3986.6	3941.5	3986.6	4049.6	4112.9	4171.8
4139.7	55°	4160.7	4109.4	4058.1	4002.7	3947.3	3906.5	3947.3	4002.7	4058.1	4109.4
4065.4	57.5°	4086.6	4034.7	3982.9	3928.0	3872.9	3830.7	3872.9	3928.0	3982.9	4034.7
3960.4	60°	3983.7	3933.0	3882.6	3826.0	3769.5	3725.7	3769.5	3826.0	3882.6	3933.0
3797.1	62.5°	3819.6	3773.8	3728.1	3668.6	3609.1	3556.6	3609.1	3668.6	3728.1	3773.8
3575.3	65°	3598.0	3554.0	3510.0	3452.3	3394.8	3349.7	3394.8	3452.3	3510.0	3554.0
3323.1	67.5°	3345.3	3304.8	3264.5	3210.9	3157.2	3116.4	3157.2	3210.9	3264.5	3304.8
3053.5	70°	3075.0	3042.1	3009.1	2957.8	2906.5	2859.9	2906.5	2957.8	3009.1	3042.1
2752.0	72.5°	2777.7	2750.3	2722.9	2673.9	2625.2	2580.0	2625.2	2673.9	2722.9	2750.3
2396.4	75°	2423.2	2409.8	2396.4	2355.3	2314.1	2271.0	2314.1	2355.3	2396.4	2409.8
2054.1	77.5°	2079.2	2060.5	2041.3	1999.9	1958.5	1924.1	1958.5	1999.9	2041.3	2060.5
1657.6	80°	1690.9	1682.7	1674.8	1619.1	1563.2	1498.5	1563.2	1619.1	1674.8	1682.7
1205.8	82.5°	1262.3	1258.8	1255.0	1208.1	1160.9	1119.5	1160.9	1208.1	1255.0	1258.8
731.7	85°	801.7	795.9	790.0	753.3	716.6	679.3	716.6	753.3	790.0	795.9
319.2	87.5°	347.5	340.5	332.9	314.3	295.0	277.0	295.0	314.3	332.9	340.5
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°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
7005.4	2.5°	7033.1	7060.8	7095.2	7129.3	7173.3	7217.6	7261.7	7305.7	7355.8	7406.3
6579.2	5°	6617.4	6655.6	6710.4	6764.9	6836.0	6906.9	6985.0	7063.1	7151.5	7240.1
6322.7	7.5°	6368.1	6413.6	6478.3	6543.3	6629.9	6716.8	6815.3	6913.6	7030.2	7146.8
6245.1	10°	6296.4	6347.1	6425.0	6502.5	6600.2	6697.9	6804.0	6909.8	7026.4	7143.0
6359.7	12.5°	6425.3	6490.9	6590.0	6689.1	6790.0	6891.1	6973.9	7057.3	7134.3	7211.8
6596.7	15°	6696.4	6796.1	6937.2	7078.3	7166.0	7253.8	7275.4	7296.9	7286.4	7275.9
6824.7	17.5°	6971.6	7118.5	7305.4	7492.3	7562.8	7633.7	7566.3	7498.7	7371.6	7244.5
6963.1	20°	7143.0	7323.2	7536.6	7750.3	7783.2	7815.9	7674.5	7533.1	7312.1	7091.4
6968.1	22.5°	7153.8	7339.2	7543.3	7747.4	7727.8	7708.0	7524.0	7340.1	7087.6	6835.7
6827.0	25°	6991.4	7156.4	7323.5	7490.8	7423.5	7355.8	7174.8	6993.8	6766.9	6540.4
6550.6	27.5°	6678.6	6806.6	6925.5	7044.8	6969.3	6894.0	6748.9	6603.7	6417.7	6231.4
6210.1	30°	6302.2	6393.8	6484.7	6575.4	6514.2	6453.0	6332.3	6211.9	6057.4	5902.9
5868.5	32.5°	5941.6	6014.8	6098.5	6181.8	6113.6	6045.7	5930.0	5814.5	5690.9	5567.6
5566.7	35°	5634.1	5701.7	5760.9	5820.4	5738.7	5657.1	5542.5	5428.2	5334.4	5240.2
5310.2	37.5°	5372.6	5434.7	5462.1	5489.5	5388.6	5287.7	5173.5	5059.5	4992.1	4924.5
5074.9	40°	5127.7	5180.4	5174.0	5167.3	5051.0	4935.0	4824.8	4714.6	4665.9	4617.2
4836.4	42.5°	4880.8	4925.4	4891.8	4858.3	4733.0	4607.6	4502.9	4398.6	4358.6	4319.0
4601.8	45°	4641.7	4681.9	4633.8	4585.7	4455.7	4325.7	4226.6	4127.4	4093.6	4060.4
4416.1	47.5°	4444.0	4472.0	4416.6	4361.3	4233.0	4104.7	4007.9	3910.8	3879.7	3848.2
4305.3	50°	4306.4	4308.2	4237.1	4165.9	4051.1	3936.2	3845.0	3753.4	3704.2	3655.2
4230.7	52.5°	4215.5	4200.3	4116.1	4031.8	3924.5	3817.6	3733.9	3649.9	3576.5	3502.7
4160.7	55°	4139.7	4118.7	4029.2	3940.0	3846.4	3752.5	3662.2	3571.8	3467.4	3362.8
4086.6	57.5°	4065.4	4044.1	3954.3	3864.2	3771.2	3678.5	3572.4	3466.3	3353.7	3241.2
3983.7	60°	3960.4	3937.1	3846.7	3756.3	3661.9	3567.7	3445.9	3324.0	3225.5	3126.6
3819.6	62.5°	3797.1	3774.7	3691.9	3609.1	3508.5	3408.0	3265.7	3123.7	3061.0	2998.4
3598.0	65°	3575.3	3552.3	3479.4	3406.5	3310.3	3214.1	3061.6	2909.4	2885.5	2861.3
3345.3	67.5°	3323.1	3300.7	3237.7	3174.7	3083.8	2992.5	2851.7	2711.2	2718.8	2726.4
3075.0	70°	3053.5	3031.9	2975.0	2918.2	2839.5	2760.8	2637.2	2513.6	2539.8	2566.0
2777.7	72.5°	2752.0	2726.4	2670.7	2615.0	2543.9	2472.7	2375.7	2278.3	2316.5	2355.0
2423.2	75°	2396.4	2369.5	2318.8	2268.1	2203.7	2139.2	2066.9	1994.6	2031.7	2068.4
2079.2	77.5°	2054.1	2029.0	1976.0	1922.6	1867.2	1811.8	1753.2	1694.4	1731.7	1769.0
1690.9	80°	1657.6	1624.4	1584.2	1543.6	1497.0	1450.4	1401.7	1352.7	1384.2	1415.4
1262.3	82.5°	1205.8	1149.2	1062.9	976.6	992.9	1009.3	1013.4	1017.4	1039.6	1061.7
801.7	85°	731.7	661.8	580.7	500.0	545.2	590.3	611.6	632.6	657.4	682.2
347.5	87.5°	319.2	290.9	256.8	223.0	257.7	292.1	293.0	293.9	298.5	303.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
7461.9	2.5°	7517.9	7587.0	7649.1	7713.2	7777.4	7844.4	7911.5	7977.9	8044.7	8107.4
7345.9	5°	7451.4	7572.4	7694.9	7824.6	7954.3	8093.1	8232.2	8370.1	8508.2	8646.7
7287.0	7.5°	7427.5	7584.1	7751.1	7932.2	8113.2	8318.7	8524.3	8735.3	8946.4	9174.7
7291.1	10°	7439.2	7607.4	7813.5	8028.1	8242.1	8491.9	8741.5	9020.2	9299.2	9588.1
7332.5	12.5°	7453.8	7610.3	7826.9	8069.2	8311.5	8605.9	8900.3	9216.4	9532.4	9849.6
7333.7	15°	7391.7	7517.0	7757.0	8037.4	8317.9	8656.9	8996.0	9338.8	9681.6	10012.5
7223.5	17.5°	7202.2	7279.4	7561.6	7898.9	8236.2	8629.8	9023.4	9397.4	9771.4	10107.0
6992.3	20°	6893.2	6913.6	7242.1	7660.2	8078.2	8555.2	9032.1	9443.2	9854.2	10203.2
6689.1	22.5°	6542.5	6502.5	6876.6	7380.0	7883.5	8463.6	9043.8	9505.0	9965.9	10322.4
6371.3	25°	6202.3	6094.4	6477.7	7067.2	7657.0	8373.3	9089.8	9616.9	10143.7	10492.7
6068.2	27.5°	5904.9	5773.7	6122.7	6781.2	7439.8	8312.9	9186.0	9791.8	10397.3	10730.6
5772.8	30°	5643.4	5540.5	5833.5	6542.2	7250.9	8284.6	9317.8	10018.4	10718.9	11040.4
5490.9	32.5°	5414.3	5368.5	5604.6	6336.1	7067.2	8249.7	9431.5	10254.8	11078.1	11396.4
5218.9	35°	5197.9	5216.9	5413.7	6133.5	6853.2	8183.8	9514.9	10524.2	11533.4	11838.7
4947.8	37.5°	4971.1	5040.5	5212.5	5895.0	6577.4	8070.9	9564.4	10825.9	12087.3	12476.2
4670.0	40°	4722.7	4829.2	4985.1	5610.5	6235.8	7915.6	9595.6	11209.0	12822.0	13388.7
4389.0	42.5°	4458.9	4593.0	4736.7	5296.5	5856.2	7755.2	9654.8	11710.1	13765.4	14583.4
4128.3	45°	4196.5	4326.3	4472.0	4963.0	5453.9	7606.3	9758.9	12369.5	14980.2	16083.6
3905.3	47.5°	3962.4	4074.1	4262.1	4699.1	5136.1	7483.2	9830.3	13072.1	16313.9	17867.2
3705.6	50°	3756.3	3886.1	4133.3	4523.9	4914.6	7349.1	9783.7	13724.0	17664.2	20005.8
3552.6	52.5°	3602.7	3784.0	4068.3	4408.5	4749.0	7122.6	9496.5	14147.3	18797.7	22252.3
3441.8	55°	3521.1	3794.2	4058.6	4324.8	4591.0	6747.1	8903.3	14054.0	19204.4	24244.0
3356.7	57.5°	3472.1	3804.4	4037.7	4225.7	4413.7	6217.7	8021.4	13397.4	18773.8	25655.6
3276.5	60°	3426.0	3772.4	3926.3	4074.1	4221.9	5530.3	6838.7	12175.7	17512.7	26008.4
3185.2	62.5°	3372.4	3693.7	3712.6	3810.6	3908.8	4707.6	5506.4	10523.6	15540.8	24523.0
3060.5	65°	3259.3	3504.2	3501.8	3548.2	3594.5	3967.4	4340.3	8838.0	13335.9	22421.4
2892.0	67.5°	3057.5	3195.1	3201.6	3175.9	3150.0	3256.1	3361.9	7186.7	11011.6	19920.4
2683.8	70°	2801.6	2846.8	2846.8	2727.0	2606.8	2576.8	2546.5	5658.6	8770.6	17191.4
2435.7	72.5°	2516.5	2515.9	2487.3	2317.4	2147.1	2055.6	1964.3	4326.0	6687.6	14233.0
2130.8	75°	2192.9	2203.9	2072.2	1881.5	1690.9	1608.1	1525.3	3139.8	4754.2	10841.6
1818.8	77.5°	1868.7	1874.5	1657.3	1472.2	1287.1	1230.5	1174.3	2127.6	3080.9	7588.2
1457.3	80°	1499.0	1499.9	1240.5	1083.9	927.1	903.7	880.4	1370.8	1861.4	4888.9
1082.2	82.5°	1102.6	1090.3	868.8	753.3	637.9	633.2	629.1	843.1	1057.7	2829.6
704.0	85°	725.9	709.9	545.2	460.6	376.1	378.4	380.4	450.7	521.3	1272.8
311.9	87.5°	320.7	300.3	231.8	197.1	162.7	164.7	166.8	186.9	207.0	416.9
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°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
8170.1	2.5°	8201.0	8232.2	8276.2	8320.2	8346.4	8372.7	8385.8	8398.9	8393.1	8398.9
8785.2	5°	8893.3	9001.8	9109.1	9216.7	9275.0	9333.3	9368.5	9404.1	9430.9	9404.1
9403.2	7.5°	9579.3	9755.1	9913.4	10071.7	10167.0	10262.4	10314.0	10365.3	10390.0	10365.3
9877.0	10°	10085.1	10293.3	10479.0	10664.7	10777.2	10889.1	10939.3	10989.1	11008.1	10989.1
10167.0	12.5°	10392.7	10618.0	10785.9	10953.3	11034.9	11116.5	11143.9	11171.3	11174.3	11171.3
10343.4	15°	10538.1	10732.6	10837.8	10943.4	10946.3	10949.2	10920.0	10890.9	10856.5	10890.9
10442.5	17.5°	10574.0	10705.5	10707.5	10709.3	10591.2	10473.1	10365.0	10256.5	10180.1	10256.5
10551.8	20°	10597.6	10643.7	10505.2	10366.7	10106.1	9845.5	9655.7	9465.9	9349.3	9465.9
10678.7	22.5°	10618.6	10558.6	10271.7	9984.8	9601.5	9218.1	8980.8	8743.5	8614.6	8743.5
10841.9	25°	10652.4	10462.9	10027.4	9591.8	9126.3	8660.7	8411.2	8162.2	8040.3	8162.2
11063.5	27.5°	10724.7	10385.7	9808.7	9232.1	8716.1	8200.1	7954.6	7709.5	7594.3	7709.5
11362.3	30°	10857.1	10352.2	9642.0	8931.8	8394.3	7856.7	7629.0	7401.3	7294.0	7401.3
11715.0	32.5°	11023.2	10331.7	9528.3	8724.8	8219.6	7714.4	7535.7	7356.7	7279.4	7356.7
12143.6	35°	11297.0	10450.7	9613.4	8776.4	8425.4	8074.7	8033.0	7991.4	7984.9	7991.4
12865.1	37.5°	11869.3	10873.4	10112.5	9351.6	9328.9	9306.1	9496.8	9687.5	9786.6	9687.5
13955.4	40°	12872.4	11789.4	11223.5	10657.7	11057.1	11456.5	11920.0	12383.5	12614.4	12383.5
15401.4	42.5°	14326.8	13252.3	12926.3	12600.4	13471.5	14342.6	15185.7	16028.8	16523.8	16028.8
17187.0	45°	16221.8	15256.2	15112.5	14968.5	16364.0	17759.9	19145.2	20530.8	21371.9	20530.8
19420.1	47.5°	18481.1	17541.8	17512.7	17483.5	19496.8	21509.5	23537.7	25565.5	26756.4	25565.5
22347.1	50°	21187.1	20027.4	20032.3	20037.3	22631.9	25226.5	27903.6	30580.7	32199.2	30580.7
25706.9	52.5°	24302.3	22898.0	22756.1	22613.8	25713.0	28812.3	32124.6	35436.7	37376.8	35436.7
29284.0	55°	27896.3	26508.6	25955.0	25401.4	28850.8	32299.8	36248.6	40197.3	42504.7	40197.3
32537.4	57.5°	31781.8	31025.8	29915.4	28805.3	32288.2	35771.0	40243.7	44716.0	47577.3	44716.0
34503.8	60°	35677.5	36851.4	35472.5	34093.6	37389.6	40685.6	45474.2	50262.9	53355.4	50262.9
33505.3	62.5°	36712.4	39919.5	39764.1	39608.4	42627.8	45647.4	50203.4	54759.1	57617.5	54759.1
31506.9	65°	34516.9	37526.9	38122.5	38717.8	42554.9	46392.3	50810.1	55227.6	57661.3	55227.6
28829.2	67.5°	31692.0	34554.8	34834.1	35113.1	39111.1	43108.8	47545.6	51982.3	53888.9	51982.3
25612.2	70°	28726.0	31840.1	31964.9	32089.9	35665.2	39240.2	43058.4	46876.2	47935.9	46876.2
21778.6	72.5°	25351.8	28925.4	29015.2	29104.7	31901.9	34699.1	37558.7	40418.0	40525.3	40418.0
16929.0	75°	20627.3	24325.7	24657.7	24989.8	27166.0	29342.3	31355.3	33368.3	32828.9	33368.3
12095.5	77.5°	15547.8	19000.3	19475.5	19950.7	21605.1	23259.5	24687.2	26115.1	25188.0	26115.1
7916.4	80°	10820.9	13725.1	14315.8	14906.4	16155.9	17404.8	18154.6	18904.1	17413.0	18904.1
4601.8	82.5°	6587.4	8573.2	9233.0	9893.0	10753.0	11613.0	11925.8	12238.3	11066.4	12238.3
2024.7	85°	3078.5	4132.4	4693.6	5254.8	5961.5	6667.8	6845.4	7022.9	6084.2	7022.9
626.8	87.5°	981.0	1335.2	1648.3	1961.4	2314.7	2668.1	2683.2	2698.1	2265.2	2698.1
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°
7597.2	0°	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2	7597.2
8385.8	2.5°	8372.7	8346.4	8320.2	8276.2	8232.2	8201.0	8170.1
9368.5	5°	9333.3	9275.0	9216.7	9109.1	9001.8	8893.3	8785.2
10314.0	7.5°	10262.4	10167.0	10071.7	9913.4	9755.1	9579.3	9403.2
10939.3	10°	10889.1	10777.2	10664.7	10479.0	10293.3	10085.1	9877.0
11143.9	12.5°	11116.5	11034.9	10953.3	10785.9	10618.0	10392.7	10167.0
10920.0	15°	10949.2	10946.3	10943.4	10837.8	10732.6	10538.1	10343.4
10365.0	17.5°	10473.1	10591.2	10709.3	10707.5	10705.5	10574.0	10442.5
9655.7	20°	9845.5	10106.1	10366.7	10505.2	10643.7	10597.6	10551.8
8980.8	22.5°	9218.1	9601.5	9984.8	10271.7	10558.6	10618.6	10678.7
8411.2	25°	8660.7	9126.3	9591.8	10027.4	10462.9	10652.4	10841.9
7954.6	27.5°	8200.1	8716.1	9232.1	9808.7	10385.7	10724.7	11063.5
7629.0	30°	7856.7	8394.3	8931.8	9642.0	10352.2	10857.1	11362.3
7535.7	32.5°	7714.4	8219.6	8724.8	9528.3	10331.7	11023.2	11715.0
8033.0	35°	8074.7	8425.4	8776.4	9613.4	10450.7	11297.0	12143.6
9496.8	37.5°	9306.1	9328.9	9351.6	10112.5	10873.4	11869.3	12865.1
11920.0	40°	11456.5	11057.1	10657.7	11223.5	11789.4	12872.4	13955.4
15185.7	42.5°	14342.6	13471.5	12600.4	12926.3	13252.3	14326.8	15401.4
19145.2	45°	17759.9	16364.0	14968.5	15112.5	15256.2	16221.8	17187.0
23537.7	47.5°	21509.5	19496.8	17483.5	17512.7	17541.8	18481.1	19420.1
27903.6	50°	25226.5	22631.9	20037.3	20032.3	20027.4	21187.1	22347.1
32124.6	52.5°	28812.3	25713.0	22613.8	22756.1	22898.0	24302.3	25706.9
36248.6	55°	32299.8	28850.8	25401.4	25955.0	26508.6	27896.3	29284.0
40243.7	57.5°	35771.0	32288.2	28805.3	29915.4	31025.8	31781.8	32537.4
45474.2	60°	40685.6	37389.6	34093.6	35472.5	36851.4	35677.5	34503.8
50203.4	62.5°	45647.4	42627.8	39608.4	39764.1	39919.5	36712.4	33505.3
50810.1	65°	46392.3	42554.9	38717.8	38122.5	37526.9	34516.9	31506.9
47545.6	67.5°	43108.8	39111.1	35113.1	34834.1	34554.8	31692.0	28829.2
43058.4	70°	39240.2	35665.2	32089.9	31964.9	31840.1	28726.0	25612.2
37558.7	72.5°	34699.1	31901.9	29104.7	29015.2	28925.4	25351.8	21778.6
31355.3	75°	29342.3	27166.0	24989.8	24657.7	24325.7	20627.3	16929.0
24687.2	77.5°	23259.5	21605.1	19950.7	19475.5	19000.3	15547.8	12095.5
18154.6	80°	17404.8	16155.9	14906.4	14315.8	13725.1	10820.9	7916.4
11925.8	82.5°	11613.0	10753.0	9893.0	9233.0	8573.2	6587.4	4601.8
6845.4	85°	6667.8	5961.5	5254.8	4693.6	4132.4	3078.5	2024.7
2683.2	87.5°	2668.1	2314.7	1961.4	1648.3	1335.2	981.0	626.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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