

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: P955741

Luminaire Tested: **GALN-SB8C-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955741
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55969 lumens
Efficiency: N/A
Efficacy: 140.0 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

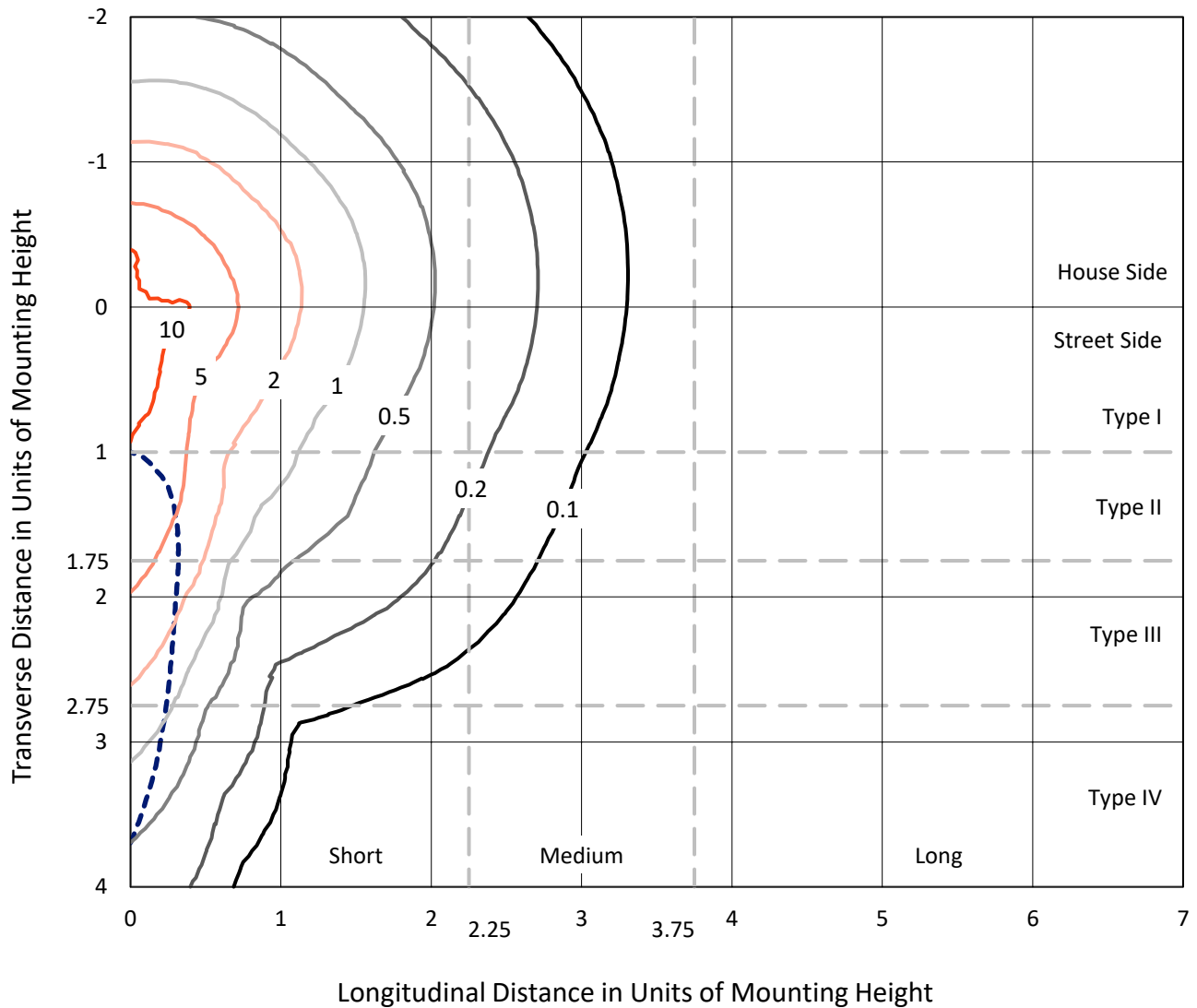
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

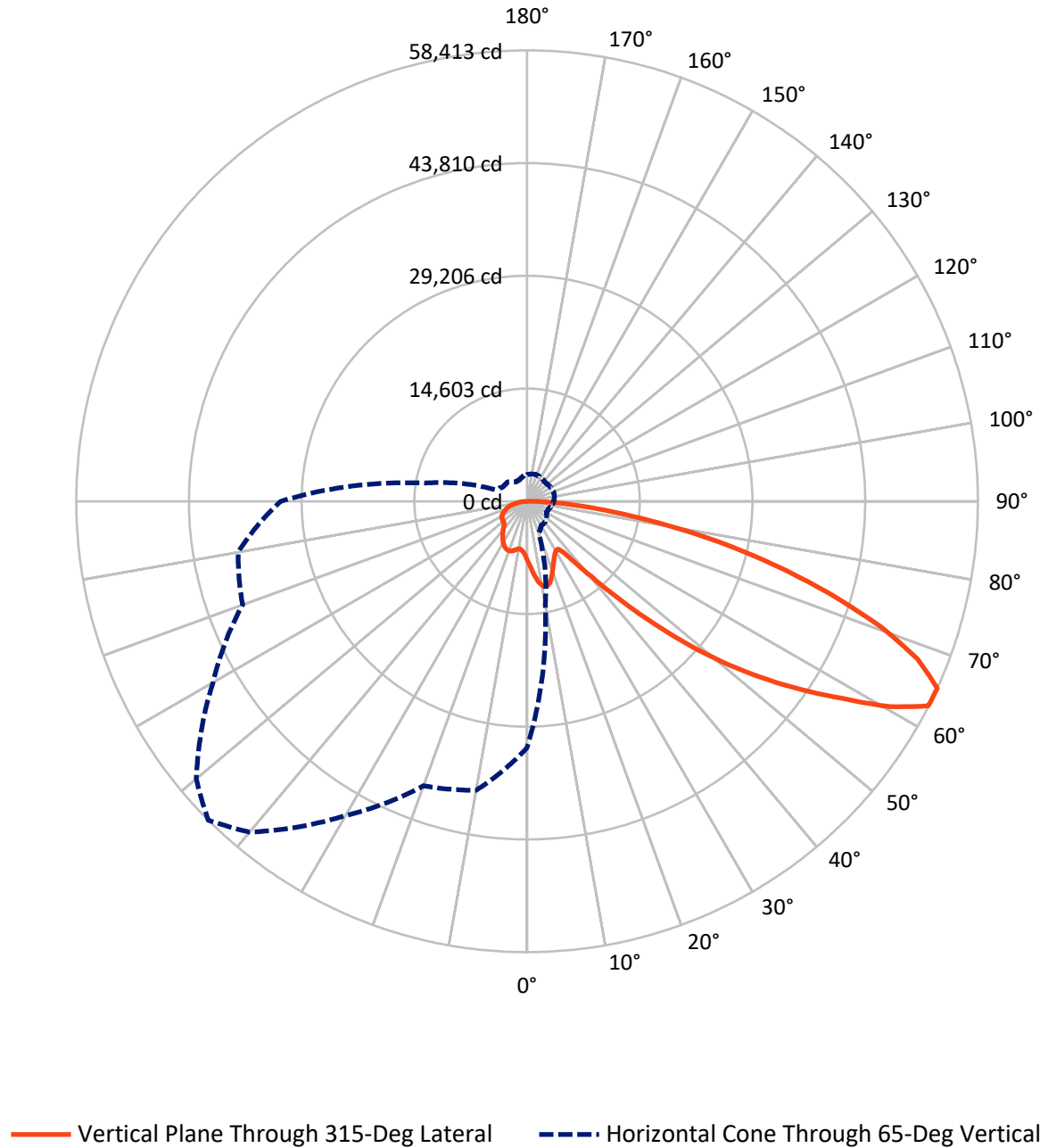
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB8C-835-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14224.5	0.0	14224.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41744.5	0.0	41744.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	55969.0	0.0	55969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	763.5	1.4
10°-20°	2396.7	4.3
20°-30°	3702.0	6.6
30°-40°	4691.4	8.4
40°-50°	7075.8	12.6
50°-60°	11432.0	20.4
60°-70°	14251.7	25.5
70°-80°	9345.6	16.7
80°-90°	2310.5	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°	55969.0	100.0
0°-180°	55969.0	100.0

Coefficient of Utilization



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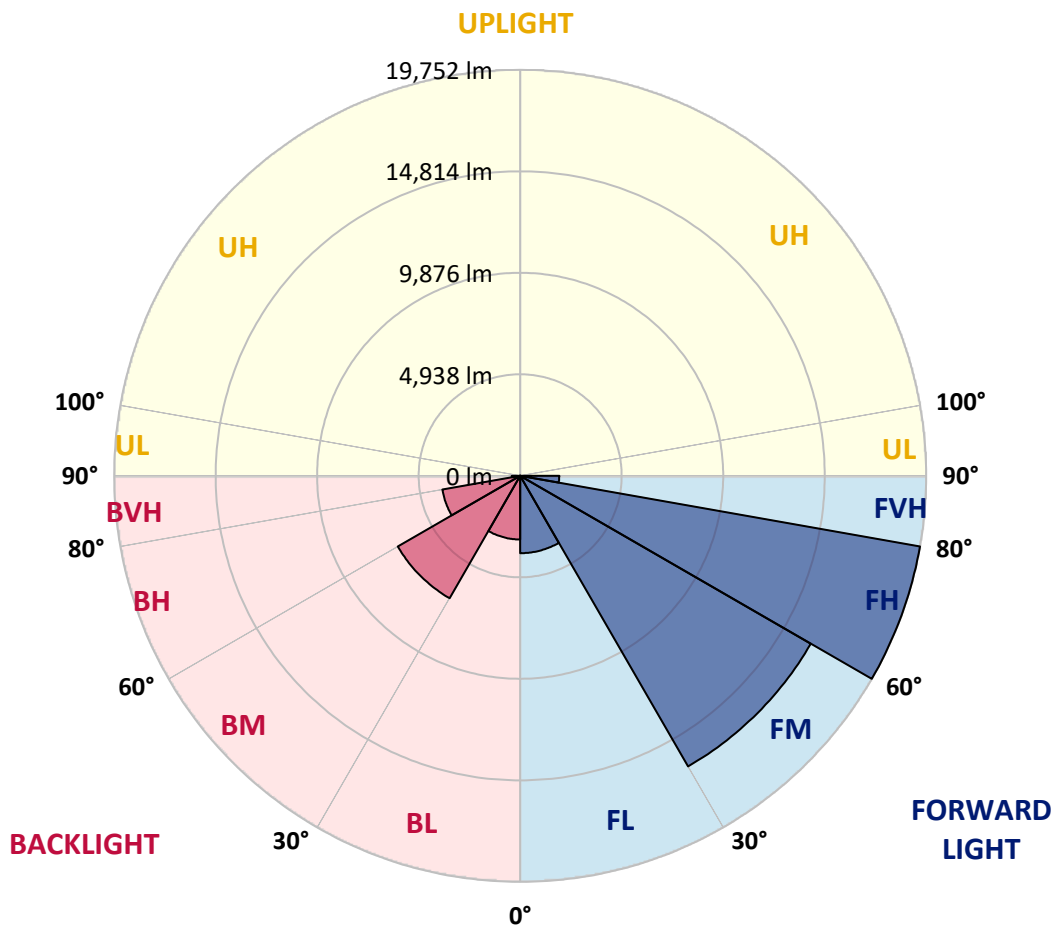
CATALOG NUMBER: GALN-SB8C-835-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3764.6	6.7			
FM (30°-60°)	16324.9	29.2			
FH (60°-80°)	19751.7	35.3			G5
FVH (80°-90°)	1903.3	3.4			G5
BL (0°-30°)	3097.6	5.5	B4/5000		
BM (30°-60°)	6874.1	12.3	B4/8500		
BH (60°-80°)	3845.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	407.2	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°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
2.5°	8276.5	8213.0	8149.5	8081.9	8014.6	7946.7	7878.7	7813.8	7748.8	7685.9
5°	8899.7	8759.4	8619.1	8479.1	8339.4	8198.6	8058.0	7926.6	7795.2	7671.1
7.5°	9525.8	9294.2	9063.0	8849.2	8635.4	8427.2	8218.9	8035.6	7852.2	7682.9
10°	10005.7	9713.0	9420.3	9137.7	8855.4	8602.6	8349.5	8132.7	7915.4	7706.6
12.5°	10299.5	9977.9	9656.6	9336.5	9016.3	8718.1	8419.8	8174.4	7928.9	7709.5
15°	10478.2	10143.0	9807.8	9460.5	9113.2	8769.7	8426.3	8142.2	7858.1	7615.0
17.5°	10578.6	10238.7	9898.8	9519.9	9141.0	8742.3	8343.6	8001.9	7660.2	7374.3
20°	10689.4	10336.1	9982.6	9566.2	9149.8	8666.7	8183.5	7760.0	7336.5	7003.7
22.5°	10817.8	10456.9	10095.8	9628.8	9161.6	8573.9	7986.2	7476.2	6966.2	6587.3
25°	10983.2	10629.4	10275.9	9742.2	9208.3	8482.4	7756.8	7159.3	6562.2	6173.8
27.5°	11207.7	10870.4	10532.8	9919.4	9305.8	8421.2	7536.7	6869.6	6202.5	5848.9
30°	11510.4	11184.3	10858.6	10148.9	9439.2	8392.6	7345.4	6627.4	5909.5	5612.7
32.5°	11867.7	11544.9	11222.4	10388.4	9554.4	8357.2	7159.3	6418.6	5677.7	5438.4
35°	12301.8	11992.9	11683.7	10661.3	9638.9	8290.4	6942.5	6213.4	5484.2	5284.9
37.5°	13032.8	12638.8	12244.8	10967.0	9689.1	8176.1	6663.2	5971.8	5280.4	5106.2
40°	14137.3	13563.2	12989.1	11355.0	9720.7	8018.7	6317.0	5683.6	5050.1	4892.1
42.5°	15602.1	14773.4	13944.7	11862.7	9780.6	7856.3	5932.5	5365.5	4798.5	4652.9
45°	17411.0	16293.2	15175.4	12530.7	9886.1	7705.4	5525.0	5027.6	4530.3	4382.7
47.5°	19673.2	18100.0	16526.5	13242.5	9958.4	7580.7	5203.1	4760.4	4317.7	4127.2
50°	22638.3	20266.5	17894.4	13902.8	9911.2	7444.9	4978.6	4582.9	4187.1	3936.7
52.5°	26041.9	22542.3	19042.7	14331.6	9620.3	7215.4	4810.9	4465.9	4121.3	3833.3
55°	29665.6	24560.0	19454.7	14237.1	9019.3	6835.0	4650.8	4381.2	4111.5	3843.7
57.5°	32961.4	25990.0	19018.5	13572.0	8125.9	6298.7	4471.2	4280.8	4090.3	3854.0
60°	34953.4	26347.3	17740.9	12334.3	6927.8	5602.4	4276.9	4127.2	3977.5	3821.5
62.5°	33941.9	24842.6	15743.3	10660.7	5578.1	4768.9	3959.7	3860.2	3761.0	3741.8
65°	31917.5	22713.6	13509.7	8953.1	4396.8	4019.1	3641.4	3594.4	3547.5	3549.8
67.5°	29204.9	20180.0	11155.1	7280.4	3405.7	3298.5	3191.0	3217.3	3243.3	3236.8
70°	25945.9	17415.4	8884.9	5732.3	2579.7	2610.4	2640.8	2762.5	2883.9	2883.9
72.5°	22062.4	14418.5	6774.8	4382.4	1989.9	2082.4	2175.1	2347.6	2519.7	2548.7
75°	17149.6	10982.9	4816.2	3180.7	1545.2	1629.0	1712.9	1906.0	2099.2	2232.7
77.5°	12253.1	7687.1	3121.0	2155.3	1189.6	1246.6	1303.9	1491.4	1678.9	1899.0
80°	8019.6	4952.6	1885.7	1388.6	891.9	915.5	939.1	1098.0	1256.6	1519.5
82.5°	4661.7	2866.4	1071.4	854.1	637.3	641.5	646.2	763.1	880.1	1104.5
85°	2051.0	1289.4	528.0	456.6	385.4	383.3	381.0	466.6	552.3	719.1
87.5°	635.0	422.3	209.7	189.3	168.9	166.9	164.8	199.6	234.8	304.2
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°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
7615.9	2.5°	7559.2	7502.8	7451.7	7400.9	7356.3	7311.7	7266.8	7222.2	7187.7	7152.8
7548.6	5°	7441.6	7334.4	7244.7	7155.2	7076.0	6996.9	6925.1	6853.1	6797.8	6742.3
7524.3	7.5°	7382.0	7239.9	7121.8	7003.7	6904.2	6804.3	6716.3	6628.6	6562.8	6497.2
7536.2	10°	7386.1	7236.1	7118.0	6999.8	6892.6	6785.1	6686.2	6587.3	6508.7	6429.9
7550.9	12.5°	7428.1	7305.8	7227.2	7149.3	7064.8	6980.9	6878.5	6776.3	6675.9	6575.5
7488.0	15°	7429.2	7370.8	7381.4	7392.0	7370.2	7348.3	7259.4	7170.5	7027.6	6884.7
7296.1	17.5°	7317.6	7338.9	7467.6	7596.4	7664.9	7733.1	7661.4	7589.9	7400.6	7211.3
6983.0	20°	7083.4	7183.8	7407.4	7631.2	7774.5	7917.7	7884.6	7851.3	7634.8	7418.6
6627.7	22.5°	6776.3	6924.8	7180.0	7435.7	7622.1	7808.4	7828.5	7848.3	7641.6	7434.9
6283.1	25°	6454.4	6625.7	6855.1	7084.9	7268.3	7451.7	7520.2	7588.4	7418.9	7249.7
5981.8	27.5°	6147.2	6312.6	6501.3	6689.7	6836.8	6983.9	7060.1	7136.6	7015.8	6895.3
5716.9	30°	5848.1	5979.8	6136.3	6292.8	6414.8	6537.1	6599.1	6661.1	6569.3	6477.1
5484.8	32.5°	5562.5	5640.2	5765.1	5890.3	6007.2	6124.5	6193.3	6262.4	6177.9	6093.2
5265.7	35°	5286.9	5308.5	5403.9	5499.0	5614.8	5730.8	5813.5	5896.2	5836.0	5776.0
5035.9	37.5°	5012.3	4988.7	5057.2	5125.4	5240.9	5356.6	5458.8	5561.0	5533.2	5505.5
4784.3	40°	4730.8	4677.4	4726.7	4776.0	4887.7	4999.3	5116.8	5234.7	5241.5	5248.0
4517.0	42.5°	4446.1	4375.3	4415.4	4455.9	4561.6	4667.6	4794.6	4921.6	4955.6	4989.5
4251.2	45°	4182.1	4113.3	4147.0	4181.2	4281.6	4382.1	4513.8	4645.5	4694.2	4743.0
4014.1	47.5°	3956.2	3898.3	3930.2	3961.8	4060.2	4158.2	4288.1	4418.1	4474.2	4530.3
3805.3	50°	3753.9	3702.8	3752.4	3802.3	3895.1	3987.5	4103.9	4220.2	4292.3	4364.3
3649.7	52.5°	3598.9	3548.4	3623.1	3697.5	3782.5	3867.3	3975.7	4084.4	4169.7	4255.1
3567.0	55°	3486.6	3406.6	3512.6	3618.3	3709.9	3801.4	3896.5	3991.3	4081.7	4172.4
3517.3	57.5°	3400.4	3283.4	3397.4	3511.4	3618.9	3726.4	3820.3	3914.6	4005.8	4096.8
3470.7	60°	3319.2	3167.4	3267.5	3367.3	3490.8	3614.2	3709.6	3805.3	3896.8	3988.4
3416.3	62.5°	3226.7	3037.4	3100.9	3164.4	3308.3	3452.4	3554.3	3656.1	3740.0	3823.9
3301.8	65°	3100.3	2898.6	2923.1	2947.4	3101.5	3256.0	3353.4	3450.9	3524.7	3598.6
3097.4	67.5°	2929.6	2761.9	2754.2	2746.5	2888.9	3031.5	3124.0	3216.1	3279.9	3343.7
2838.1	70°	2718.8	2599.5	2572.9	2546.3	2671.5	2796.7	2876.5	2956.2	3013.8	3071.4
2549.3	72.5°	2467.5	2385.7	2346.7	2308.0	2406.6	2505.0	2577.0	2649.1	2705.5	2761.9
2221.4	75°	2158.5	2095.3	2058.1	2020.6	2093.9	2167.1	2232.4	2297.6	2349.0	2400.4
1893.0	77.5°	1842.5	1792.0	1754.2	1716.4	1776.1	1835.5	1891.6	1947.7	2001.7	2055.5
1518.6	80°	1476.3	1433.8	1402.2	1370.3	1419.9	1469.3	1516.5	1563.8	1604.8	1645.6
1116.9	82.5°	1096.3	1075.6	1053.1	1030.7	1026.6	1022.4	1005.9	989.3	1076.8	1164.2
735.4	85°	713.2	691.1	666.0	640.9	619.6	598.0	552.3	506.5	588.3	670.4
324.9	87.5°	316.0	307.1	302.4	297.7	296.8	295.9	261.1	225.9	260.2	294.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
7124.8	2.5°	7096.7	7074.9	7053.0	7032.9	7012.5	6987.4	7012.5	7032.9	7053.0	7074.9
6703.6	5°	6664.9	6637.5	6610.0	6589.0	6568.1	6547.4	6568.1	6589.0	6610.0	6637.5
6451.1	7.5°	6405.1	6373.5	6342.1	6323.2	6304.6	6290.5	6304.6	6323.2	6342.1	6373.5
6378.5	10°	6326.5	6296.7	6266.8	6250.9	6234.9	6228.4	6234.9	6250.9	6266.8	6296.7
6509.0	12.5°	6442.6	6409.2	6376.1	6362.5	6348.9	6346.6	6348.9	6362.5	6376.1	6409.2
6783.7	15°	6682.7	6636.3	6590.2	6572.5	6554.8	6553.3	6554.8	6572.5	6590.2	6636.3
7062.4	17.5°	6913.6	6845.1	6776.3	6753.8	6731.1	6727.5	6731.1	6753.8	6776.3	6845.1
7236.1	20°	7053.9	6966.2	6878.2	6850.1	6822.1	6813.2	6822.1	6850.1	6878.2	6966.2
7247.0	22.5°	7058.9	6966.5	6873.7	6842.7	6811.7	6798.4	6811.7	6842.7	6873.7	6966.5
7082.5	25°	6916.0	6835.6	6755.6	6726.4	6697.4	6680.3	6697.4	6726.4	6755.6	6835.6
6765.6	27.5°	6636.0	6582.2	6528.2	6514.9	6501.6	6497.2	6501.6	6514.9	6528.2	6582.2
6384.4	30°	6291.1	6263.6	6235.8	6235.8	6235.8	6240.3	6235.8	6235.8	6235.8	6263.6
6019.1	32.5°	5944.9	5926.9	5908.9	5911.3	5913.9	5918.4	5913.9	5911.3	5908.9	5926.9
5707.5	35°	5639.3	5611.8	5584.6	5578.7	5572.8	5569.9	5572.8	5578.7	5584.6	5611.8
5442.6	37.5°	5379.4	5329.5	5279.9	5253.6	5227.3	5212.5	5227.3	5253.6	5279.9	5329.5
5194.5	40°	5141.1	5068.4	4996.3	4947.3	4898.9	4869.9	4898.9	4947.3	4996.3	5068.4
4944.4	42.5°	4899.5	4809.4	4719.3	4648.2	4577.0	4530.3	4577.0	4648.2	4719.3	4809.4
4702.2	45°	4661.7	4558.7	4455.9	4372.3	4288.7	4235.0	4288.7	4372.3	4455.9	4558.7
4502.0	47.5°	4473.6	4382.1	4290.5	4213.1	4136.1	4084.4	4136.1	4213.1	4290.5	4382.1
4362.6	50°	4361.4	4288.1	4214.9	4143.4	4072.0	4022.4	4072.0	4143.4	4214.9	4288.1
4270.4	52.5°	4285.8	4226.1	4166.5	4102.4	4038.6	3992.8	4038.6	4102.4	4166.5	4226.1
4193.6	55°	4214.9	4162.9	4111.0	4054.8	3998.7	3957.4	3998.7	4054.8	4111.0	4162.9
4118.3	57.5°	4139.9	4087.3	4034.8	3979.2	3923.4	3880.6	3923.4	3979.2	4034.8	4087.3
4012.0	60°	4035.6	3984.3	3933.2	3875.9	3818.6	3774.3	3818.6	3875.9	3933.2	3984.3
3846.6	62.5°	3869.4	3823.0	3776.6	3716.4	3656.1	3603.0	3656.1	3716.4	3776.6	3823.0
3621.9	65°	3644.9	3600.3	3555.7	3497.3	3439.1	3393.3	3439.1	3497.3	3555.7	3600.3
3366.4	67.5°	3388.9	3347.8	3307.1	3252.7	3198.4	3157.0	3198.4	3252.7	3307.1	3347.8
3093.3	70°	3115.1	3081.7	3048.4	2996.4	2944.4	2897.2	2944.4	2996.4	3048.4	3081.7
2787.9	72.5°	2813.9	2786.1	2758.4	2708.7	2659.4	2613.6	2659.4	2708.7	2758.4	2786.1
2427.6	75°	2454.8	2441.2	2427.6	2385.9	2344.3	2300.6	2344.3	2385.9	2427.6	2441.2
2080.9	77.5°	2106.3	2087.4	2067.9	2025.9	1984.0	1949.2	1984.0	2025.9	2067.9	2087.4
1679.2	80°	1712.9	1704.6	1696.7	1640.2	1583.5	1518.0	1583.5	1640.2	1696.7	1704.6
1221.5	82.5°	1278.8	1275.2	1271.4	1223.8	1176.0	1134.1	1176.0	1223.8	1271.4	1275.2
741.3	85°	812.1	806.2	800.3	763.1	725.9	688.1	725.9	763.1	800.3	806.2
323.4	87.5°	352.0	344.9	337.3	318.4	298.9	280.6	298.9	318.4	337.3	344.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
7096.7	2.5°	7124.8	7152.8	7187.7	7222.2	7266.8	7311.7	7356.3	7400.9	7451.7	7502.8
6664.9	5°	6703.6	6742.3	6797.8	6853.1	6925.1	6996.9	7076.0	7155.2	7244.7	7334.4
6405.1	7.5°	6451.1	6497.2	6562.8	6628.6	6716.3	6804.3	6904.2	7003.7	7121.8	7239.9
6326.5	10°	6378.5	6429.9	6508.7	6587.3	6686.2	6785.1	6892.6	6999.8	7118.0	7236.1
6442.6	12.5°	6509.0	6575.5	6675.9	6776.3	6878.5	6980.9	7064.8	7149.3	7227.2	7305.8
6682.7	15°	6783.7	6884.7	7027.6	7170.5	7259.4	7348.3	7370.2	7392.0	7381.4	7370.8
6913.6	17.5°	7062.4	7211.3	7400.6	7589.9	7661.4	7733.1	7664.9	7596.4	7467.6	7338.9
7053.9	20°	7236.1	7418.6	7634.8	7851.3	7884.6	7917.7	7774.5	7631.2	7407.4	7183.8
7058.9	22.5°	7247.0	7434.9	7641.6	7848.3	7828.5	7808.4	7622.1	7435.7	7180.0	6924.8
6916.0	25°	7082.5	7249.7	7418.9	7588.4	7520.2	7451.7	7268.3	7084.9	6855.1	6625.7
6636.0	27.5°	6765.6	6895.3	7015.8	7136.6	7060.1	6983.9	6836.8	6689.7	6501.3	6312.6
6291.1	30°	6384.4	6477.1	6569.3	6661.1	6599.1	6537.1	6414.8	6292.8	6136.3	5979.8
5944.9	32.5°	6019.1	6093.2	6177.9	6262.4	6193.3	6124.5	6007.2	5890.3	5765.1	5640.2
5639.3	35°	5707.5	5776.0	5836.0	5896.2	5813.5	5730.8	5614.8	5499.0	5403.9	5308.5
5379.4	37.5°	5442.6	5505.5	5533.2	5561.0	5458.8	5356.6	5240.9	5125.4	5057.2	4988.7
5141.1	40°	5194.5	5248.0	5241.5	5234.7	5116.8	4999.3	4887.7	4776.0	4726.7	4677.4
4899.5	42.5°	4944.4	4989.5	4955.6	4921.6	4794.6	4667.6	4561.6	4455.9	4415.4	4375.3
4661.7	45°	4702.2	4743.0	4694.2	4645.5	4513.8	4382.1	4281.6	4181.2	4147.0	4113.3
4473.6	47.5°	4502.0	4530.3	4474.2	4418.1	4288.1	4158.2	4060.2	3961.8	3930.2	3898.3
4361.4	50°	4362.6	4364.3	4292.3	4220.2	4103.9	3987.5	3895.1	3802.3	3752.4	3702.8
4285.8	52.5°	4270.4	4255.1	4169.7	4084.4	3975.7	3867.3	3782.5	3697.5	3623.1	3548.4
4214.9	55°	4193.6	4172.4	4081.7	3991.3	3896.5	3801.4	3709.9	3618.3	3512.6	3406.6
4139.9	57.5°	4118.3	4096.8	4005.8	3914.6	3820.3	3726.4	3618.9	3511.4	3397.4	3283.4
4035.6	60°	4012.0	3988.4	3896.8	3805.3	3709.6	3614.2	3490.8	3367.3	3267.5	3167.4
3869.4	62.5°	3846.6	3823.9	3740.0	3656.1	3554.3	3452.4	3308.3	3164.4	3100.9	3037.4
3644.9	65°	3621.9	3598.6	3524.7	3450.9	3353.4	3256.0	3101.5	2947.4	2923.1	2898.6
3388.9	67.5°	3366.4	3343.7	3279.9	3216.1	3124.0	3031.5	2888.9	2746.5	2754.2	2761.9
3115.1	70°	3093.3	3071.4	3013.8	2956.2	2876.5	2796.7	2671.5	2546.3	2572.9	2599.5
2813.9	72.5°	2787.9	2761.9	2705.5	2649.1	2577.0	2505.0	2406.6	2308.0	2346.7	2385.7
2454.8	75°	2427.6	2400.4	2349.0	2297.6	2232.4	2167.1	2093.9	2020.6	2058.1	2095.3
2106.3	77.5°	2080.9	2055.5	2001.7	1947.7	1891.6	1835.5	1776.1	1716.4	1754.2	1792.0
1712.9	80°	1679.2	1645.6	1604.8	1563.8	1516.5	1469.3	1419.9	1370.3	1402.2	1433.8
1278.8	82.5°	1221.5	1164.2	1076.8	989.3	1005.9	1022.4	1026.6	1030.7	1053.1	1075.6
812.1	85°	741.3	670.4	588.3	506.5	552.3	598.0	619.6	640.9	666.0	691.1
352.0	87.5°	323.4	294.7	260.2	225.9	261.1	295.9	296.8	297.7	302.4	307.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
7559.2	2.5°	7615.9	7685.9	7748.8	7813.8	7878.7	7946.7	8014.6	8081.9	8149.5	8213.0
7441.6	5°	7548.6	7671.1	7795.2	7926.6	8058.0	8198.6	8339.4	8479.1	8619.1	8759.4
7382.0	7.5°	7524.3	7682.9	7852.2	8035.6	8218.9	8427.2	8635.4	8849.2	9063.0	9294.2
7386.1	10°	7536.2	7706.6	7915.4	8132.7	8349.5	8602.6	8855.4	9137.7	9420.3	9713.0
7428.1	12.5°	7550.9	7709.5	7928.9	8174.4	8419.8	8718.1	9016.3	9336.5	9656.6	9977.9
7429.2	15°	7488.0	7615.0	7858.1	8142.2	8426.3	8769.7	9113.2	9460.5	9807.8	10143.0
7317.6	17.5°	7296.1	7374.3	7660.2	8001.9	8343.6	8742.3	9141.0	9519.9	9898.8	10238.7
7083.4	20°	6983.0	7003.7	7336.5	7760.0	8183.5	8666.7	9149.8	9566.2	9982.6	10336.1
6776.3	22.5°	6627.7	6587.3	6966.2	7476.2	7986.2	8573.9	9161.6	9628.8	10095.8	10456.9
6454.4	25°	6283.1	6173.8	6562.2	7159.3	7756.8	8482.4	9208.3	9742.2	10275.9	10629.4
6147.2	27.5°	5981.8	5848.9	6202.5	6869.6	7536.7	8421.2	9305.8	9919.4	10532.8	10870.4
5848.1	30°	5716.9	5612.7	5909.5	6627.4	7345.4	8392.6	9439.2	10148.9	10858.6	11184.3
5562.5	32.5°	5484.8	5438.4	5677.7	6418.6	7159.3	8357.2	9554.4	10388.4	11222.4	11544.9
5286.9	35°	5265.7	5284.9	5484.2	6213.4	6942.5	8290.4	9638.9	10661.3	11683.7	11992.9
5012.3	37.5°	5035.9	5106.2	5280.4	5971.8	6663.2	8176.1	9689.1	10967.0	12244.8	12638.8
4730.8	40°	4784.3	4892.1	5050.1	5683.6	6317.0	8018.7	9720.7	11355.0	12989.1	13563.2
4446.1	42.5°	4517.0	4652.9	4798.5	5365.5	5932.5	7856.3	9780.6	11862.7	13944.7	14773.4
4182.1	45°	4251.2	4382.7	4530.3	5027.6	5525.0	7705.4	9886.1	12530.7	15175.4	16293.2
3956.2	47.5°	4014.1	4127.2	4317.7	4760.4	5203.1	7580.7	9958.4	13242.5	16526.5	18100.0
3753.9	50°	3805.3	3936.7	4187.1	4582.9	4978.6	7444.9	9911.2	13902.8	17894.4	20266.5
3598.9	52.5°	3649.7	3833.3	4121.3	4465.9	4810.9	7215.4	9620.3	14331.6	19042.7	22542.3
3486.6	55°	3567.0	3843.7	4111.5	4381.2	4650.8	6835.0	9019.3	14237.1	19454.7	24560.0
3400.4	57.5°	3517.3	3854.0	4090.3	4280.8	4471.2	6298.7	8125.9	13572.0	19018.5	25990.0
3319.2	60°	3470.7	3821.5	3977.5	4127.2	4276.9	5602.4	6927.8	12334.3	17740.9	26347.3
3226.7	62.5°	3416.3	3741.8	3761.0	3860.2	3959.7	4768.9	5578.1	10660.7	15743.3	24842.6
3100.3	65°	3301.8	3549.8	3547.5	3594.4	3641.4	4019.1	4396.8	8953.1	13509.7	22713.6
2929.6	67.5°	3097.4	3236.8	3243.3	3217.3	3191.0	3298.5	3405.7	7280.4	11155.1	20180.0
2718.8	70°	2838.1	2883.9	2883.9	2762.5	2640.8	2610.4	2579.7	5732.3	8884.9	17415.4
2467.5	72.5°	2549.3	2548.7	2519.7	2347.6	2175.1	2082.4	1989.9	4382.4	6774.8	14418.5
2158.5	75°	2221.4	2232.7	2099.2	1906.0	1712.9	1629.0	1545.2	3180.7	4816.2	10982.9
1842.5	77.5°	1893.0	1899.0	1678.9	1491.4	1303.9	1246.6	1189.6	2155.3	3121.0	7687.1
1476.3	80°	1518.6	1519.5	1256.6	1098.0	939.1	915.5	891.9	1388.6	1885.7	4952.6
1096.3	82.5°	1116.9	1104.5	880.1	763.1	646.2	641.5	637.3	854.1	1071.4	2866.4
713.2	85°	735.4	719.1	552.3	466.6	381.0	383.3	385.4	456.6	528.0	1289.4
316.0	87.5°	324.9	304.2	234.8	199.6	164.8	166.9	168.9	189.3	209.7	422.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
8276.5	2.5°	8307.8	8339.4	8384.0	8428.6	8455.2	8481.8	8495.1	8508.4	8502.5	8508.4
8899.7	5°	9009.2	9119.1	9227.8	9336.8	9395.8	9454.9	9490.6	9526.7	9553.8	9526.7
9525.8	7.5°	9704.1	9882.2	10042.6	10203.0	10299.5	10396.1	10448.4	10500.3	10525.5	10500.3
10005.7	10°	10216.5	10427.4	10615.5	10803.6	10917.6	11031.1	11081.8	11132.3	11151.5	11132.3
10299.5	12.5°	10528.1	10756.4	10926.5	11096.0	11178.7	11261.4	11289.2	11316.9	11319.9	11316.9
10478.2	15°	10675.5	10872.5	10979.1	11086.0	11088.9	11091.9	11062.4	11032.8	10998.0	11032.8
10578.6	17.5°	10711.8	10845.0	10847.1	10848.8	10729.2	10609.6	10500.1	10390.2	10312.8	10390.2
10689.4	20°	10735.7	10782.4	10642.1	10501.8	10237.8	9973.8	9781.5	9589.3	9471.1	9589.3
10817.8	22.5°	10757.0	10696.2	10405.5	10114.9	9726.6	9338.2	9097.8	8857.4	8726.9	8857.4
10983.2	25°	10791.2	10599.3	10158.1	9716.8	9245.2	8773.6	8520.8	8268.6	8145.1	8268.6
11207.7	27.5°	10864.5	10521.0	9936.6	9352.4	8829.7	8307.0	8058.3	7809.9	7693.3	7809.9
11510.4	30°	10998.6	10487.1	9767.6	9048.2	8503.6	7959.1	7728.4	7497.8	7389.1	7497.8
11867.7	32.5°	11166.9	10466.4	9652.5	8838.5	8326.7	7814.9	7633.9	7452.6	7374.3	7452.6
12301.8	35°	11444.2	10586.9	9738.7	8890.8	8535.2	8180.0	8137.7	8095.5	8089.0	8095.5
13032.8	37.5°	12023.9	11015.1	10244.3	9473.5	9450.5	9427.4	9620.6	9813.7	9914.1	9813.7
14137.3	40°	13040.2	11943.0	11369.8	10796.6	11201.2	11605.8	12075.3	12544.9	12778.8	12544.9
15602.1	42.5°	14513.5	13425.0	13094.8	12764.6	13647.1	14529.5	15383.6	16237.7	16739.1	16237.7
17411.0	45°	16433.2	15455.0	15309.5	15163.6	16577.3	17991.3	19394.7	20798.4	21650.4	20798.4
19673.2	47.5°	18722.0	17770.4	17740.9	17711.3	19750.9	21789.8	23844.4	25898.7	27105.1	25898.7
22638.3	50°	21463.2	20288.4	20293.4	20298.4	22926.8	25555.2	28267.2	30979.2	32618.9	30979.2
26041.9	52.5°	24619.0	23196.5	23052.6	22908.5	26048.1	29187.8	32543.3	35898.5	37863.9	35898.5
29665.6	55°	28259.8	26854.1	26293.3	25732.4	29226.7	32720.7	36720.9	40721.2	43058.7	40721.2
32961.4	57.5°	32196.0	31430.2	30305.3	29180.7	32708.9	36237.2	40768.1	45298.7	48197.4	45298.7
34953.4	60°	36142.4	37331.7	35934.8	34537.9	37876.9	41215.8	46066.9	50917.9	54050.7	50917.9
33941.9	62.5°	37190.8	40439.7	40282.3	40124.6	43183.3	46242.3	50857.7	55472.7	58368.4	55472.7
31917.5	65°	34966.7	38016.0	38619.3	39222.4	43109.5	46996.8	51472.2	55947.3	58412.7	55947.3
29204.9	67.5°	32105.0	35005.1	35288.0	35570.7	39620.8	43670.6	48165.2	52659.7	54591.2	52659.7
25945.9	70°	29100.3	32255.0	32381.4	32508.1	36130.0	39751.6	43619.5	47487.1	48560.6	47487.1
22062.4	72.5°	25682.2	29302.3	29393.3	29484.0	32317.6	35151.3	38048.1	40944.7	41053.4	40944.7
17149.6	75°	20896.2	24642.7	24979.0	25315.4	27520.0	29724.7	31763.9	33803.1	33256.8	33803.1
12253.1	77.5°	15750.4	19247.9	19729.3	20210.7	21886.7	23562.7	25008.9	26455.4	25516.2	26455.4
8019.6	80°	10961.9	13904.0	14502.3	15100.7	16366.4	17631.6	18391.2	19150.5	17639.9	19150.5
4661.7	82.5°	6673.2	8685.0	9353.3	10021.9	10893.1	11764.3	12081.2	12397.8	11210.6	12397.8
2051.0	85°	3118.7	4186.3	4754.8	5323.3	6039.1	6754.7	6934.6	7114.4	6163.5	7114.4
635.0	87.5°	993.8	1352.6	1669.8	1987.0	2344.9	2702.8	2718.2	2733.3	2294.7	2733.3
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°
7696.2	0°	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2	7696.2
8495.1	2.5°	8481.8	8455.2	8428.6	8384.0	8339.4	8307.8	8276.5
9490.6	5°	9454.9	9395.8	9336.8	9227.8	9119.1	9009.2	8899.7
10448.4	7.5°	10396.1	10299.5	10203.0	10042.6	9882.2	9704.1	9525.8
11081.8	10°	11031.1	10917.6	10803.6	10615.5	10427.4	10216.5	10005.7
11289.2	12.5°	11261.4	11178.7	11096.0	10926.5	10756.4	10528.1	10299.5
11062.4	15°	11091.9	11088.9	11086.0	10979.1	10872.5	10675.5	10478.2
10500.1	17.5°	10609.6	10729.2	10848.8	10847.1	10845.0	10711.8	10578.6
9781.5	20°	9973.8	10237.8	10501.8	10642.1	10782.4	10735.7	10689.4
9097.8	22.5°	9338.2	9726.6	10114.9	10405.5	10696.2	10757.0	10817.8
8520.8	25°	8773.6	9245.2	9716.8	10158.1	10599.3	10791.2	10983.2
8058.3	27.5°	8307.0	8829.7	9352.4	9936.6	10521.0	10864.5	11207.7
7728.4	30°	7959.1	8503.6	9048.2	9767.6	10487.1	10998.6	11510.4
7633.9	32.5°	7814.9	8326.7	8838.5	9652.5	10466.4	11166.9	11867.7
8137.7	35°	8180.0	8535.2	8890.8	9738.7	10586.9	11444.2	12301.8
9620.6	37.5°	9427.4	9450.5	9473.5	10244.3	11015.1	12023.9	13032.8
12075.3	40°	11605.8	11201.2	10796.6	11369.8	11943.0	13040.2	14137.3
15383.6	42.5°	14529.5	13647.1	12764.6	13094.8	13425.0	14513.5	15602.1
19394.7	45°	17991.3	16577.3	15163.6	15309.5	15455.0	16433.2	17411.0
23844.4	47.5°	21789.8	19750.9	17711.3	17740.9	17770.4	18722.0	19673.2
28267.2	50°	25555.2	22926.8	20298.4	20293.4	20288.4	21463.2	22638.3
32543.3	52.5°	29187.8	26048.1	22908.5	23052.6	23196.5	24619.0	26041.9
36720.9	55°	32720.7	29226.7	25732.4	26293.3	26854.1	28259.8	29665.6
40768.1	57.5°	36237.2	32708.9	29180.7	30305.3	31430.2	32196.0	32961.4
46066.9	60°	41215.8	37876.9	34537.9	35934.8	37331.7	36142.4	34953.4
50857.7	62.5°	46242.3	43183.3	40124.6	40282.3	40439.7	37190.8	33941.9
51472.2	65°	46996.8	43109.5	39222.4	38619.3	38016.0	34966.7	31917.5
48165.2	67.5°	43670.6	39620.8	35570.7	35288.0	35005.1	32105.0	29204.9
43619.5	70°	39751.6	36130.0	32508.1	32381.4	32255.0	29100.3	25945.9
38048.1	72.5°	35151.3	32317.6	29484.0	29393.3	29302.3	25682.2	22062.4
31763.9	75°	29724.7	27520.0	25315.4	24979.0	24642.7	20896.2	17149.6
25008.9	77.5°	23562.7	21886.7	20210.7	19729.3	19247.9	15750.4	12253.1
18391.2	80°	17631.6	16366.4	15100.7	14502.3	13904.0	10961.9	8019.6
12081.2	82.5°	11764.3	10893.1	10021.9	9353.3	8685.0	6673.2	4661.7
6934.6	85°	6754.7	6039.1	5323.3	4754.8	4186.3	3118.7	2051.0
2718.2	87.5°	2702.8	2344.9	1987.0	1669.8	1352.6	993.8	635.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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