

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: P953242

Luminaire Tested: **GALN-SB6D-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953242
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57031 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

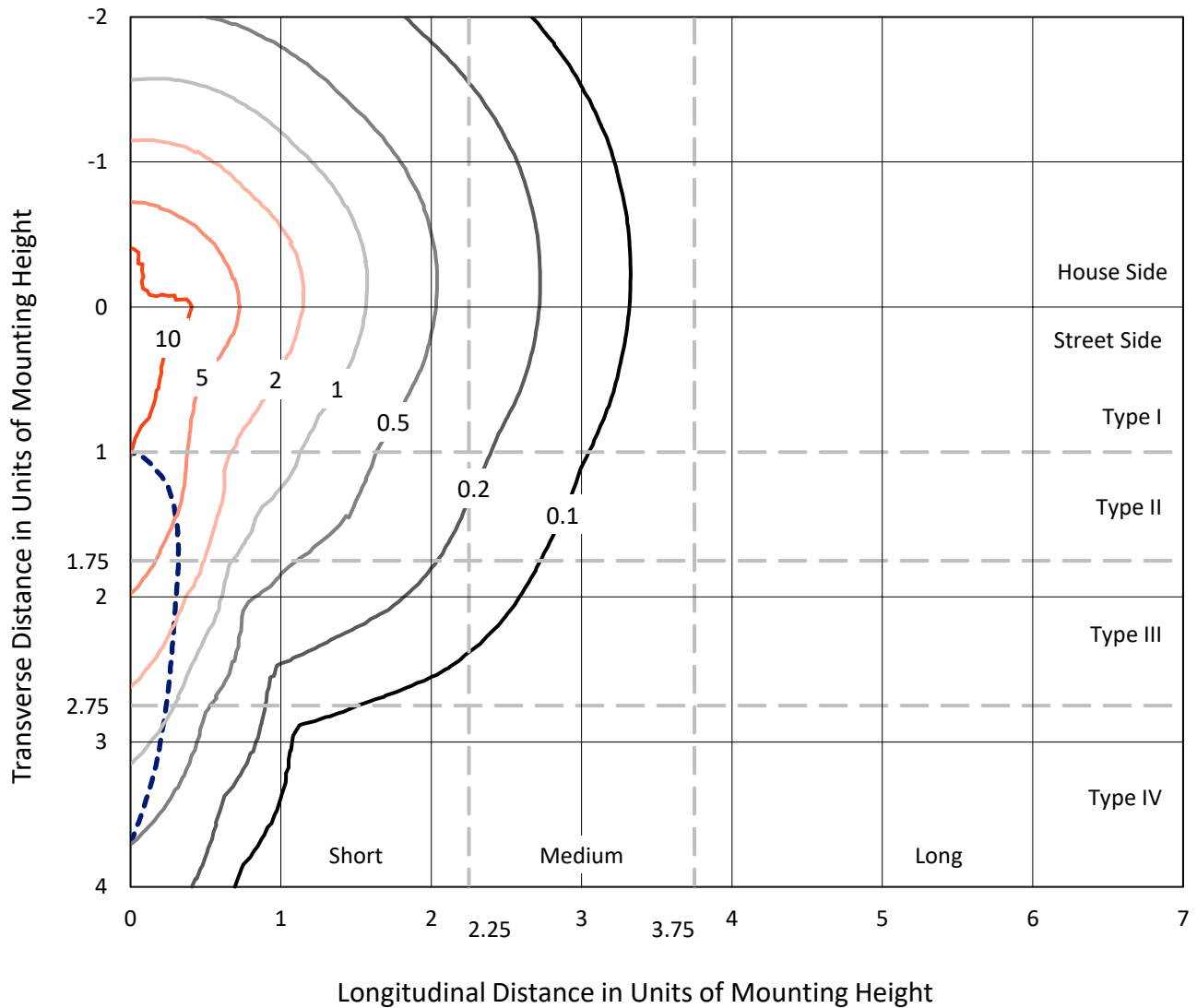
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

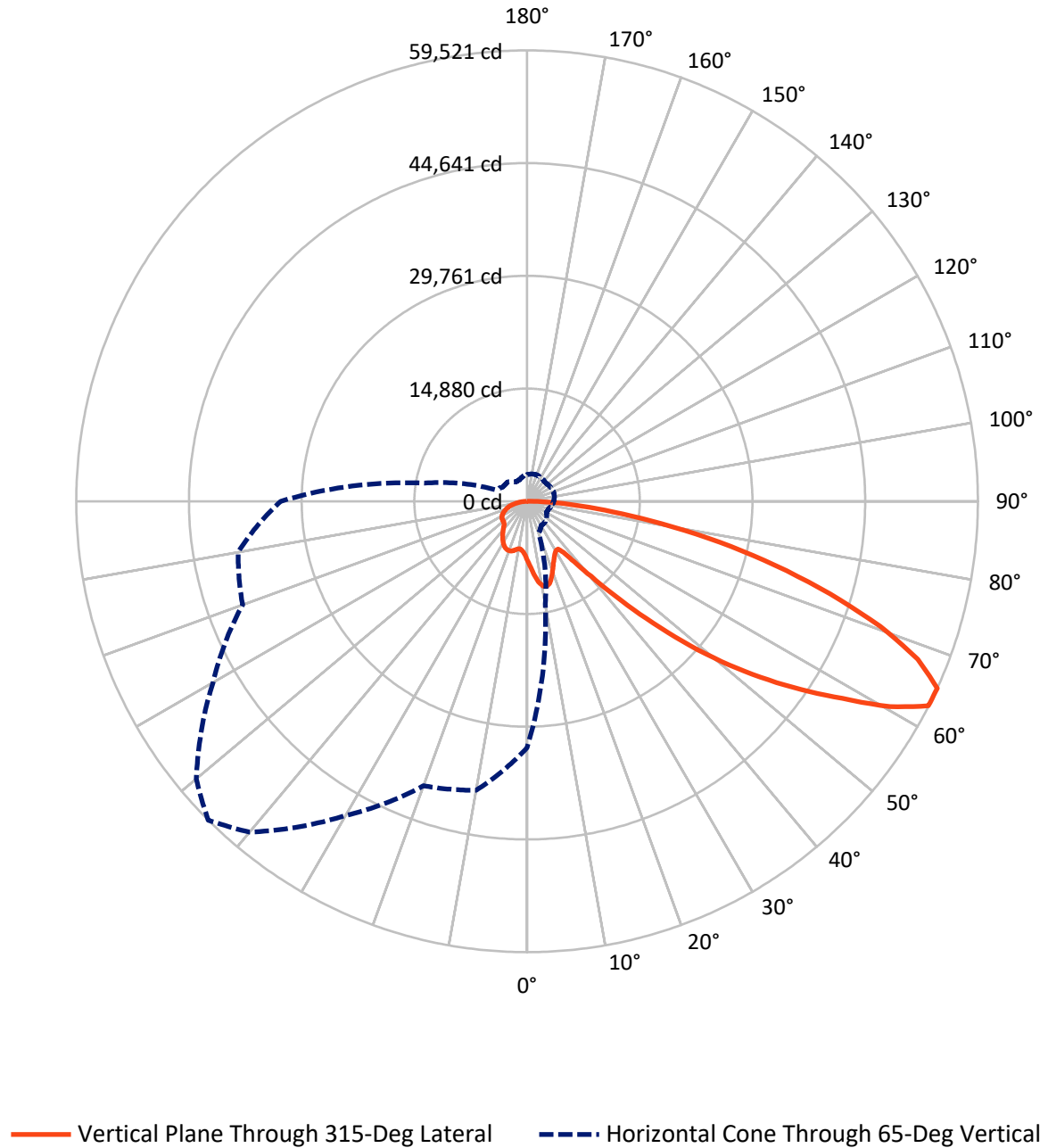
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	14494.4	0.0	14494.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	42536.6	0.0	42536.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	57031.0	0.0	57031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.9	1.4
10°-20°	2442.1	4.3
20°-30°	3772.2	6.6
30°-40°	4780.4	8.4
40°-50°	7210.0	12.6
50°-60°	11648.9	20.4
60°-70°	14522.2	25.5
70°-80°	9522.9	16.7
80°-90°	2354.3	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°	57031.0	100.0
0°-180°	57031.0	100.0

Coefficient of Utilization



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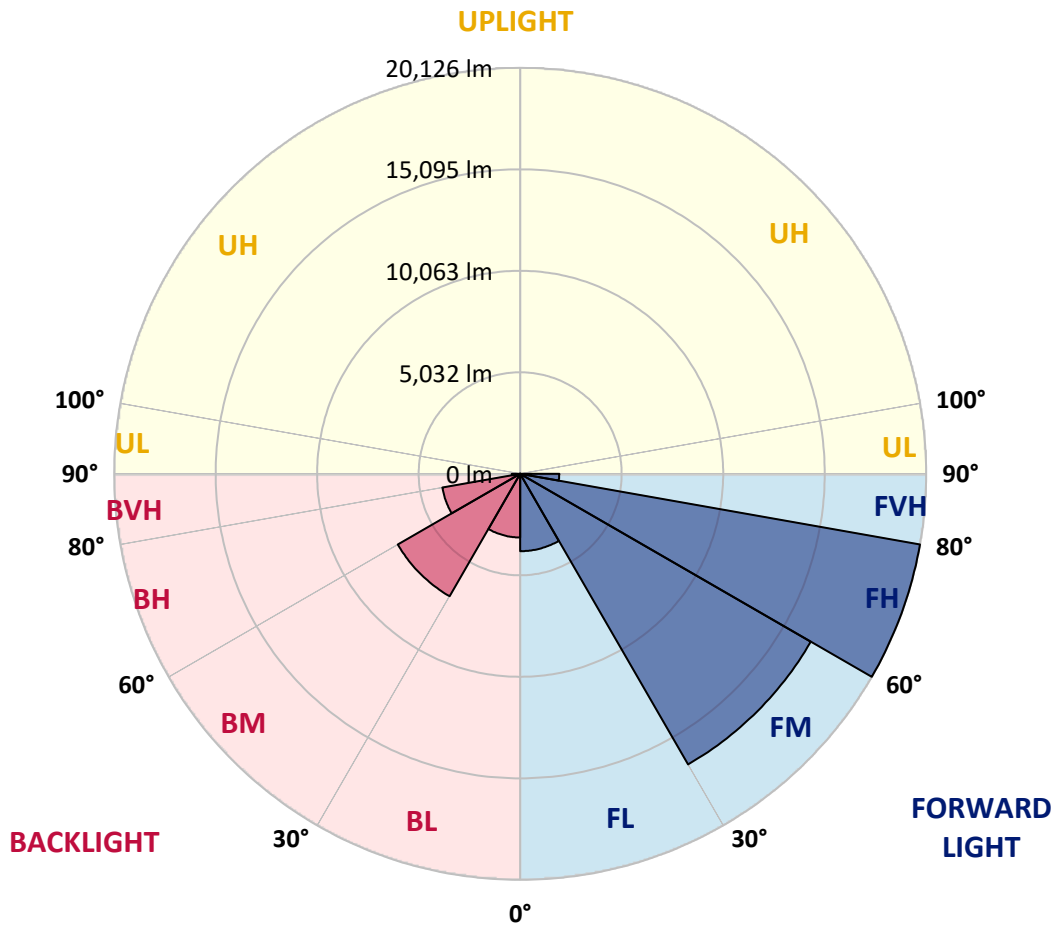
CATALOG NUMBER: GALN-SB6D-835-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3836.0	6.7			
FM (30°-60°)	16634.7	29.2			
FH (60°-80°)	20126.5	35.3			G5
FVH (80°-90°)	1939.4	3.4			G5
BL (0°-30°)	3156.3	5.5	B4/5000		
BM (30°-60°)	7004.6	12.3	B4/8500		
BH (60°-80°)	3918.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	414.9	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°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
2.5°	8433.6	8368.9	8304.2	8235.3	8166.7	8097.4	8028.2	7962.0	7895.8	7831.7
5°	9068.5	8925.6	8782.7	8640.0	8497.7	8354.1	8210.9	8077.0	7943.1	7816.7
7.5°	9706.5	9470.6	9235.0	9017.1	8799.2	8587.1	8374.9	8188.0	8001.1	7828.7
10°	10195.5	9897.3	9599.1	9311.1	9023.4	8765.8	8507.9	8287.0	8065.5	7852.8
12.5°	10495.0	10167.2	9839.8	9513.6	9187.4	8883.5	8579.5	8329.5	8079.4	7855.8
15°	10677.0	10335.5	9993.9	9640.0	9286.1	8936.1	8586.2	8296.7	8007.2	7759.5
17.5°	10779.3	10433.0	10086.6	9700.5	9314.4	8908.2	8501.9	8153.7	7805.5	7514.2
20°	10892.2	10532.3	10172.1	9747.7	9323.4	8831.1	8338.8	7907.3	7475.7	7136.6
22.5°	11023.1	10655.4	10287.3	9811.5	9335.5	8736.6	8137.8	7618.1	7098.4	6712.3
25°	11191.6	10831.1	10470.9	9927.1	9383.0	8643.3	7903.9	7295.2	6686.7	6291.0
27.5°	11420.3	11076.7	10732.7	10107.7	9482.3	8581.0	7679.8	6999.9	6320.1	5959.9
30°	11728.8	11396.5	11064.6	10341.5	9618.3	8551.8	7484.7	6753.2	6021.6	5719.2
32.5°	12092.9	11764.0	11435.4	10585.5	9735.7	8515.7	7295.2	6540.4	5785.4	5541.6
35°	12535.3	12220.5	11905.4	10863.6	9821.8	8447.7	7074.3	6331.3	5588.3	5385.2
37.5°	13280.1	12878.6	12477.2	11175.1	9872.9	8331.3	6789.6	6085.1	5380.6	5203.1
40°	14405.6	13820.5	13235.5	11570.5	9905.1	8170.9	6436.9	5791.4	5145.9	4984.9
42.5°	15898.2	15053.8	14209.3	12087.8	9966.2	8005.4	6045.1	5467.3	4889.5	4741.2
45°	17741.4	16602.3	15463.3	12768.5	10073.7	7851.6	5629.8	5123.0	4616.3	4465.8
47.5°	20046.5	18443.4	16840.1	13493.7	10147.4	7724.6	5301.8	4850.7	4399.6	4205.5
50°	23067.8	20651.1	18234.0	14166.6	10099.2	7586.2	5073.1	4669.8	4266.6	4011.4
52.5°	26536.1	22970.0	19404.0	14603.6	9802.8	7352.3	4902.2	4550.7	4199.5	3906.1
55°	30228.5	25026.0	19823.8	14507.3	9190.4	6964.7	4739.1	4464.3	4189.6	3916.6
57.5°	33586.9	26483.1	19379.3	13829.6	8280.1	6418.2	4556.1	4362.0	4167.9	3927.1
60°	35616.7	26847.2	18077.5	12568.4	7059.2	5708.7	4358.1	4205.5	4052.9	3894.0
62.5°	34586.0	25314.0	16042.0	10863.0	5684.0	4859.4	4034.9	3933.5	3832.4	3812.8
65°	32523.1	23144.6	13766.1	9123.0	4480.3	4095.4	3710.5	3662.6	3614.8	3617.2
67.5°	29759.0	20562.9	11366.8	7418.5	3470.3	3361.1	3251.6	3278.3	3304.8	3298.2
70°	26438.3	17745.9	9053.5	5841.1	2628.6	2659.9	2690.9	2814.9	2938.6	2938.6
72.5°	22481.0	14692.0	6903.3	4465.5	2027.7	2121.9	2216.4	2392.1	2567.5	2597.0
75°	17475.0	11191.3	4907.6	3241.0	1574.5	1659.9	1745.4	1942.2	2139.0	2275.0
77.5°	12485.6	7832.9	3180.2	2196.2	1212.1	1270.2	1328.6	1519.7	1710.8	1935.0
80°	8171.8	5046.6	1921.4	1415.0	908.8	932.9	957.0	1118.9	1280.5	1548.3
82.5°	4750.2	2920.8	1091.8	870.3	649.4	653.6	658.4	777.6	896.8	1125.5
85°	2090.0	1313.9	538.1	465.2	392.7	390.6	388.2	475.5	562.7	732.8
87.5°	647.0	430.3	213.7	192.9	172.1	170.0	167.9	203.4	239.2	310.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
7760.4	2.5°	7702.6	7645.1	7593.1	7541.3	7495.9	7450.4	7404.7	7359.3	7324.1	7288.5
7691.8	5°	7582.9	7473.6	7382.1	7290.9	7210.3	7129.6	7056.5	6983.1	6926.8	6870.2
7667.1	7.5°	7522.1	7377.3	7256.9	7136.6	7035.2	6933.4	6843.8	6754.4	6687.3	6620.5
7679.1	10°	7526.3	7373.4	7253.0	7132.7	7023.4	6913.9	6813.1	6712.3	6632.2	6551.9
7694.2	12.5°	7569.0	7444.4	7364.4	7284.9	7198.9	7113.4	7009.0	6904.9	6802.5	6700.2
7630.1	15°	7570.2	7510.6	7521.5	7532.3	7510.0	7487.8	7397.2	7306.6	7160.9	7015.3
7434.5	17.5°	7456.5	7478.1	7609.3	7740.5	7810.4	7879.9	7806.7	7733.9	7541.0	7348.1
7115.5	20°	7217.8	7320.1	7547.9	7776.0	7922.0	8068.0	8034.2	8000.2	7779.7	7559.4
6753.5	22.5°	6904.9	7056.2	7316.2	7576.8	7766.7	7956.6	7977.1	7997.2	7786.6	7575.9
6402.3	25°	6576.8	6751.4	6985.2	7219.3	7406.2	7593.1	7662.9	7732.4	7559.7	7387.2
6095.4	27.5°	6263.9	6432.4	6624.7	6816.7	6966.5	7116.4	7194.0	7272.0	7148.9	7026.1
5825.4	30°	5959.0	6093.2	6252.7	6412.2	6536.5	6661.1	6724.3	6787.5	6693.9	6600.0
5588.9	32.5°	5668.0	5747.2	5874.5	6002.1	6121.2	6240.7	6310.8	6381.2	6295.2	6208.8
5365.6	35°	5387.3	5409.2	5506.4	5603.3	5721.3	5839.6	5923.8	6008.1	5946.7	5885.6
5131.5	37.5°	5107.4	5083.3	5153.1	5222.7	5340.3	5458.3	5562.4	5666.5	5638.2	5609.9
4875.1	40°	4820.6	4766.1	4816.4	4866.7	4980.4	5094.2	5213.9	5334.0	5340.9	5347.5
4602.7	42.5°	4530.5	4458.3	4499.2	4540.4	4648.2	4756.2	4885.6	5015.0	5049.6	5084.2
4331.9	45°	4261.5	4191.4	4225.7	4260.6	4362.9	4465.2	4599.4	4733.6	4783.3	4832.9
4090.2	47.5°	4031.3	3972.3	4004.8	4037.0	4137.2	4237.1	4369.5	4501.9	4559.1	4616.3
3877.5	50°	3825.1	3773.1	3823.6	3874.5	3969.0	4063.2	4181.7	4300.3	4373.7	4447.2
3718.9	52.5°	3667.1	3615.7	3691.8	3767.7	3854.3	3940.7	4051.1	4161.9	4248.8	4335.8
3634.6	55°	3552.8	3471.2	3579.3	3687.0	3780.3	3873.6	3970.5	4067.1	4159.2	4251.5
3584.1	57.5°	3464.9	3345.7	3461.9	3578.1	3687.6	3797.1	3892.8	3988.8	4081.8	4174.5
3536.5	60°	3382.2	3227.5	3329.5	3431.2	3557.0	3682.8	3780.0	3877.5	3970.8	4064.1
3481.2	62.5°	3288.0	3095.1	3159.8	3224.5	3371.0	3517.9	3621.7	3725.5	3811.0	3896.5
3364.4	65°	3159.2	2953.6	2978.6	3003.3	3160.4	3317.8	3417.1	3516.4	3591.6	3666.8
3156.2	67.5°	2985.2	2814.3	2806.5	2798.7	2943.7	3089.1	3183.2	3277.1	3342.1	3407.1
2891.9	70°	2770.4	2648.8	2621.7	2594.6	2722.2	2849.8	2931.1	3012.3	3071.0	3129.7
2597.6	72.5°	2514.3	2430.9	2391.2	2351.8	2452.3	2552.5	2625.9	2699.3	2756.8	2814.3
2263.6	75°	2199.5	2135.1	2097.2	2059.0	2133.6	2208.2	2274.7	2341.2	2393.6	2446.0
1929.0	77.5°	1877.5	1826.0	1787.5	1749.0	1809.8	1870.3	1927.5	1984.6	2039.7	2094.5
1547.4	80°	1504.4	1461.0	1428.8	1396.3	1446.9	1497.1	1545.3	1593.4	1635.3	1676.8
1138.1	82.5°	1117.1	1096.0	1073.1	1050.2	1046.0	1041.8	1025.0	1008.1	1097.2	1186.3
749.3	85°	726.7	704.2	678.6	653.0	631.4	609.4	562.7	516.1	599.5	683.1
331.0	87.5°	322.0	313.0	308.2	303.3	302.4	301.5	266.0	230.2	265.1	300.3
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°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
7260.0	2.5°	7231.4	7209.1	7186.8	7166.4	7145.6	7120.0	7145.6	7166.4	7186.8	7209.1
6830.8	5°	6791.4	6763.4	6735.4	6714.1	6692.7	6671.6	6692.7	6714.1	6735.4	6763.4
6573.5	7.5°	6526.6	6494.4	6462.5	6443.2	6424.3	6409.8	6424.3	6443.2	6462.5	6494.4
6499.5	10°	6446.5	6416.1	6385.7	6369.5	6353.2	6346.6	6353.2	6369.5	6385.7	6416.1
6632.5	12.5°	6564.8	6530.8	6497.1	6483.3	6469.4	6467.0	6469.4	6483.3	6497.1	6530.8
6912.4	15°	6809.5	6762.2	6715.3	6697.2	6679.2	6677.7	6679.2	6697.2	6715.3	6762.2
7196.5	17.5°	7044.8	6975.0	6904.9	6882.0	6858.8	6855.2	6858.8	6882.0	6904.9	6975.0
7373.4	20°	7187.7	7098.4	7008.7	6980.1	6951.5	6942.5	6951.5	6980.1	7008.7	7098.4
7384.5	22.5°	7192.8	7098.7	7004.2	6972.6	6941.0	6927.4	6941.0	6972.6	7004.2	7098.7
7216.9	25°	7047.2	6965.3	6883.8	6854.0	6824.5	6807.1	6824.5	6854.0	6883.8	6965.3
6894.0	27.5°	6761.9	6707.1	6652.1	6638.5	6625.0	6620.5	6625.0	6638.5	6652.1	6707.1
6505.5	30°	6410.4	6382.4	6354.2	6354.2	6354.2	6358.7	6354.2	6354.2	6354.2	6382.4
6133.3	32.5°	6057.7	6039.4	6021.0	6023.4	6026.1	6030.7	6026.1	6023.4	6021.0	6039.4
5815.8	35°	5746.3	5718.3	5690.6	5684.6	5678.6	5675.6	5678.6	5684.6	5690.6	5718.3
5545.9	37.5°	5481.5	5430.6	5380.0	5353.3	5326.5	5311.4	5326.5	5353.3	5380.0	5430.6
5293.1	40°	5238.6	5164.6	5091.1	5041.2	4991.8	4962.3	4991.8	5041.2	5091.1	5164.6
5038.2	42.5°	4992.4	4900.7	4808.9	4736.3	4663.8	4616.3	4663.8	4736.3	4808.9	4900.7
4791.4	45°	4750.2	4645.2	4540.4	4455.3	4370.1	4315.3	4370.1	4455.3	4540.4	4645.2
4587.4	47.5°	4558.5	4465.2	4371.9	4293.1	4214.5	4161.9	4214.5	4293.1	4371.9	4465.2
4445.3	50°	4444.1	4369.5	4294.9	4222.1	4149.2	4098.7	4149.2	4222.1	4294.9	4369.5
4351.5	52.5°	4367.1	4306.3	4245.5	4180.2	4115.2	4068.6	4115.2	4180.2	4245.5	4306.3
4273.2	55°	4294.9	4241.9	4189.0	4131.8	4074.6	4032.5	4074.6	4131.8	4189.0	4241.9
4196.5	57.5°	4218.4	4164.9	4111.3	4054.7	3997.9	3954.2	3997.9	4054.7	4111.3	4164.9
4088.1	60°	4112.2	4059.9	4007.8	3949.4	3891.0	3845.9	3891.0	3949.4	4007.8	4059.9
3919.6	62.5°	3942.8	3895.5	3848.3	3786.9	3725.5	3671.4	3725.5	3786.9	3848.3	3895.5
3690.6	65°	3714.1	3668.6	3623.2	3563.6	3504.3	3457.7	3504.3	3563.6	3623.2	3668.6
3430.3	67.5°	3453.2	3411.4	3369.8	3314.5	3259.1	3216.9	3259.1	3314.5	3369.8	3411.4
3151.9	70°	3174.2	3140.2	3106.2	3053.2	3000.3	2952.1	3000.3	3053.2	3106.2	3140.2
2840.8	72.5°	2867.3	2839.0	2810.7	2760.1	2709.9	2663.2	2709.9	2760.1	2810.7	2839.0
2473.7	75°	2501.3	2487.5	2473.7	2431.2	2388.8	2344.3	2388.8	2431.2	2473.7	2487.5
2120.4	77.5°	2146.2	2127.0	2107.1	2064.4	2021.7	1986.1	2021.7	2064.4	2107.1	2127.0
1711.1	80°	1745.4	1737.0	1728.8	1671.4	1613.6	1546.8	1613.6	1671.4	1728.8	1737.0
1244.6	82.5°	1303.0	1299.4	1295.5	1247.1	1198.3	1155.6	1198.3	1247.1	1295.5	1299.4
755.3	85°	827.6	821.5	815.5	777.6	739.7	701.2	739.7	777.6	815.5	821.5
329.5	87.5°	358.7	351.5	343.7	324.4	304.5	285.9	304.5	324.4	343.7	351.5
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°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
7231.4	2.5°	7260.0	7288.5	7324.1	7359.3	7404.7	7450.4	7495.9	7541.3	7593.1	7645.1
6791.4	5°	6830.8	6870.2	6926.8	6983.1	7056.5	7129.6	7210.3	7290.9	7382.1	7473.6
6526.6	7.5°	6573.5	6620.5	6687.3	6754.4	6843.8	6933.4	7035.2	7136.6	7256.9	7377.3
6446.5	10°	6499.5	6551.9	6632.2	6712.3	6813.1	6913.9	7023.4	7132.7	7253.0	7373.4
6564.8	12.5°	6632.5	6700.2	6802.5	6904.9	7009.0	7113.4	7198.9	7284.9	7364.4	7444.4
6809.5	15°	6912.4	7015.3	7160.9	7306.6	7397.2	7487.8	7510.0	7532.3	7521.5	7510.6
7044.8	17.5°	7196.5	7348.1	7541.0	7733.9	7806.7	7879.9	7810.4	7740.5	7609.3	7478.1
7187.7	20°	7373.4	7559.4	7779.7	8000.2	8034.2	8068.0	7922.0	7776.0	7547.9	7320.1
7192.8	22.5°	7384.5	7575.9	7786.6	7997.2	7977.1	7956.6	7766.7	7576.8	7316.2	7056.2
7047.2	25°	7216.9	7387.2	7559.7	7732.4	7662.9	7593.1	7406.2	7219.3	6985.2	6751.4
6761.9	27.5°	6894.0	7026.1	7148.9	7272.0	7194.0	7116.4	6966.5	6816.7	6624.7	6432.4
6410.4	30°	6505.5	6600.0	6693.9	6787.5	6724.3	6661.1	6536.5	6412.2	6252.7	6093.2
6057.7	32.5°	6133.3	6208.8	6295.2	6381.2	6310.8	6240.7	6121.2	6002.1	5874.5	5747.2
5746.3	35°	5815.8	5885.6	5946.7	6008.1	5923.8	5839.6	5721.3	5603.3	5506.4	5409.2
5481.5	37.5°	5545.9	5609.9	5638.2	5666.5	5562.4	5458.3	5340.3	5222.7	5153.1	5083.3
5238.6	40°	5293.1	5347.5	5340.9	5334.0	5213.9	5094.2	4980.4	4866.7	4816.4	4766.1
4992.4	42.5°	5038.2	5084.2	5049.6	5015.0	4885.6	4756.2	4648.2	4540.4	4499.2	4458.3
4750.2	45°	4791.4	4832.9	4783.3	4733.6	4599.4	4465.2	4362.9	4260.6	4225.7	4191.4
4558.5	47.5°	4587.4	4616.3	4559.1	4501.9	4369.5	4237.1	4137.2	4037.0	4004.8	3972.3
4444.1	50°	4445.3	4447.2	4373.7	4300.3	4181.7	4063.2	3969.0	3874.5	3823.6	3773.1
4367.1	52.5°	4351.5	4335.8	4248.8	4161.9	4051.1	3940.7	3854.3	3767.7	3691.8	3615.7
4294.9	55°	4273.2	4251.5	4159.2	4067.1	3970.5	3873.6	3780.3	3687.0	3579.3	3471.2
4218.4	57.5°	4196.5	4174.5	4081.8	3988.8	3892.8	3797.1	3687.6	3578.1	3461.9	3345.7
4112.2	60°	4088.1	4064.1	3970.8	3877.5	3780.0	3682.8	3557.0	3431.2	3329.5	3227.5
3942.8	62.5°	3919.6	3896.5	3811.0	3725.5	3621.7	3517.9	3371.0	3224.5	3159.8	3095.1
3714.1	65°	3690.6	3666.8	3591.6	3516.4	3417.1	3317.8	3160.4	3003.3	2978.6	2953.6
3453.2	67.5°	3430.3	3407.1	3342.1	3277.1	3183.2	3089.1	2943.7	2798.7	2806.5	2814.3
3174.2	70°	3151.9	3129.7	3071.0	3012.3	2931.1	2849.8	2722.2	2594.6	2621.7	2648.8
2867.3	72.5°	2840.8	2814.3	2756.8	2699.3	2625.9	2552.5	2452.3	2351.8	2391.2	2430.9
2501.3	75°	2473.7	2446.0	2393.6	2341.2	2274.7	2208.2	2133.6	2059.0	2097.2	2135.1
2146.2	77.5°	2120.4	2094.5	2039.7	1984.6	1927.5	1870.3	1809.8	1749.0	1787.5	1826.0
1745.4	80°	1711.1	1676.8	1635.3	1593.4	1545.3	1497.1	1446.9	1396.3	1428.8	1461.0
1303.0	82.5°	1244.6	1186.3	1097.2	1008.1	1025.0	1041.8	1046.0	1050.2	1073.1	1096.0
827.6	85°	755.3	683.1	599.5	516.1	562.7	609.4	631.4	653.0	678.6	704.2
358.7	87.5°	329.5	300.3	265.1	230.2	266.0	301.5	302.4	303.3	308.2	313.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
7702.6	2.5°	7760.4	7831.7	7895.8	7962.0	8028.2	8097.4	8166.7	8235.3	8304.2	8368.9
7582.9	5°	7691.8	7816.7	7943.1	8077.0	8210.9	8354.1	8497.7	8640.0	8782.7	8925.6
7522.1	7.5°	7667.1	7828.7	8001.1	8188.0	8374.9	8587.1	8799.2	9017.1	9235.0	9470.6
7526.3	10°	7679.1	7852.8	8065.5	8287.0	8507.9	8765.8	9023.4	9311.1	9599.1	9897.3
7569.0	12.5°	7694.2	7855.8	8079.4	8329.5	8579.5	8883.5	9187.4	9513.6	9839.8	10167.2
7570.2	15°	7630.1	7759.5	8007.2	8296.7	8586.2	8936.1	9286.1	9640.0	9993.9	10335.5
7456.5	17.5°	7434.5	7514.2	7805.5	8153.7	8501.9	8908.2	9314.4	9700.5	10086.6	10433.0
7217.8	20°	7115.5	7136.6	7475.7	7907.3	8338.8	8831.1	9323.4	9747.7	10172.1	10532.3
6904.9	22.5°	6753.5	6712.3	7098.4	7618.1	8137.8	8736.6	9335.5	9811.5	10287.3	10655.4
6576.8	25°	6402.3	6291.0	6686.7	7295.2	7903.9	8643.3	9383.0	9927.1	10470.9	10831.1
6263.9	27.5°	6095.4	5959.9	6320.1	6999.9	7679.8	8581.0	9482.3	10107.7	10732.7	11076.7
5959.0	30°	5825.4	5719.2	6021.6	6753.2	7484.7	8551.8	9618.3	10341.5	11064.6	11396.5
5668.0	32.5°	5588.9	5541.6	5785.4	6540.4	7295.2	8515.7	9735.7	10585.5	11435.4	11764.0
5387.3	35°	5365.6	5385.2	5588.3	6331.3	7074.3	8447.7	9821.8	10863.6	11905.4	12220.5
5107.4	37.5°	5131.5	5203.1	5380.6	6085.1	6789.6	8331.3	9872.9	11175.1	12477.2	12878.6
4820.6	40°	4875.1	4984.9	5145.9	5791.4	6436.9	8170.9	9905.1	11570.5	13235.5	13820.5
4530.5	42.5°	4602.7	4741.2	4889.5	5467.3	6045.1	8005.4	9966.2	12087.8	14209.3	15053.8
4261.5	45°	4331.9	4465.8	4616.3	5123.0	5629.8	7851.6	10073.7	12768.5	15463.3	16602.3
4031.3	47.5°	4090.2	4205.5	4399.6	4850.7	5301.8	7724.6	10147.4	13493.7	16840.1	18443.4
3825.1	50°	3877.5	4011.4	4266.6	4669.8	5073.1	7586.2	10099.2	14166.6	18234.0	20651.1
3667.1	52.5°	3718.9	3906.1	4199.5	4550.7	4902.2	7352.3	9802.8	14603.6	19404.0	22970.0
3552.8	55°	3634.6	3916.6	4189.6	4464.3	4739.1	6964.7	9190.4	14507.3	19823.8	25026.0
3464.9	57.5°	3584.1	3927.1	4167.9	4362.0	4556.1	6418.2	8280.1	13829.6	19379.3	26483.1
3382.2	60°	3536.5	3894.0	4052.9	4205.5	4358.1	5708.7	7059.2	12568.4	18077.5	26847.2
3288.0	62.5°	3481.2	3812.8	3832.4	3933.5	4034.9	4859.4	5684.0	10863.0	16042.0	25314.0
3159.2	65°	3364.4	3617.2	3614.8	3662.6	3710.5	4095.4	4480.3	9123.0	13766.1	23144.6
2985.2	67.5°	3156.2	3298.2	3304.8	3278.3	3251.6	3361.1	3470.3	7418.5	11366.8	20562.9
2770.4	70°	2891.9	2938.6	2938.6	2814.9	2690.9	2659.9	2628.6	5841.1	9053.5	17745.9
2514.3	72.5°	2597.6	2597.0	2567.5	2392.1	2216.4	2121.9	2027.7	4465.5	6903.3	14692.0
2199.5	75°	2263.6	2275.0	2139.0	1942.2	1745.4	1659.9	1574.5	3241.0	4907.6	11191.3
1877.5	77.5°	1929.0	1935.0	1710.8	1519.7	1328.6	1270.2	1212.1	2196.2	3180.2	7832.9
1504.4	80°	1547.4	1548.3	1280.5	1118.9	957.0	932.9	908.8	1415.0	1921.4	5046.6
1117.1	82.5°	1138.1	1125.5	896.8	777.6	658.4	653.6	649.4	870.3	1091.8	2920.8
726.7	85°	749.3	732.8	562.7	475.5	388.2	390.6	392.7	465.2	538.1	1313.9
322.0	87.5°	331.0	310.0	239.2	203.4	167.9	170.0	172.1	192.9	213.7	430.3
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°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
8433.6	2.5°	8465.5	8497.7	8543.1	8588.6	8615.6	8642.7	8656.3	8669.8	8663.8	8669.8
9068.5	5°	9180.2	9292.1	9402.9	9513.9	9574.1	9634.3	9670.7	9707.4	9735.1	9707.4
9706.5	7.5°	9888.3	10069.7	10233.1	10396.6	10495.0	10593.4	10646.6	10699.6	10725.2	10699.6
10195.5	10°	10410.4	10625.3	10817.0	11008.6	11124.8	11240.4	11292.1	11343.6	11363.1	11343.6
10495.0	12.5°	10727.9	10960.5	11133.8	11306.6	11390.8	11475.1	11503.4	11531.7	11534.7	11531.7
10677.0	15°	10878.0	11078.8	11187.4	11296.3	11299.3	11302.4	11272.3	11242.2	11206.7	11242.2
10779.3	17.5°	10915.1	11050.8	11052.9	11054.7	10932.8	10810.9	10699.3	10587.3	10508.5	10587.3
10892.2	20°	10939.4	10987.0	10844.0	10701.1	10432.1	10163.0	9967.1	9771.2	9650.8	9771.2
11023.1	22.5°	10961.1	10899.1	10603.0	10306.9	9911.2	9515.4	9270.5	9025.5	8892.5	9025.5
11191.6	25°	10996.0	10800.4	10350.8	9901.2	9420.6	8940.0	8682.5	8425.5	8299.7	8425.5
11420.3	27.5°	11070.6	10720.7	10125.1	9529.9	8997.2	8464.6	8211.2	7958.1	7839.2	7958.1
11728.8	30°	11207.3	10686.0	9953.0	9219.9	8665.0	8110.1	7875.1	7640.0	7529.3	7640.0
12092.9	32.5°	11378.8	10665.0	9835.6	9006.3	8484.7	7963.2	7778.8	7594.0	7514.2	7594.0
12535.3	35°	11661.4	10787.8	9923.5	9059.5	8697.2	8335.2	8292.1	8249.1	8242.5	8249.1
13280.1	37.5°	12252.1	11224.1	10438.7	9653.3	9629.8	9606.3	9803.1	9999.9	10102.2	9999.9
14405.6	40°	13287.6	12169.6	11585.5	11001.4	11413.7	11826.0	12304.5	12782.9	13021.3	12782.9
15898.2	42.5°	14788.9	13679.7	13343.3	13006.8	13906.0	14805.2	15675.5	16545.8	17056.8	16545.8
17741.4	45°	16745.0	15748.3	15599.9	15451.3	16891.8	18332.7	19762.7	21193.0	22061.2	21193.0
20046.5	47.5°	19077.2	18107.6	18077.5	18047.4	20125.6	22203.3	24296.8	26390.1	27619.4	26390.1
23067.8	50°	21870.4	20673.3	20678.5	20683.6	23361.9	26040.1	28803.6	31567.0	33237.8	31567.0
26536.1	52.5°	25086.2	23636.6	23490.0	23343.2	26542.4	29741.6	33160.8	36579.6	38582.3	36579.6
30228.5	55°	28796.1	27363.6	26792.2	26220.7	29781.3	33341.6	37417.7	41493.8	43875.7	41493.8
33586.9	57.5°	32806.9	32026.5	30880.3	29734.4	33329.6	36924.8	41541.7	46158.3	49111.9	46158.3
35616.7	60°	36828.2	38040.0	36616.6	35193.2	38595.6	41997.9	46941.0	51884.1	55076.3	51884.1
34586.0	62.5°	37896.5	41207.0	41046.6	40885.9	44002.7	47119.7	51822.7	56525.3	59475.9	56525.3
32523.1	65°	35630.2	38737.3	39352.1	39966.6	43927.5	47888.6	52448.9	57008.9	59521.1	57008.9
29759.0	67.5°	32714.2	35669.3	35957.6	36245.6	40372.6	44499.2	49079.1	53659.0	55627.0	53659.0
26438.3	70°	29652.5	32867.0	32995.8	33124.9	36815.6	40505.9	44447.2	48388.1	49482.0	48388.1
22481.0	72.5°	26169.5	29858.3	29951.0	30043.4	32930.8	35818.3	38770.1	41721.6	41832.4	41721.6
17475.0	75°	21292.7	25110.3	25453.0	25795.8	28042.2	30288.7	32366.6	34444.5	33887.8	34444.5
12485.6	77.5°	16049.2	19613.2	20103.7	20594.2	22302.0	24009.8	25483.4	26957.4	26000.4	26957.4
8171.8	80°	11169.9	14167.8	14777.5	15387.2	16677.0	17966.2	18740.2	19513.9	17974.6	19513.9
4750.2	82.5°	6799.8	8849.8	9530.8	10212.1	11099.8	11987.6	12310.5	12633.1	11423.3	12633.1
2090.0	85°	3177.8	4265.7	4845.0	5424.3	6153.7	6882.9	7066.2	7249.4	6280.4	7249.4
647.0	87.5°	1012.6	1378.3	1701.5	2024.7	2389.4	2754.1	2769.8	2785.1	2338.2	2785.1
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°
7842.3	0°	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3	7842.3
8656.3	2.5°	8642.7	8615.6	8588.6	8543.1	8497.7	8465.5	8433.6
9670.7	5°	9634.3	9574.1	9513.9	9402.9	9292.1	9180.2	9068.5
10646.6	7.5°	10593.4	10495.0	10396.6	10233.1	10069.7	9888.3	9706.5
11292.1	10°	11240.4	11124.8	11008.6	10817.0	10625.3	10410.4	10195.5
11503.4	12.5°	11475.1	11390.8	11306.6	11133.8	10960.5	10727.9	10495.0
11272.3	15°	11302.4	11299.3	11296.3	11187.4	11078.8	10878.0	10677.0
10699.3	17.5°	10810.9	10932.8	11054.7	11052.9	11050.8	10915.1	10779.3
9967.1	20°	10163.0	10432.1	10701.1	10844.0	10987.0	10939.4	10892.2
9270.5	22.5°	9515.4	9911.2	10306.9	10603.0	10899.1	10961.1	11023.1
8682.5	25°	8940.0	9420.6	9901.2	10350.8	10800.4	10996.0	11191.6
8211.2	27.5°	8464.6	8997.2	9529.9	10125.1	10720.7	11070.6	11420.3
7875.1	30°	8110.1	8665.0	9219.9	9953.0	10686.0	11207.3	11728.8
7778.8	32.5°	7963.2	8484.7	9006.3	9835.6	10665.0	11378.8	12092.9
8292.1	35°	8335.2	8697.2	9059.5	9923.5	10787.8	11661.4	12535.3
9803.1	37.5°	9606.3	9629.8	9653.3	10438.7	11224.1	12252.1	13280.1
12304.5	40°	11826.0	11413.7	11001.4	11585.5	12169.6	13287.6	14405.6
15675.5	42.5°	14805.2	13906.0	13006.8	13343.3	13679.7	14788.9	15898.2
19762.7	45°	18332.7	16891.8	15451.3	15599.9	15748.3	16745.0	17741.4
24296.8	47.5°	22203.3	20125.6	18047.4	18077.5	18107.6	19077.2	20046.5
28803.6	50°	26040.1	23361.9	20683.6	20678.5	20673.3	21870.4	23067.8
33160.8	52.5°	29741.6	26542.4	23343.2	23490.0	23636.6	25086.2	26536.1
37417.7	55°	33341.6	29781.3	26220.7	26792.2	27363.6	28796.1	30228.5
41541.7	57.5°	36924.8	33329.6	29734.4	30880.3	32026.5	32806.9	33586.9
46941.0	60°	41997.9	38595.6	35193.2	36616.6	38040.0	36828.2	35616.7
51822.7	62.5°	47119.7	44002.7	40885.9	41046.6	41207.0	37896.5	34586.0
52448.9	65°	47888.6	43927.5	39966.6	39352.1	38737.3	35630.2	32523.1
49079.1	67.5°	44499.2	40372.6	36245.6	35957.6	35669.3	32714.2	29759.0
44447.2	70°	40505.9	36815.6	33124.9	32995.8	32867.0	29652.5	26438.3
38770.1	72.5°	35818.3	32930.8	30043.4	29951.0	29858.3	26169.5	22481.0
32366.6	75°	30288.7	28042.2	25795.8	25453.0	25110.3	21292.7	17475.0
25483.4	77.5°	24009.8	22302.0	20594.2	20103.7	19613.2	16049.2	12485.6
18740.2	80°	17966.2	16677.0	15387.2	14777.5	14167.8	11169.9	8171.8
12310.5	82.5°	11987.6	11099.8	10212.1	9530.8	8849.8	6799.8	4750.2
7066.2	85°	6882.9	6153.7	5424.3	4845.0	4265.7	3177.8	2090.0
2769.8	87.5°	2754.1	2389.4	2024.7	1701.5	1378.3	1012.6	647.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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