

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: P950510

Luminaire Tested: **GALN-SB4D-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950510
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-SB4D-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29447 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

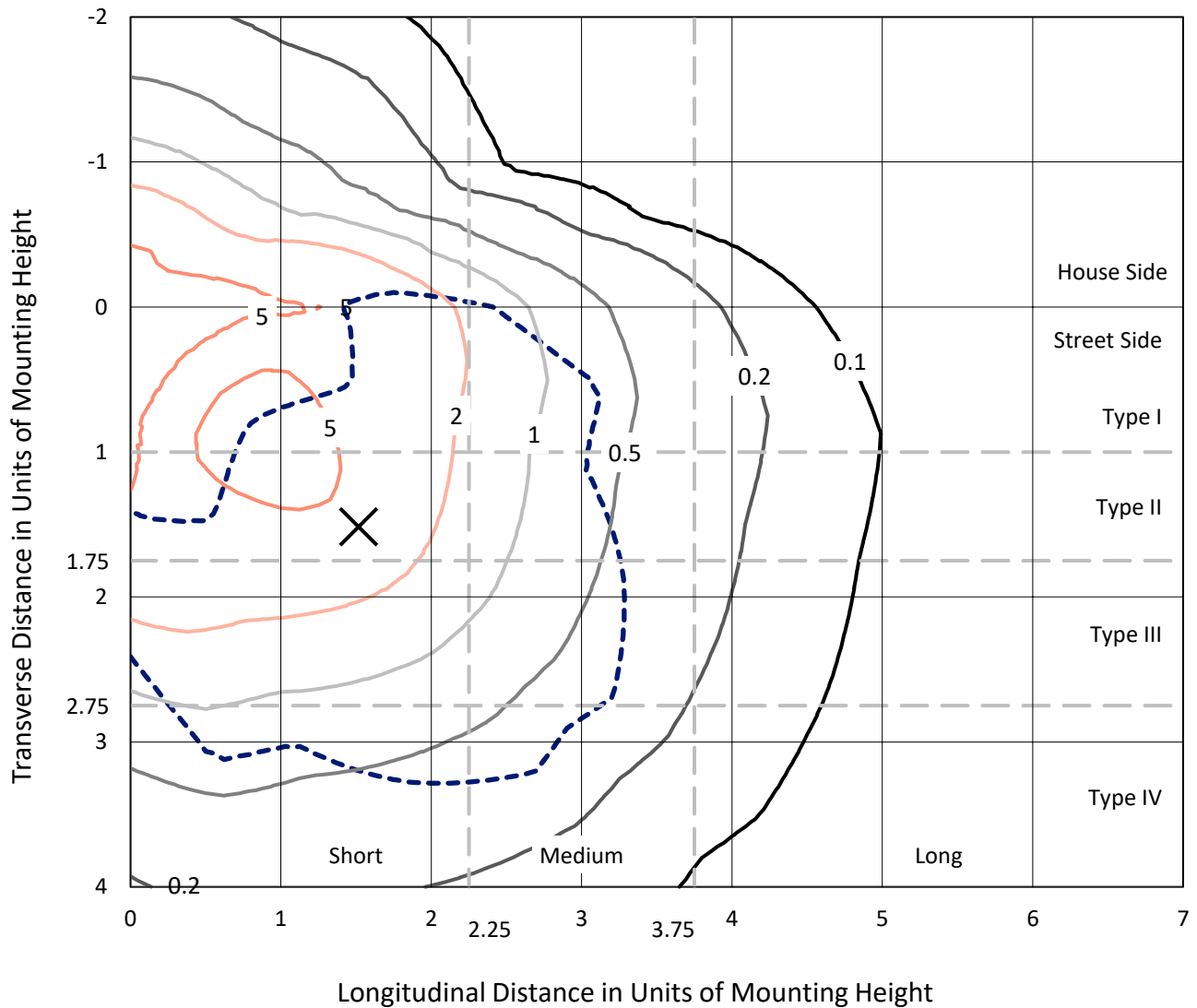
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

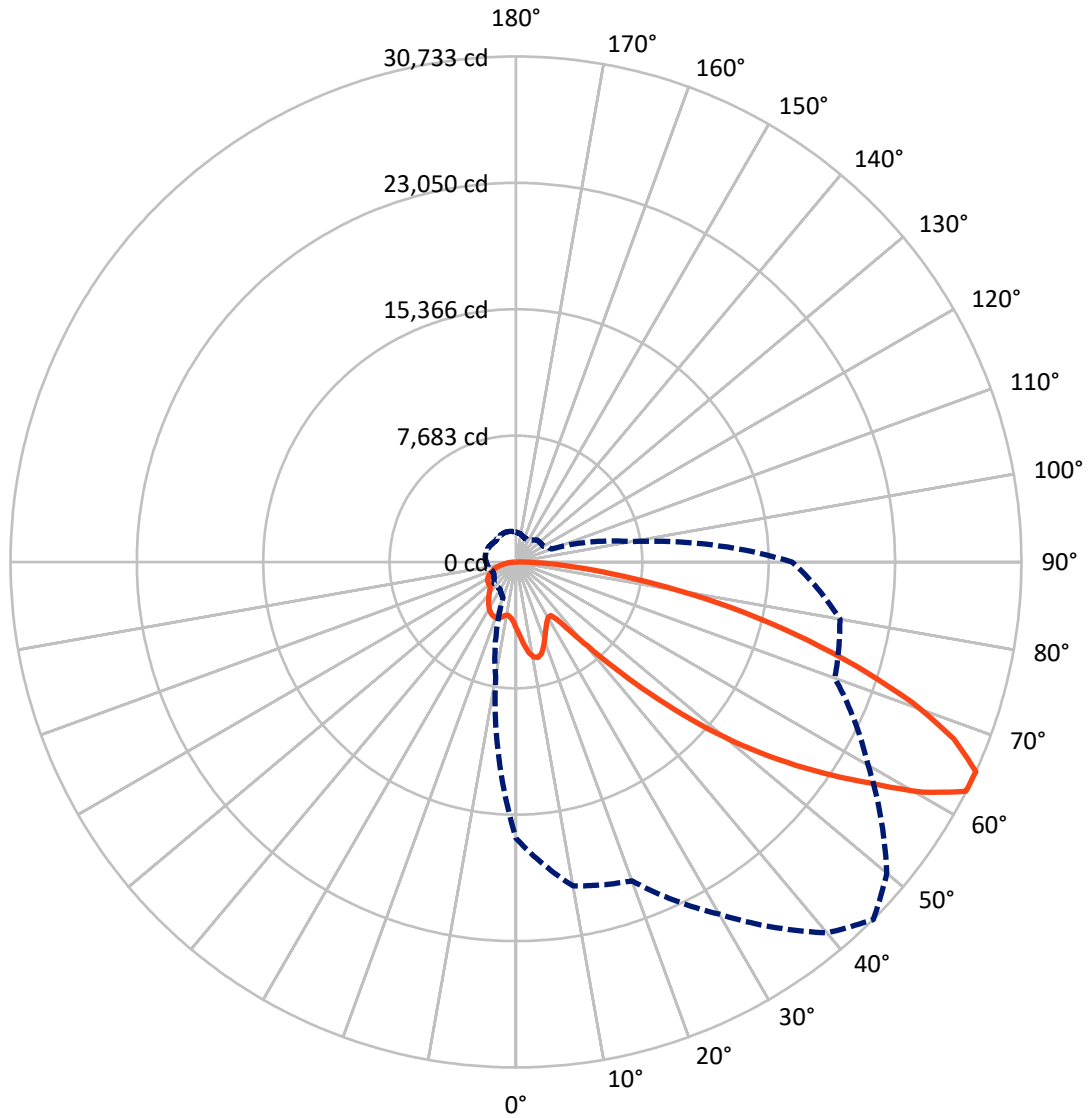
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7483.9	0.0	7483.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21963.1	0.0	21963.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	29447.0	0.0	29447.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.7	1.4
10°-20°	1261.0	4.3
20°-30°	1947.7	6.6
30°-40°	2468.3	8.4
40°-50°	3722.8	12.6
50°-60°	6014.7	20.4
60°-70°	7498.3	25.5
70°-80°	4917.0	16.7
80°-90°	1215.6	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°	29447.0	100.0
0°-180°	29447.0	100.0



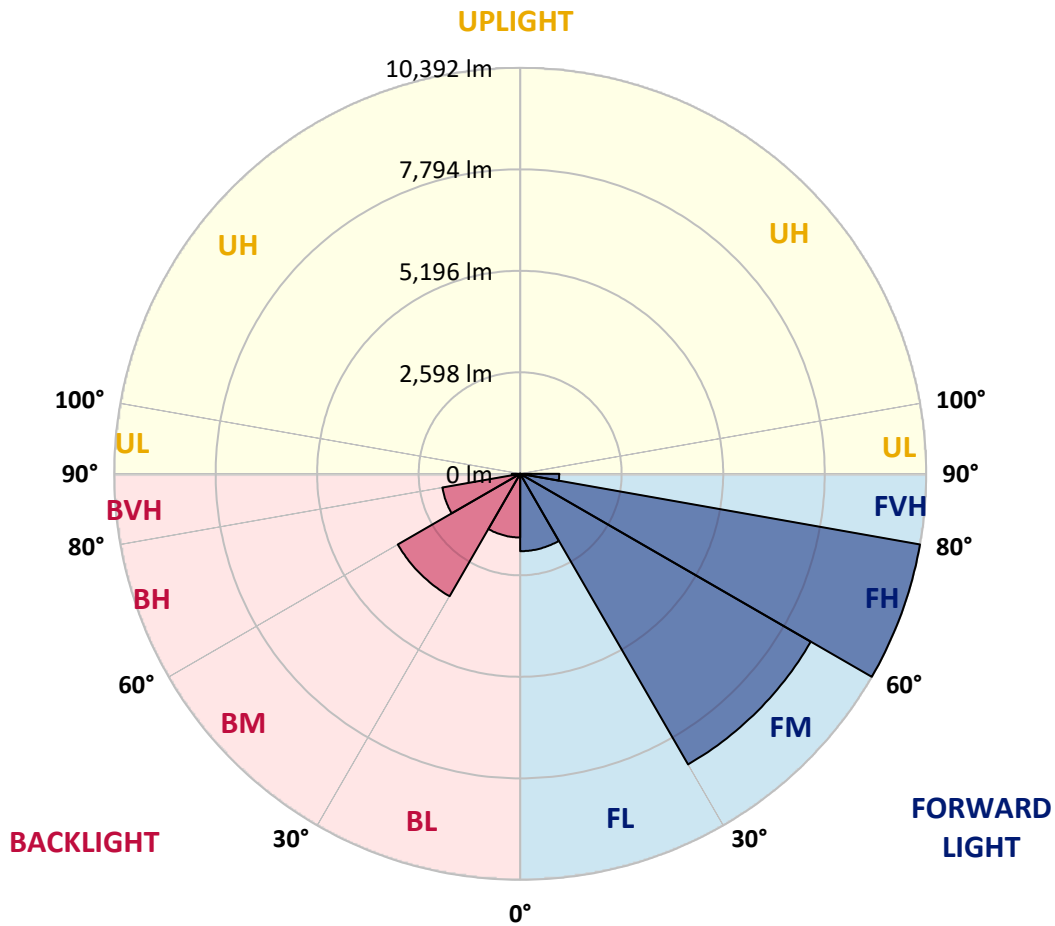
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1980.6	6.7			
FM (30°-60°)	8589.1	29.2			
FH (60°-80°)	10392.0	35.3			G4/12000
FVH (80°-90°)	1001.4	3.4			G5
BL (0°-30°)	1629.7	5.5	B3/2500		
BM (30°-60°)	3616.7	12.3	B3/5000		
BH (60°-80°)	2023.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	214.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
2.5°	4354.5	4371.0	4387.6	4411.1	4434.6	4448.5	4462.5	4469.5	4476.5	4473.4
5°	4682.4	4740.0	4797.8	4855.0	4912.4	4943.4	4974.5	4993.3	5012.3	5026.6
7.5°	5011.8	5105.6	5199.3	5283.7	5368.1	5418.9	5469.7	5497.2	5524.6	5537.8
10°	5264.3	5375.2	5486.2	5585.2	5684.1	5744.1	5803.8	5830.5	5857.1	5867.2
12.5°	5418.9	5539.2	5659.3	5748.8	5838.0	5881.5	5925.0	5939.6	5954.2	5955.7
15°	5512.9	5616.7	5720.3	5776.4	5832.7	5834.2	5835.8	5820.2	5804.7	5786.4
17.5°	5565.7	5635.8	5705.9	5707.0	5707.9	5645.0	5582.0	5524.4	5466.6	5425.9
20°	5624.0	5648.4	5672.9	5599.1	5525.3	5386.4	5247.5	5146.4	5045.2	4983.1
22.5°	5691.6	5659.6	5627.6	5474.7	5321.8	5117.5	4913.1	4786.7	4660.2	4591.5
25°	5778.6	5677.6	5576.6	5344.5	5112.3	4864.2	4616.0	4483.0	4350.3	4285.4
27.5°	5896.7	5716.1	5535.4	5227.9	4920.6	4645.6	4370.5	4239.7	4109.0	4047.7
30°	6056.0	5786.7	5517.6	5139.1	4760.5	4474.0	4187.5	4066.2	3944.8	3887.6
32.5°	6244.0	5875.2	5506.7	5078.5	4650.2	4381.0	4111.7	4016.4	3921.0	3879.9
35°	6472.4	6021.2	5570.1	5123.8	4677.7	4490.7	4303.7	4281.5	4259.3	4255.9
37.5°	6856.9	6326.2	5795.4	5389.8	4984.3	4972.2	4960.1	5061.7	5163.3	5216.1
40°	7438.1	6860.8	6283.6	5982.0	5680.4	5893.3	6106.1	6353.2	6600.3	6723.3
42.5°	8208.8	7636.0	7063.3	6889.6	6715.9	7180.1	7644.4	8093.8	8543.1	8807.0
45°	9160.5	8646.0	8131.4	8054.8	7978.0	8721.8	9465.8	10204.1	10942.7	11390.9
47.5°	10350.7	9850.2	9349.6	9334.0	9318.5	10391.5	11464.3	12545.3	13626.1	14260.8
50°	11910.7	11292.4	10674.3	10677.0	10679.6	12062.5	13445.4	14872.2	16299.1	17161.8
52.5°	13701.5	12952.8	12204.4	12128.7	12052.9	13704.7	15356.6	17122.0	18887.3	19921.3
55°	15608.0	14868.4	14128.7	13833.7	13538.6	15377.1	17215.4	19320.0	21424.6	22654.5
57.5°	17342.0	16939.3	16536.4	15944.5	15352.8	17209.2	19065.5	21449.3	23833.0	25358.1
60°	18390.1	19015.6	19641.3	18906.4	18171.4	19928.2	21684.9	24237.2	26789.5	28437.7
62.5°	17857.9	19567.2	21276.6	21193.7	21110.8	22720.0	24329.5	26757.8	29185.9	30709.4
65°	16792.7	18397.1	20001.4	20318.8	20636.1	22681.2	24726.5	27081.1	29435.6	30732.7
67.5°	15365.6	16891.4	18417.3	18566.1	18714.8	20845.7	22976.4	25341.2	27705.9	28722.1
70°	13651.0	15310.6	16970.3	17036.9	17103.5	19009.1	20914.5	22949.5	24984.4	25549.2
72.5°	11607.7	13512.2	15416.9	15464.7	15512.4	17003.3	18494.2	20018.3	21542.3	21599.4
75°	9022.9	10994.1	12965.3	13142.2	13319.2	14479.1	15639.0	16712.0	17784.9	17497.4
77.5°	6446.7	8286.8	10126.9	10380.2	10633.5	11515.2	12397.0	13157.9	13919.0	13424.9
80°	4219.4	5767.4	7315.3	7630.1	7944.9	8610.9	9276.5	9676.2	10075.6	9280.9
82.5°	2452.7	3511.0	4569.4	4921.1	5272.8	5731.2	6189.6	6356.3	6522.9	5898.2
85°	1079.1	1640.8	2202.5	2501.6	2800.7	3177.4	3553.9	3648.5	3743.1	3242.8
87.5°	334.1	522.9	711.6	878.5	1045.4	1233.7	1422.0	1430.1	1438.0	1207.3
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°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4476.5	2.5°	4469.5	4462.5	4448.5	4434.6	4411.1	4387.6	4371.0	4354.5	4321.1	4287.7
5012.3	5°	4993.3	4974.5	4943.4	4912.4	4855.0	4797.8	4740.0	4682.4	4608.6	4534.8
5524.6	7.5°	5497.2	5469.7	5418.9	5368.1	5283.7	5199.3	5105.6	5011.8	4890.0	4768.3
5857.1	10°	5830.5	5803.8	5744.1	5684.1	5585.2	5486.2	5375.2	5264.3	5110.3	4956.3
5954.2	12.5°	5939.6	5925.0	5881.5	5838.0	5748.8	5659.3	5539.2	5418.9	5249.7	5080.6
5804.7	15°	5820.2	5835.8	5834.2	5832.7	5776.4	5720.3	5616.7	5512.9	5336.5	5160.2
5466.6	17.5°	5524.4	5582.0	5645.0	5707.9	5707.0	5705.9	5635.8	5565.7	5386.9	5208.0
5045.2	20°	5146.4	5247.5	5386.4	5525.3	5599.1	5672.9	5648.4	5624.0	5438.2	5252.2
4660.2	22.5°	4786.7	4913.1	5117.5	5321.8	5474.7	5627.6	5659.6	5691.6	5501.7	5311.7
4350.3	25°	4483.0	4616.0	4864.2	5112.3	5344.5	5576.6	5677.6	5778.6	5592.5	5406.5
4109.0	27.5°	4239.7	4370.5	4645.6	4920.6	5227.9	5535.4	5716.1	5896.7	5719.2	5541.6
3944.8	30°	4066.2	4187.5	4474.0	4760.5	5139.1	5517.6	5786.7	6056.0	5884.4	5713.0
3921.0	32.5°	4016.4	4111.7	4381.0	4650.2	5078.5	5506.7	5875.2	6244.0	6074.1	5904.5
4259.3	35°	4281.5	4303.7	4490.7	4677.7	5123.8	5570.1	6021.2	6472.4	6309.8	6147.2
5163.3	37.5°	5061.7	4960.1	4972.2	4984.3	5389.8	5795.4	6326.2	6856.9	6649.7	6442.4
6600.3	40°	6353.2	6106.1	5893.3	5680.4	5982.0	6283.6	6860.8	7438.1	7136.0	6833.9
8543.1	42.5°	8093.8	7644.4	7180.1	6715.9	6889.6	7063.3	7636.0	8208.8	7772.8	7336.8
10942.7	45°	10204.1	9465.8	8721.8	7978.0	8054.8	8131.4	8646.0	9160.5	8572.3	7984.2
13626.1	47.5°	12545.3	11464.3	10391.5	9318.5	9334.0	9349.6	9850.2	10350.7	9523.0	8695.1
16299.1	50°	14872.2	13445.4	12062.5	10679.6	10677.0	10674.3	11292.4	11910.7	10662.8	9414.8
18887.3	52.5°	17122.0	15356.6	13704.7	12052.9	12128.7	12204.4	12952.8	13701.5	11860.2	10018.9
21424.6	55°	19320.0	17215.4	15377.1	13538.6	13833.7	14128.7	14868.4	15608.0	12921.8	10235.7
23833.0	57.5°	21449.3	19065.5	17209.2	15352.8	15944.5	16536.4	16939.3	17342.0	13674.1	10006.2
26789.5	60°	24237.2	21684.9	19928.2	18171.4	18906.4	19641.3	19015.6	18390.1	13862.1	9334.0
29185.9	62.5°	26757.8	24329.5	22720.0	21110.8	21193.7	21276.6	19567.2	17857.9	13070.5	8283.0
29435.6	65°	27081.1	24726.5	22681.2	20636.1	20318.8	20001.4	18397.1	16792.7	11950.3	7107.9
27705.9	67.5°	25341.2	22976.4	20845.7	18714.8	18566.1	18417.3	16891.4	15365.6	10617.3	5869.0
24984.4	70°	22949.5	20914.5	19009.1	17103.5	17036.9	16970.3	15310.6	13651.0	9162.8	4674.6
21542.3	72.5°	20018.3	18494.2	17003.3	15512.4	15464.7	15416.9	13512.2	11607.7	7586.0	3564.4
17784.9	75°	16712.0	15639.0	14479.1	13319.2	13142.2	12965.3	10994.1	9022.9	5778.4	2533.9
13919.0	77.5°	13157.9	12397.0	11515.2	10633.5	10380.2	10126.9	8286.8	6446.7	4044.4	1642.1
10075.6	80°	9676.2	9276.5	8610.9	7944.9	7630.1	7315.3	5767.4	4219.4	2605.7	992.1
6522.9	82.5°	6356.3	6189.6	5731.2	5272.8	4921.1	4569.4	3511.0	2452.7	1508.1	563.7
3743.1	85°	3648.5	3553.9	3177.4	2800.7	2501.6	2202.5	1640.8	1079.1	678.4	277.8
1438.0	87.5°	1430.1	1422.0	1233.7	1045.4	878.5	711.6	522.9	334.1	222.2	110.3
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°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4252.1	2.5°	4216.7	4181.0	4145.2	4111.1	4076.9	4043.8	4007.0	3977.1	3947.4	3920.6
4461.1	5°	4387.6	4313.5	4239.6	4170.4	4101.3	4036.0	3971.5	3915.3	3858.9	3811.6
4655.8	7.5°	4543.3	4433.8	4324.2	4227.7	4131.3	4042.2	3958.8	3883.9	3809.2	3747.0
4807.6	10°	4659.1	4526.1	4392.9	4278.9	4164.5	4054.7	3965.0	3886.1	3807.1	3745.0
4912.2	12.5°	4743.8	4586.8	4429.9	4300.8	4171.7	4056.2	3972.8	3908.1	3843.8	3802.5
4977.5	15°	4794.7	4614.0	4433.3	4283.8	4134.4	4006.5	3939.7	3908.8	3878.0	3883.6
5008.7	17.5°	4809.3	4599.6	4389.8	4210.0	4030.3	3879.9	3838.7	3850.0	3861.2	3929.0
5033.1	20°	4814.0	4559.8	4305.6	4082.8	3860.0	3684.8	3674.0	3726.8	3779.6	3897.3
5066.0	22.5°	4820.2	4511.0	4201.8	3933.5	3665.1	3465.8	3487.0	3565.2	3643.4	3777.6
5125.7	25°	4844.8	4462.8	4081.1	3766.7	3452.6	3248.2	3305.7	3395.8	3486.0	3606.7
5218.9	27.5°	4896.0	4430.7	3965.3	3614.3	3263.3	3077.3	3147.2	3234.2	3321.3	3420.5
5339.7	30°	4966.3	4415.6	3864.6	3486.9	3109.2	2953.0	3007.9	3076.8	3146.1	3228.5
5465.7	32.5°	5026.9	4397.0	3766.7	3377.0	2987.2	2861.3	2885.7	2926.6	2967.5	3033.2
5609.2	35°	5071.3	4361.8	3652.7	3269.1	2885.4	2780.5	2770.4	2781.6	2793.0	2843.2
5770.1	37.5°	5097.7	4301.7	3505.7	3141.9	2778.2	2686.5	2649.5	2637.1	2624.7	2660.7
5974.2	40°	5114.3	4218.9	3323.6	2990.3	2657.0	2573.9	2517.2	2489.0	2460.9	2486.9
6241.3	42.5°	5145.9	4133.4	3121.3	2823.0	2524.6	2448.0	2376.5	2339.3	2302.0	2323.1
6592.8	45°	5201.4	4054.0	2906.9	2645.2	2383.5	2305.8	2236.7	2200.3	2164.1	2181.9
6967.3	47.5°	5239.4	3988.5	2737.5	2504.6	2271.7	2171.4	2111.9	2081.5	2051.0	2067.8
7314.7	50°	5214.6	3917.0	2619.4	2411.2	2203.0	2071.2	2002.1	1975.0	1948.2	1974.3
7540.3	52.5°	5061.5	3796.3	2531.1	2349.7	2168.3	2016.8	1920.2	1893.5	1866.9	1906.2
7490.6	55°	4745.3	3596.1	2446.9	2305.1	2163.2	2022.3	1876.7	1834.4	1792.3	1848.1
7140.7	57.5°	4275.3	3314.0	2352.5	2252.2	2152.0	2027.7	1850.6	1789.1	1727.5	1787.5
6489.5	60°	3644.9	2947.6	2250.2	2171.4	2092.7	2010.6	1826.0	1746.3	1666.5	1719.1
5608.9	62.5°	2934.8	2509.1	2083.3	2031.0	1978.8	1968.7	1797.4	1697.7	1598.1	1631.5
4710.5	65°	2313.3	2114.6	1915.8	1891.1	1866.4	1867.7	1737.2	1631.2	1525.1	1538.0
3830.4	67.5°	1791.8	1735.4	1678.9	1692.7	1706.4	1703.0	1629.6	1541.4	1453.1	1449.1
3015.9	70°	1357.2	1373.4	1389.4	1453.4	1517.3	1517.3	1493.2	1430.4	1367.7	1353.7
2305.7	72.5°	1047.0	1095.6	1144.4	1235.1	1325.7	1340.9	1341.2	1298.2	1255.2	1234.7
1673.4	75°	813.0	857.1	901.2	1002.8	1104.4	1174.7	1168.8	1135.7	1102.4	1082.8
1134.0	77.5°	625.9	655.9	686.0	784.7	883.3	999.1	996.0	969.4	942.8	923.0
730.6	80°	469.2	481.7	494.1	577.7	661.1	799.4	799.0	776.7	754.4	737.7
449.4	82.5°	335.3	337.5	340.0	401.5	463.0	581.1	587.6	576.8	565.9	554.1
240.2	85°	202.8	201.7	200.4	245.5	290.6	378.4	386.9	375.2	363.6	350.4
99.6	87.5°	88.9	87.8	86.7	105.0	123.5	160.0	170.9	166.3	161.6	159.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3893.8	2.5°	3870.4	3846.9	3823.3	3799.8	3781.7	3763.3	3748.6	3733.8	3722.3	3710.8
3764.6	5°	3722.9	3681.3	3643.5	3605.6	3576.5	3547.3	3527.0	3506.6	3492.2	3477.7
3684.8	7.5°	3632.5	3580.0	3533.7	3487.5	3452.9	3418.4	3394.1	3369.9	3353.3	3336.8
3682.8	10°	3626.4	3569.9	3517.8	3465.8	3424.4	3382.9	3355.9	3328.6	3312.9	3297.2
3761.5	12.5°	3717.0	3672.9	3619.0	3565.2	3512.4	3459.5	3424.6	3389.6	3372.1	3354.7
3889.2	15°	3877.7	3866.2	3819.4	3772.6	3697.4	3622.2	3569.1	3516.0	3491.6	3467.3
3996.7	17.5°	4032.7	4068.6	4030.9	3993.3	3893.7	3794.1	3715.8	3637.5	3601.4	3565.2
4015.0	20°	4090.4	4165.8	4148.3	4130.8	4016.9	3903.2	3807.1	3711.3	3665.1	3618.8
3912.2	22.5°	4010.2	4108.3	4118.8	4129.2	4020.5	3911.7	3812.9	3713.9	3665.3	3616.5
3727.6	25°	3824.1	3920.6	3956.6	3992.5	3903.3	3814.3	3726.3	3638.7	3596.4	3554.3
3519.7	27.5°	3597.1	3674.4	3714.5	3754.8	3691.2	3627.8	3559.6	3491.4	3463.1	3434.7
3310.8	30°	3375.0	3439.3	3472.0	3504.6	3456.3	3407.8	3359.0	3309.9	3295.5	3280.9
3099.1	32.5°	3160.6	3222.3	3258.5	3294.8	3250.4	3205.8	3166.8	3127.8	3118.3	3108.9
2893.2	35°	2954.1	3015.2	3058.7	3102.2	3070.5	3038.9	3002.9	2967.0	2952.5	2938.2
2696.6	37.5°	2757.4	2818.3	2872.1	2925.8	2911.2	2896.6	2863.5	2830.3	2804.0	2777.9
2512.8	40°	2571.5	2630.3	2692.1	2754.1	2757.7	2761.1	2733.0	2704.9	2666.6	2628.7
2344.4	42.5°	2400.0	2455.8	2522.6	2589.4	2607.3	2625.2	2601.4	2577.8	2530.4	2483.0
2199.9	45°	2252.7	2305.5	2374.8	2444.1	2469.8	2495.4	2474.0	2452.7	2398.5	2344.4
2084.4	47.5°	2136.2	2187.8	2256.1	2324.5	2354.0	2383.5	2368.6	2353.7	2305.5	2257.4
2000.5	50°	2049.3	2097.9	2159.2	2220.4	2258.3	2296.2	2295.3	2294.7	2256.1	2217.6
1945.4	52.5°	1990.1	2034.7	2091.7	2148.9	2193.8	2238.7	2246.8	2254.9	2223.5	2192.1
1903.7	55°	1951.9	2000.1	2050.1	2100.0	2147.5	2195.2	2206.4	2217.6	2190.2	2162.9
1847.5	57.5°	1904.0	1960.6	2010.0	2059.6	2107.6	2155.4	2166.8	2178.1	2150.5	2122.8
1771.6	60°	1836.6	1901.5	1951.7	2002.1	2050.2	2098.4	2110.8	2123.3	2096.2	2069.4
1664.9	62.5°	1740.6	1816.4	1870.0	1923.6	1967.7	2011.9	2023.8	2035.8	2011.4	1987.0
1550.7	65°	1631.8	1713.1	1764.3	1815.6	1854.5	1893.3	1905.6	1917.7	1894.2	1870.8
1445.0	67.5°	1519.9	1595.0	1643.6	1692.1	1725.7	1759.2	1771.2	1783.0	1761.4	1740.0
1339.7	70°	1405.6	1471.5	1513.4	1555.4	1585.7	1616.0	1627.5	1639.0	1621.4	1603.8
1214.3	72.5°	1266.2	1317.9	1355.9	1393.8	1423.4	1453.1	1466.8	1480.5	1465.9	1451.3
1063.1	75°	1101.6	1140.2	1174.5	1208.9	1235.9	1262.9	1277.2	1291.5	1284.4	1277.2
903.1	77.5°	934.5	965.7	995.2	1024.7	1053.2	1081.4	1094.8	1108.2	1098.2	1088.0
721.0	80°	747.1	773.0	797.9	822.7	844.3	865.8	883.5	901.2	896.9	892.7
542.3	82.5°	540.1	537.9	529.2	520.5	566.5	612.5	642.7	672.8	670.9	668.9
337.2	85°	326.0	314.6	290.6	266.5	309.5	352.7	390.0	427.3	424.2	421.1
156.6	87.5°	156.2	155.7	137.4	118.9	136.9	155.1	170.1	185.2	181.5	177.4
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°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3700.2	2.5°	3689.5	3676.3	3689.5	3700.2	3710.8	3722.3	3733.8	3748.6	3763.3	3781.7
3466.7	5°	3455.7	3444.8	3455.7	3466.7	3477.7	3492.2	3506.6	3527.0	3547.3	3576.5
3326.9	7.5°	3317.1	3309.6	3317.1	3326.9	3336.8	3353.3	3369.9	3394.1	3418.4	3452.9
3288.8	10°	3280.4	3277.0	3280.4	3288.8	3297.2	3312.9	3328.6	3355.9	3382.9	3424.4
3347.5	12.5°	3340.4	3339.1	3340.4	3347.5	3354.7	3372.1	3389.6	3424.6	3459.5	3512.4
3458.0	15°	3448.7	3447.9	3448.7	3458.0	3467.3	3491.6	3516.0	3569.1	3622.2	3697.4
3553.4	17.5°	3541.4	3539.6	3541.4	3553.4	3565.2	3601.4	3637.5	3715.8	3794.1	3893.7
3604.1	20°	3589.3	3584.6	3589.3	3604.1	3618.8	3665.1	3711.3	3807.1	3903.2	4016.9
3600.2	22.5°	3583.9	3576.9	3583.9	3600.2	3616.5	3665.3	3713.9	3812.9	3911.7	4020.5
3538.9	25°	3523.7	3514.7	3523.7	3538.9	3554.3	3596.4	3638.7	3726.3	3814.3	3903.3
3427.7	27.5°	3420.7	3418.4	3420.7	3427.7	3434.7	3463.1	3491.4	3559.6	3627.8	3691.2
3280.9	30°	3280.9	3283.2	3280.9	3280.9	3280.9	3295.5	3309.9	3359.0	3407.8	3456.3
3110.1	32.5°	3111.5	3113.8	3111.5	3110.1	3108.9	3118.3	3127.8	3166.8	3205.8	3250.4
2935.1	35°	2932.0	2930.5	2932.0	2935.1	2938.2	2952.5	2967.0	3002.9	3038.9	3070.5
2764.1	37.5°	2750.2	2742.5	2750.2	2764.1	2777.9	2804.0	2830.3	2863.5	2896.6	2911.2
2602.9	40°	2577.5	2562.2	2577.5	2602.9	2628.7	2666.6	2704.9	2733.0	2761.1	2757.7
2445.5	42.5°	2408.1	2383.5	2408.1	2445.5	2483.0	2530.4	2577.8	2601.4	2625.2	2607.3
2300.4	45°	2256.4	2228.2	2256.4	2300.4	2344.4	2398.5	2452.7	2474.0	2495.4	2469.8
2216.7	47.5°	2176.1	2148.9	2176.1	2216.7	2257.4	2305.5	2353.7	2368.6	2383.5	2354.0
2180.0	50°	2142.4	2116.3	2142.4	2180.0	2217.6	2256.1	2294.7	2295.3	2296.2	2258.3
2158.4	52.5°	2124.8	2100.7	2124.8	2158.4	2192.1	2223.5	2254.9	2246.8	2238.7	2193.8
2133.4	55°	2103.9	2082.1	2103.9	2133.4	2162.9	2190.2	2217.6	2206.4	2195.2	2147.5
2093.6	57.5°	2064.2	2041.7	2064.2	2093.6	2122.8	2150.5	2178.1	2166.8	2155.4	2107.6
2039.2	60°	2009.1	1985.8	2009.1	2039.2	2069.4	2096.2	2123.3	2110.8	2098.4	2050.2
1955.3	62.5°	1923.6	1895.6	1923.6	1955.3	1987.0	2011.4	2035.8	2023.8	2011.9	1967.7
1840.0	65°	1809.4	1785.3	1809.4	1840.0	1870.8	1894.2	1917.7	1905.6	1893.3	1854.5
1711.4	67.5°	1682.8	1661.0	1682.8	1711.4	1740.0	1761.4	1783.0	1771.2	1759.2	1725.7
1576.5	70°	1549.1	1524.3	1549.1	1576.5	1603.8	1621.4	1639.0	1627.5	1616.0	1585.7
1425.2	72.5°	1399.2	1375.1	1399.2	1425.2	1451.3	1465.9	1480.5	1466.8	1453.1	1423.4
1255.3	75°	1233.4	1210.4	1233.4	1255.3	1277.2	1284.4	1291.5	1277.2	1262.9	1235.9
1065.9	77.5°	1043.8	1025.5	1043.8	1065.9	1088.0	1098.2	1108.2	1094.8	1081.4	1053.2
863.0	80°	833.2	798.7	833.2	863.0	892.7	896.9	901.2	883.5	865.8	844.3
643.9	82.5°	618.7	596.7	618.7	643.9	668.9	670.9	672.8	642.7	612.5	566.5
401.5	85°	381.9	362.0	381.9	401.5	421.1	424.2	427.3	390.0	352.7	309.5
167.5	87.5°	157.2	147.6	157.2	167.5	177.4	181.5	185.2	170.1	155.1	136.9
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°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3799.8	2.5°	3823.3	3846.9	3870.4	3893.8	3920.6	3947.4	3977.1	4007.0	4043.8	4076.9
3605.6	5°	3643.5	3681.3	3722.9	3764.6	3811.6	3858.9	3915.3	3971.5	4036.0	4101.3
3487.5	7.5°	3533.7	3580.0	3632.5	3684.8	3747.0	3809.2	3883.9	3958.8	4042.2	4131.3
3465.8	10°	3517.8	3569.9	3626.4	3682.8	3745.0	3807.1	3886.1	3965.0	4054.7	4164.5
3565.2	12.5°	3619.0	3672.9	3717.0	3761.5	3802.5	3843.8	3908.1	3972.8	4056.2	4171.7
3772.6	15°	3819.4	3866.2	3877.7	3889.2	3883.6	3878.0	3908.8	3939.7	4006.5	4134.4
3993.3	17.5°	4030.9	4068.6	4032.7	3996.7	3929.0	3861.2	3850.0	3838.7	3879.9	4030.3
4130.8	20°	4148.3	4165.8	4090.4	4015.0	3897.3	3779.6	3726.8	3674.0	3684.8	3860.0
4129.2	22.5°	4118.8	4108.3	4010.2	3912.2	3777.6	3643.4	3565.2	3487.0	3465.8	3665.1
3992.5	25°	3956.6	3920.6	3824.1	3727.6	3606.7	3486.0	3395.8	3305.7	3248.2	3452.6
3754.8	27.5°	3714.5	3674.4	3597.1	3519.7	3420.5	3321.3	3234.2	3147.2	3077.3	3263.3
3504.6	30°	3472.0	3439.3	3375.0	3310.8	3228.5	3146.1	3076.8	3007.9	2953.0	3109.2
3294.8	32.5°	3258.5	3222.3	3160.6	3099.1	3033.2	2967.5	2926.6	2885.7	2861.3	2987.2
3102.2	35°	3058.7	3015.2	2954.1	2893.2	2843.2	2793.0	2781.6	2770.4	2780.5	2885.4
2925.8	37.5°	2872.1	2818.3	2757.4	2696.6	2660.7	2624.7	2637.1	2649.5	2686.5	2778.2
2754.1	40°	2692.1	2630.3	2571.5	2512.8	2486.9	2460.9	2489.0	2517.2	2573.9	2657.0
2589.4	42.5°	2522.6	2455.8	2400.0	2344.4	2323.1	2302.0	2339.3	2376.5	2448.0	2524.6
2444.1	45°	2374.8	2305.5	2252.7	2199.9	2181.9	2164.1	2200.3	2236.7	2305.8	2383.5
2324.5	47.5°	2256.1	2187.8	2136.2	2084.4	2067.8	2051.0	2081.5	2111.9	2171.4	2271.7
2220.4	50°	2159.2	2097.9	2049.3	2000.5	1974.3	1948.2	1975.0	2002.1	2071.2	2203.0
2148.9	52.5°	2091.7	2034.7	1990.1	1945.4	1906.2	1866.9	1893.5	1920.2	2016.8	2168.3
2100.0	55°	2050.1	2000.1	1951.9	1903.7	1848.1	1792.3	1834.4	1876.7	2022.3	2163.2
2059.6	57.5°	2010.0	1960.6	1904.0	1847.5	1787.5	1727.5	1789.1	1850.6	2027.7	2152.0
2002.1	60°	1951.7	1901.5	1836.6	1771.6	1719.1	1666.5	1746.3	1826.0	2010.6	2092.7
1923.6	62.5°	1870.0	1816.4	1740.6	1664.9	1631.5	1598.1	1697.7	1797.4	1968.7	1978.8
1815.6	65°	1764.3	1713.1	1631.8	1550.7	1538.0	1525.1	1631.2	1737.2	1867.7	1866.4
1692.1	67.5°	1643.6	1595.0	1519.9	1445.0	1449.1	1453.1	1541.4	1629.6	1703.0	1706.4
1555.4	70°	1513.4	1471.5	1405.6	1339.7	1353.7	1367.7	1430.4	1493.2	1517.3	1517.3
1393.8	72.5°	1355.9	1317.9	1266.2	1214.3	1234.7	1255.2	1298.2	1341.2	1340.9	1325.7
1208.9	75°	1174.5	1140.2	1101.6	1063.1	1082.8	1102.4	1135.7	1168.8	1174.7	1104.4
1024.7	77.5°	995.2	965.7	934.5	903.1	923.0	942.8	969.4	996.0	999.1	883.3
822.7	80°	797.9	773.0	747.1	721.0	737.7	754.4	776.7	799.0	799.4	661.1
520.5	82.5°	529.2	537.9	540.1	542.3	554.1	565.9	576.8	587.6	581.1	463.0
266.5	85°	290.6	314.6	326.0	337.2	350.4	363.6	375.2	386.9	378.4	290.6
118.9	87.5°	137.4	155.7	156.2	156.6	159.1	161.6	166.3	170.9	160.0	123.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4111.1	2.5°	4145.2	4181.0	4216.7	4252.1	4287.7	4321.1	4354.5
4170.4	5°	4239.6	4313.5	4387.6	4461.1	4534.8	4608.6	4682.4
4227.7	7.5°	4324.2	4433.8	4543.3	4655.8	4768.3	4890.0	5011.8
4278.9	10°	4392.9	4526.1	4659.1	4807.6	4956.3	5110.3	5264.3
4300.8	12.5°	4429.9	4586.8	4743.8	4912.2	5080.6	5249.7	5418.9
4283.8	15°	4433.3	4614.0	4794.7	4977.5	5160.2	5336.5	5512.9
4210.0	17.5°	4389.8	4599.6	4809.3	5008.7	5208.0	5386.9	5565.7
4082.8	20°	4305.6	4559.8	4814.0	5033.1	5252.2	5438.2	5624.0
3933.5	22.5°	4201.8	4511.0	4820.2	5066.0	5311.7	5501.7	5691.6
3766.7	25°	4081.1	4462.8	4844.8	5125.7	5406.5	5592.5	5778.6
3614.3	27.5°	3965.3	4430.7	4896.0	5218.9	5541.6	5719.2	5896.7
3486.9	30°	3864.6	4415.6	4966.3	5339.7	5713.0	5884.4	6056.0
3377.0	32.5°	3766.7	4397.0	5026.9	5465.7	5904.5	6074.1	6244.0
3269.1	35°	3652.7	4361.8	5071.3	5609.2	6147.2	6309.8	6472.4
3141.9	37.5°	3505.7	4301.7	5097.7	5770.1	6442.4	6649.7	6856.9
2990.3	40°	3323.6	4218.9	5114.3	5974.2	6833.9	7136.0	7438.1
2823.0	42.5°	3121.3	4133.4	5145.9	6241.3	7336.8	7772.8	8208.8
2645.2	45°	2906.9	4054.0	5201.4	6592.8	7984.2	8572.3	9160.5
2504.6	47.5°	2737.5	3988.5	5239.4	6967.3	8695.1	9523.0	10350.7
2411.2	50°	2619.4	3917.0	5214.6	7314.7	9414.8	10662.8	11910.7
2349.7	52.5°	2531.1	3796.3	5061.5	7540.3	10018.9	11860.2	13701.5
2305.1	55°	2446.9	3596.1	4745.3	7490.6	10235.7	12921.8	15608.0
2252.2	57.5°	2352.5	3314.0	4275.3	7140.7	10006.2	13674.1	17342.0
2171.4	60°	2250.2	2947.6	3644.9	6489.5	9334.0	13862.1	18390.1
2031.0	62.5°	2083.3	2509.1	2934.8	5608.9	8283.0	13070.5	17857.9
1891.1	65°	1915.8	2114.6	2313.3	4710.5	7107.9	11950.3	16792.7
1692.7	67.5°	1678.9	1735.4	1791.8	3830.4	5869.0	10617.3	15365.6
1453.4	70°	1389.4	1373.4	1357.2	3015.9	4674.6	9162.8	13651.0
1235.1	72.5°	1144.4	1095.6	1047.0	2305.7	3564.4	7586.0	11607.7
1002.8	75°	901.2	857.1	813.0	1673.4	2533.9	5778.4	9022.9
784.7	77.5°	686.0	655.9	625.9	1134.0	1642.1	4044.4	6446.7
577.7	80°	494.1	481.7	469.2	730.6	992.1	2605.7	4219.4
401.5	82.5°	340.0	337.5	335.3	449.4	563.7	1508.1	2452.7
245.5	85°	200.4	201.7	202.8	240.2	277.8	678.4	1079.1
105.0	87.5°	86.7	87.8	88.9	99.6	110.3	222.2	334.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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