

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: P950447

Luminaire Tested: **GALN-SB4D-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950447
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-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24736 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

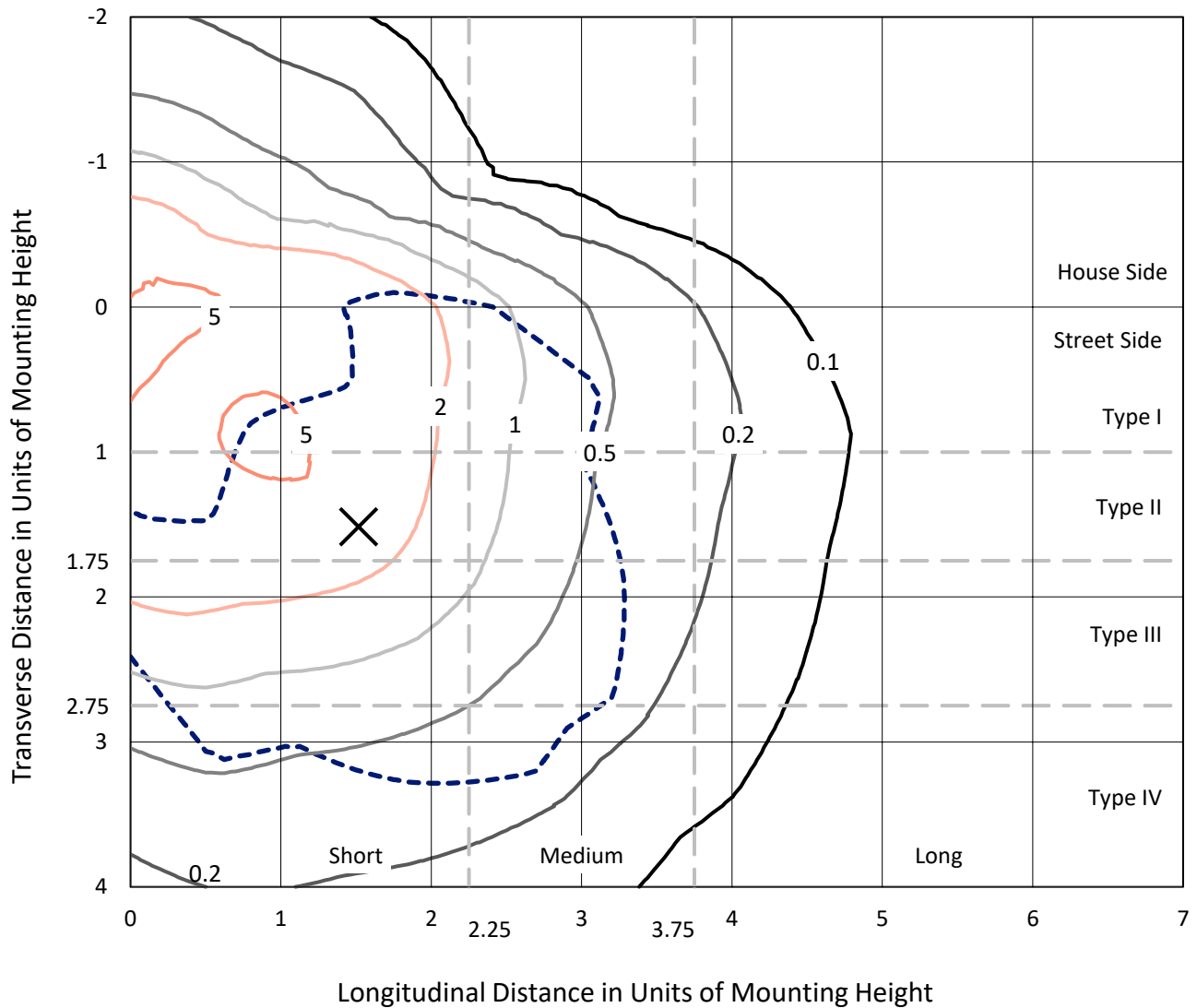
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

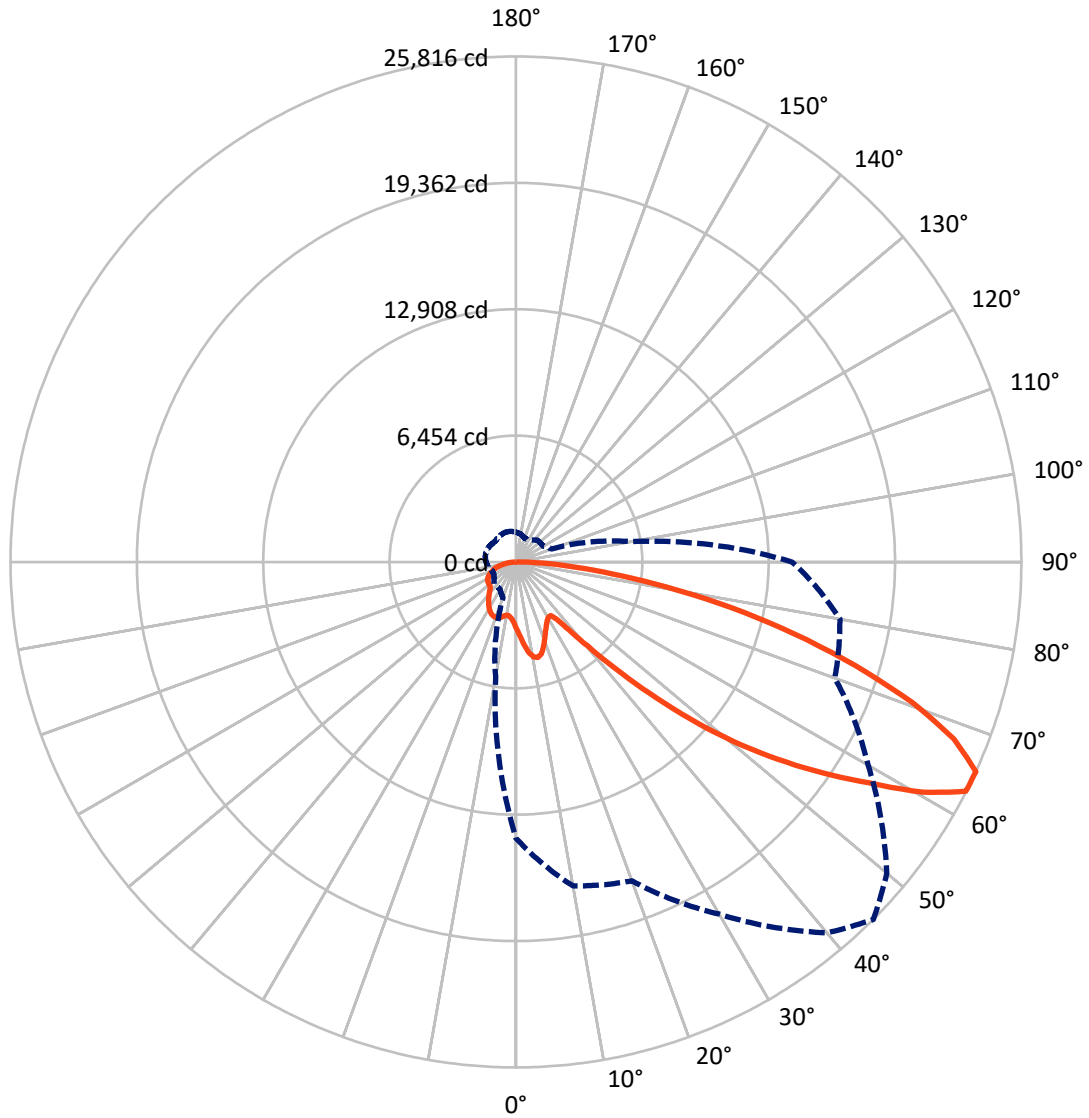
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	6286.6	0.0	6286.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18449.4	0.0	18449.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	24736.0	0.0	24736.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.4	1.4
10°-20°	1059.2	4.3
20°-30°	1636.1	6.6
30°-40°	2073.4	8.4
40°-50°	3127.2	12.6
50°-60°	5052.5	20.4
60°-70°	6298.7	25.5
70°-80°	4130.4	16.7
80°-90°	1021.1	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°	24736.0	100.0
0°-180°	24736.0	100.0



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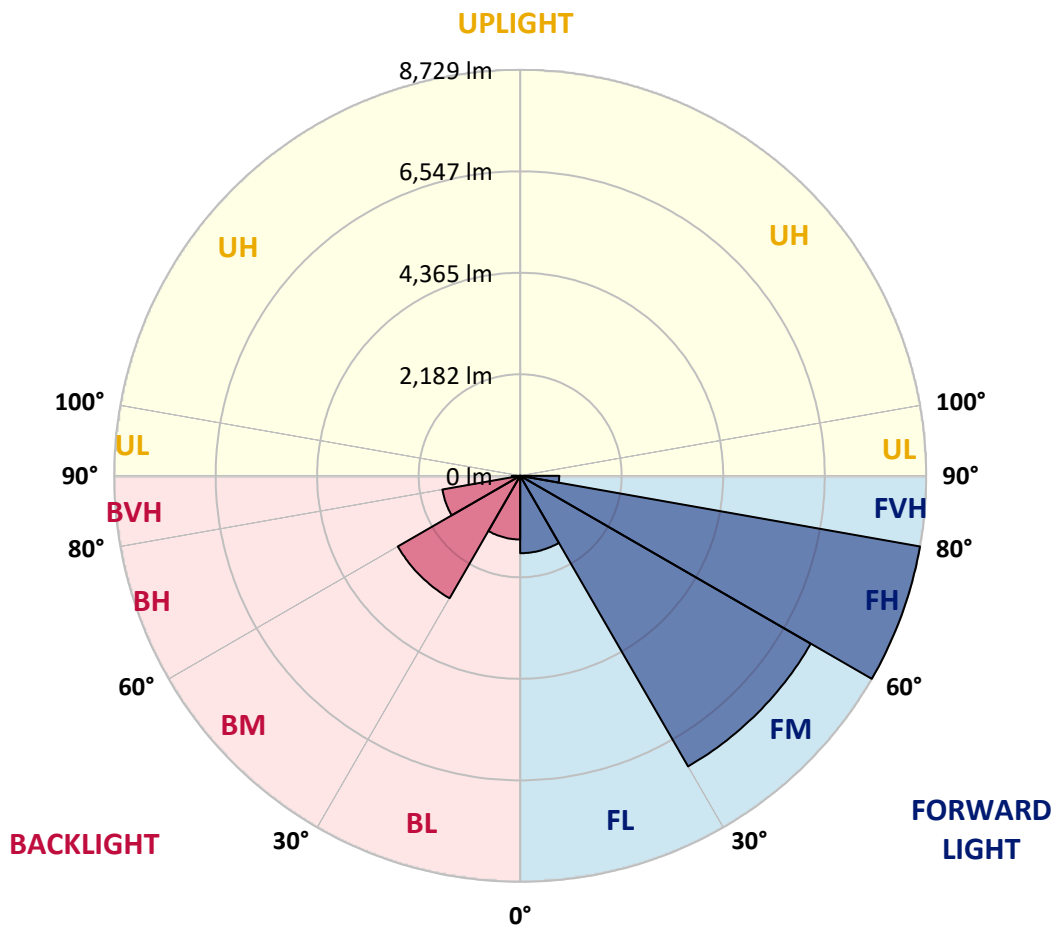
CATALOG NUMBER: GALN-SB4D-927-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.8	6.7			
FM (30°-60°)	7215.0	29.2			
FH (60°-80°)	8729.4	35.3			G4/12000
FVH (80°-90°)	841.2	3.4			G5
BL (0°-30°)	1369.0	5.5	B3/2500		
BM (30°-60°)	3038.1	12.3	B3/5000		
BH (60°-80°)	1699.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	179.9	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°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
2.5°	3657.9	3671.7	3685.7	3705.4	3725.1	3736.9	3748.6	3754.5	3760.3	3757.7
5°	3933.3	3981.7	4030.3	4078.3	4126.5	4152.6	4178.7	4194.5	4210.4	4222.4
7.5°	4210.0	4288.8	4367.5	4438.4	4509.3	4552.0	4594.6	4617.8	4640.7	4651.8
10°	4422.1	4515.3	4608.5	4691.6	4774.8	4825.2	4875.3	4897.7	4920.0	4928.5
12.5°	4552.0	4653.0	4753.9	4829.1	4904.0	4940.5	4977.1	4989.3	5001.6	5002.9
15°	4630.9	4718.1	4805.2	4852.3	4899.5	4900.9	4902.2	4889.1	4876.1	4860.7
17.5°	4675.3	4734.2	4793.0	4794.0	4794.7	4741.9	4689.0	4640.6	4592.0	4557.8
20°	4724.3	4744.7	4765.4	4703.4	4641.4	4524.7	4408.0	4323.0	4238.1	4185.9
22.5°	4781.0	4754.1	4727.3	4598.8	4470.4	4298.8	4127.1	4020.9	3914.6	3856.9
25°	4854.1	4769.3	4684.4	4489.4	4294.4	4086.0	3877.6	3765.8	3654.4	3599.8
27.5°	4953.3	4801.7	4649.9	4391.6	4133.4	3902.4	3671.3	3561.4	3451.7	3400.1
30°	5087.1	4860.9	4634.8	4316.9	3998.9	3758.3	3517.6	3415.6	3313.7	3265.7
32.5°	5245.0	4935.3	4625.7	4266.0	3906.3	3680.1	3453.9	3373.9	3293.7	3259.1
35°	5436.9	5057.9	4679.0	4304.1	3929.4	3772.2	3615.2	3596.5	3577.9	3575.0
37.5°	5760.0	5314.1	4868.2	4527.6	4186.9	4176.7	4166.5	4251.9	4337.3	4381.6
40°	6248.1	5763.2	5278.3	5025.0	4771.6	4950.5	5129.3	5336.8	5544.3	5647.7
42.5°	6895.5	6414.4	5933.3	5787.4	5641.4	6031.4	6421.4	6798.9	7176.4	7398.0
45°	7694.9	7262.8	6830.5	6766.1	6701.7	7326.5	7951.4	8571.7	9192.0	9568.6
47.5°	8694.7	8274.3	7853.8	7840.7	7827.7	8729.1	9630.2	10538.2	11446.2	11979.3
50°	10005.2	9485.8	8966.6	8968.8	8971.1	10132.7	11294.4	12492.9	13691.5	14416.2
52.5°	11509.5	10880.6	10251.9	10188.3	10124.6	11512.2	12899.8	14382.8	15865.6	16734.3
55°	13111.0	12489.7	11868.4	11620.5	11372.7	12917.0	14461.2	16229.2	17997.1	19030.2
57.5°	14567.6	14229.3	13890.8	13393.7	12896.7	14456.0	16015.4	18017.8	20020.2	21301.3
60°	15448.0	15973.5	16499.1	15881.7	15264.3	16740.0	18215.7	20359.7	22503.6	23888.2
62.5°	15000.9	16436.8	17872.7	17803.1	17733.4	19085.2	20437.2	22477.0	24516.7	25796.4
65°	14106.2	15453.8	16801.5	17068.1	17334.7	19052.6	20770.7	22748.6	24726.4	25816.0
67.5°	12907.4	14189.1	15470.8	15595.9	15720.8	17510.8	19300.6	21287.0	23273.4	24127.1
70°	11467.0	12861.2	14255.4	14311.3	14367.3	15968.0	17568.6	19278.0	20987.3	21461.8
72.5°	9750.7	11350.5	12950.4	12990.6	13030.7	14283.1	15535.4	16815.7	18095.9	18143.9
75°	7579.4	9235.2	10891.0	11039.7	11188.4	12162.7	13137.1	14038.3	14939.6	14698.1
77.5°	5415.4	6961.0	8506.8	8719.5	8932.3	9673.0	10413.7	11052.9	11692.2	11277.1
80°	3544.3	4844.7	6145.0	6409.4	6673.9	7233.3	7792.4	8128.2	8463.7	7796.1
82.5°	2060.3	2949.3	3838.4	4133.8	4429.3	4814.3	5199.4	5339.4	5479.3	4954.6
85°	906.5	1378.3	1850.2	2101.4	2352.7	2669.1	2985.3	3064.8	3144.3	2724.0
87.5°	280.6	439.2	597.8	738.0	878.2	1036.3	1194.5	1201.3	1208.0	1014.2
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°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3760.3	2.5°	3754.5	3748.6	3736.9	3725.1	3705.4	3685.7	3671.7	3657.9	3629.8	3601.8
4210.4	5°	4194.5	4178.7	4152.6	4126.5	4078.3	4030.3	3981.7	3933.3	3871.3	3809.3
4640.7	7.5°	4617.8	4594.6	4552.0	4509.3	4438.4	4367.5	4288.8	4210.0	4107.7	4005.5
4920.0	10°	4897.7	4875.3	4825.2	4774.8	4691.6	4608.5	4515.3	4422.1	4292.8	4163.4
5001.6	12.5°	4989.3	4977.1	4940.5	4904.0	4829.1	4753.9	4653.0	4552.0	4409.8	4267.8
4876.1	15°	4889.1	4902.2	4900.9	4899.5	4852.3	4805.2	4718.1	4630.9	4482.8	4334.6
4592.0	17.5°	4640.6	4689.0	4741.9	4794.7	4794.0	4793.0	4734.2	4675.3	4525.1	4374.8
4238.1	20°	4323.0	4408.0	4524.7	4641.4	4703.4	4765.4	4744.7	4724.3	4568.2	4411.9
3914.6	22.5°	4020.9	4127.1	4298.8	4470.4	4598.8	4727.3	4754.1	4781.0	4621.5	4461.9
3654.4	25°	3765.8	3877.6	4086.0	4294.4	4489.4	4684.4	4769.3	4854.1	4697.8	4541.5
3451.7	27.5°	3561.4	3671.3	3902.4	4133.4	4391.6	4649.9	4801.7	4953.3	4804.3	4655.1
3313.7	30°	3415.6	3517.6	3758.3	3998.9	4316.9	4634.8	4860.9	5087.1	4943.0	4799.0
3293.7	32.5°	3373.9	3453.9	3680.1	3906.3	4266.0	4625.7	4935.3	5245.0	5102.4	4959.9
3577.9	35°	3596.5	3615.2	3772.2	3929.4	4304.1	4679.0	5057.9	5436.9	5300.4	5163.7
4337.3	37.5°	4251.9	4166.5	4176.7	4186.9	4527.6	4868.2	5314.1	5760.0	5585.8	5411.7
5544.3	40°	5336.8	5129.3	4950.5	4771.6	5025.0	5278.3	5763.2	6248.1	5994.4	5740.6
7176.4	42.5°	6798.9	6421.4	6031.4	5641.4	5787.4	5933.3	6414.4	6895.5	6529.3	6163.0
9192.0	45°	8571.7	7951.4	7326.5	6701.7	6766.1	6830.5	7262.8	7694.9	7200.9	6706.9
11446.2	47.5°	10538.2	9630.2	8729.1	7827.7	7840.7	7853.8	8274.3	8694.7	7999.5	7304.0
13691.5	50°	12492.9	11294.4	10132.7	8971.1	8968.8	8966.6	9485.8	10005.2	8957.0	7908.6
15865.6	52.5°	14382.8	12899.8	11512.2	10124.6	10188.3	10251.9	10880.6	11509.5	9962.8	8416.1
17997.1	55°	16229.2	14461.2	12917.0	11372.7	11620.5	11868.4	12489.7	13111.0	10854.5	8598.2
20020.2	57.5°	18017.8	16015.4	14456.0	12896.7	13393.7	13890.8	14229.3	14567.6	11486.5	8405.4
22503.6	60°	20359.7	18215.7	16740.0	15264.3	15881.7	16499.1	15973.5	15448.0	11644.4	7840.7
24516.7	62.5°	22477.0	20437.2	19085.2	17733.4	17803.1	17872.7	16436.8	15000.9	10979.4	6957.9
24726.4	65°	22748.6	20770.7	19052.6	17334.7	17068.1	16801.5	15453.8	14106.2	10038.5	5970.7
23273.4	67.5°	21287.0	19300.6	17510.8	15720.8	15595.9	15470.8	14189.1	12907.4	8918.7	4930.1
20987.3	70°	19278.0	17568.6	15968.0	14367.3	14311.3	14255.4	12861.2	11467.0	7696.9	3926.8
18095.9	72.5°	16815.7	15535.4	14283.1	13030.7	12990.6	12950.4	11350.5	9750.7	6372.4	2994.2
14939.6	75°	14038.3	13137.1	12162.7	11188.4	11039.7	10891.0	9235.2	7579.4	4854.0	2128.6
11692.2	77.5°	11052.9	10413.7	9673.0	8932.3	8719.5	8506.8	6961.0	5415.4	3397.4	1379.4
8463.7	80°	8128.2	7792.4	7233.3	6673.9	6409.4	6145.0	4844.7	3544.3	2188.9	833.4
5479.3	82.5°	5339.4	5199.4	4814.3	4429.3	4133.8	3838.4	2949.3	2060.3	1266.9	473.5
3144.3	85°	3064.8	2985.3	2669.1	2352.7	2101.4	1850.2	1378.3	906.5	569.9	233.4
1208.0	87.5°	1201.3	1194.5	1036.3	878.2	738.0	597.8	439.2	280.6	186.6	92.7
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°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3571.9	2.5°	3542.1	3512.1	3482.1	3453.4	3424.6	3396.8	3365.9	3340.9	3315.9	3293.3
3747.4	5°	3685.7	3623.4	3561.3	3503.2	3445.1	3390.3	3336.2	3288.9	3241.5	3201.8
3911.0	7.5°	3816.5	3724.5	3632.4	3551.4	3470.3	3395.5	3325.4	3262.5	3199.8	3147.5
4038.5	10°	3913.7	3802.0	3690.1	3594.3	3498.3	3406.0	3330.7	3264.4	3198.1	3145.9
4126.3	12.5°	3984.8	3853.0	3721.2	3612.7	3504.3	3407.3	3337.2	3282.9	3228.9	3194.1
4181.2	15°	4027.7	3875.9	3724.1	3598.5	3472.9	3365.5	3309.4	3283.4	3257.6	3262.3
4207.4	17.5°	4039.9	3863.7	3687.5	3536.5	3385.5	3259.1	3224.6	3234.1	3243.5	3300.4
4227.9	20°	4043.8	3830.3	3616.8	3429.6	3242.4	3095.3	3086.2	3130.6	3175.0	3273.8
4255.6	22.5°	4049.1	3789.3	3529.6	3304.2	3078.8	2911.3	2929.2	2994.8	3060.5	3173.3
4305.7	25°	4069.7	3748.9	3428.2	3164.1	2900.2	2728.6	2776.9	2852.6	2928.3	3029.7
4384.0	27.5°	4112.8	3721.8	3330.9	3036.1	2741.2	2585.0	2643.7	2716.8	2789.9	2873.3
4485.4	30°	4171.8	3709.2	3246.4	2929.1	2611.8	2480.6	2526.7	2584.6	2642.8	2712.0
4591.3	32.5°	4222.7	3693.5	3164.1	2836.8	2509.3	2403.6	2424.1	2458.4	2492.7	2547.9
4711.9	35°	4260.0	3664.0	3068.3	2746.1	2423.8	2335.7	2327.2	2336.6	2346.1	2388.3
4846.9	37.5°	4282.2	3613.5	2944.8	2639.3	2333.7	2256.7	2225.7	2215.2	2204.8	2235.1
5018.5	40°	4296.1	3543.9	2791.9	2511.9	2231.9	2162.1	2114.5	2090.8	2067.2	2089.0
5242.8	42.5°	4322.6	3472.2	2621.9	2371.3	2120.7	2056.4	1996.3	1965.0	1933.7	1951.4
5538.1	45°	4369.2	3405.5	2441.8	2222.0	2002.2	1937.0	1878.9	1848.3	1817.9	1832.8
5852.6	47.5°	4401.2	3350.4	2299.5	2103.9	1908.2	1824.1	1774.1	1748.5	1722.9	1737.0
6144.5	50°	4380.3	3290.3	2200.3	2025.4	1850.5	1739.9	1681.8	1659.1	1636.5	1658.4
6334.0	52.5°	4251.8	3188.9	2126.2	1973.8	1821.4	1694.2	1613.0	1590.5	1568.2	1601.2
6292.2	55°	3986.2	3020.8	2055.5	1936.3	1817.1	1698.7	1576.4	1540.9	1505.6	1552.4
5998.3	57.5°	3591.3	2783.8	1976.1	1891.9	1807.7	1703.3	1554.5	1502.8	1451.1	1501.5
5451.3	60°	3061.8	2476.0	1890.2	1824.1	1757.9	1689.0	1533.9	1466.9	1399.9	1444.1
4711.6	62.5°	2465.3	2107.7	1750.0	1706.1	1662.2	1653.7	1509.9	1426.1	1342.4	1370.5
3956.9	65°	1943.2	1776.3	1609.3	1588.6	1567.8	1568.9	1459.2	1370.2	1281.1	1291.9
3217.6	67.5°	1505.2	1457.8	1410.3	1421.9	1433.4	1430.5	1368.9	1294.8	1220.6	1217.3
2533.4	70°	1140.1	1153.7	1167.1	1220.9	1274.6	1274.6	1254.3	1201.6	1148.9	1137.1
1936.8	72.5°	879.5	920.3	961.3	1037.5	1113.6	1126.4	1126.7	1090.5	1054.4	1037.1
1405.7	75°	682.9	720.0	757.0	842.4	927.8	986.7	981.8	954.0	926.1	909.6
952.6	77.5°	525.7	550.9	576.3	659.1	742.0	839.3	836.6	814.3	792.0	775.3
613.7	80°	394.2	404.6	415.1	485.3	555.4	671.5	671.1	652.5	633.7	619.7
377.5	82.5°	281.7	283.5	285.6	337.3	389.0	488.2	493.6	484.5	475.4	465.4
201.8	85°	170.3	169.4	168.4	206.2	244.1	317.8	325.0	315.2	305.4	294.3
83.7	87.5°	74.7	73.7	72.8	88.2	103.8	134.4	143.6	139.7	135.7	133.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3270.9	2.5°	3251.2	3231.5	3211.6	3191.9	3176.7	3161.3	3148.9	3136.5	3126.8	3117.1
3162.3	5°	3127.3	3092.3	3060.6	3028.8	3004.4	2979.8	2962.7	2945.6	2933.5	2921.4
3095.3	7.5°	3051.4	3007.2	2968.3	2929.6	2900.5	2871.5	2851.1	2830.8	2816.8	2803.0
3093.6	10°	3046.3	2998.8	2955.0	2911.3	2876.6	2841.7	2819.0	2796.1	2782.9	2769.7
3159.7	12.5°	3122.4	3085.3	3040.0	2994.8	2950.5	2906.1	2876.7	2847.3	2832.6	2818.0
3267.0	15°	3257.3	3247.7	3208.4	3169.1	3105.9	3042.7	2998.1	2953.5	2933.0	2912.6
3357.3	17.5°	3387.6	3417.7	3386.0	3354.4	3270.8	3187.1	3121.3	3055.5	3025.2	2994.8
3372.7	20°	3436.0	3499.3	3484.7	3469.9	3374.3	3278.7	3198.1	3117.5	3078.8	3039.9
3286.3	22.5°	3368.7	3451.0	3459.9	3468.6	3377.3	3285.9	3202.9	3119.7	3078.9	3037.9
3131.2	25°	3212.3	3293.3	3323.6	3353.8	3278.9	3204.1	3130.2	3056.6	3021.1	2985.7
2956.6	27.5°	3021.6	3086.6	3120.3	3154.1	3100.7	3047.4	2990.1	2932.8	2909.1	2885.2
2781.2	30°	2835.1	2889.1	2916.5	2943.9	2903.3	2862.6	2821.6	2780.4	2768.2	2756.0
2603.3	32.5°	2655.0	2706.8	2737.2	2767.7	2730.4	2692.9	2660.2	2627.4	2619.5	2611.5
2430.3	35°	2481.5	2532.8	2569.3	2605.9	2579.3	2552.8	2522.5	2492.3	2480.2	2468.2
2265.2	37.5°	2316.3	2367.4	2412.6	2457.7	2445.5	2433.2	2405.4	2377.5	2355.4	2333.5
2110.8	40°	2160.1	2209.5	2261.4	2313.5	2316.5	2319.4	2295.8	2272.1	2240.0	2208.2
1969.3	42.5°	2016.0	2062.9	2119.0	2175.2	2190.2	2205.2	2185.2	2165.4	2125.6	2085.7
1847.9	45°	1892.3	1936.7	1994.9	2053.1	2074.7	2096.2	2078.2	2060.3	2014.7	1969.3
1751.0	47.5°	1794.4	1837.8	1895.2	1952.6	1977.4	2002.2	1989.7	1977.2	1936.7	1896.2
1680.5	50°	1721.5	1762.3	1813.7	1865.2	1897.0	1928.9	1928.1	1927.6	1895.2	1862.8
1634.1	52.5°	1671.7	1709.2	1757.1	1805.1	1842.8	1880.6	1887.4	1894.1	1867.8	1841.4
1599.2	55°	1639.6	1680.1	1722.1	1764.0	1803.9	1844.0	1853.4	1862.8	1839.8	1816.9
1551.9	57.5°	1599.4	1646.9	1688.4	1730.1	1770.4	1810.6	1820.1	1829.7	1806.4	1783.2
1488.2	60°	1542.8	1597.3	1639.5	1681.8	1722.2	1762.7	1773.1	1783.6	1760.9	1738.3
1398.5	62.5°	1462.1	1525.8	1570.8	1615.9	1652.9	1690.0	1700.1	1710.1	1689.6	1669.1
1302.6	65°	1370.7	1439.0	1482.1	1525.2	1557.8	1590.4	1600.7	1610.9	1591.2	1571.5
1213.9	67.5°	1276.8	1339.8	1380.7	1421.4	1449.6	1477.8	1487.8	1497.7	1479.6	1461.6
1125.4	70°	1180.7	1236.0	1271.3	1306.5	1332.0	1357.4	1367.1	1376.7	1362.0	1347.3
1020.0	72.5°	1063.6	1107.1	1138.9	1170.8	1195.7	1220.6	1232.1	1243.6	1231.3	1219.1
893.0	75°	925.4	957.8	986.6	1015.5	1038.2	1060.9	1072.9	1084.9	1078.9	1072.9
758.6	77.5°	785.0	811.2	836.0	860.8	884.7	908.4	919.7	930.9	922.5	913.9
605.6	80°	627.6	649.3	670.2	691.1	709.3	727.3	742.2	757.0	753.4	749.9
455.5	82.5°	453.7	451.9	444.6	437.2	475.9	514.5	539.8	565.2	563.6	561.9
283.2	85°	273.8	264.3	244.1	223.8	260.0	296.3	327.6	358.9	356.3	353.7
131.6	87.5°	131.2	130.8	115.4	99.8	115.0	130.3	142.9	155.6	152.5	149.1
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°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3108.3	2.5°	3099.3	3088.2	3099.3	3108.3	3117.1	3126.8	3136.5	3148.9	3161.3	3176.7
2912.1	5°	2902.8	2893.7	2902.8	2912.1	2921.4	2933.5	2945.6	2962.7	2979.8	3004.4
2794.6	7.5°	2786.4	2780.1	2786.4	2794.6	2803.0	2816.8	2830.8	2851.1	2871.5	2900.5
2762.6	10°	2755.6	2752.7	2755.6	2762.6	2769.7	2782.9	2796.1	2819.0	2841.7	2876.6
2812.0	12.5°	2806.0	2804.9	2806.0	2812.0	2818.0	2832.6	2847.3	2876.7	2906.1	2950.5
2904.8	15°	2896.9	2896.3	2896.9	2904.8	2912.6	2933.0	2953.5	2998.1	3042.7	3105.9
2984.9	17.5°	2974.9	2973.3	2974.9	2984.9	2994.8	3025.2	3055.5	3121.3	3187.1	3270.8
3027.5	20°	3015.1	3011.2	3015.1	3027.5	3039.9	3078.8	3117.5	3198.1	3278.7	3374.3
3024.2	22.5°	3010.5	3004.6	3010.5	3024.2	3037.9	3078.9	3119.7	3202.9	3285.9	3377.3
2972.8	25°	2960.0	2952.4	2960.0	2972.8	2985.7	3021.1	3056.6	3130.2	3204.1	3278.9
2879.3	27.5°	2873.5	2871.5	2873.5	2879.3	2885.2	2909.1	2932.8	2990.1	3047.4	3100.7
2756.0	30°	2756.0	2757.9	2756.0	2756.0	2756.0	2768.2	2780.4	2821.6	2862.6	2903.3
2612.5	32.5°	2613.7	2615.7	2613.7	2612.5	2611.5	2619.5	2627.4	2660.2	2692.9	2730.4
2465.6	35°	2463.0	2461.7	2463.0	2465.6	2468.2	2480.2	2492.3	2522.5	2552.8	2579.3
2321.9	37.5°	2310.2	2303.7	2310.2	2321.9	2333.5	2355.4	2377.5	2405.4	2433.2	2445.5
2186.5	40°	2165.1	2152.3	2165.1	2186.5	2208.2	2240.0	2272.1	2295.8	2319.4	2316.5
2054.3	42.5°	2022.8	2002.2	2022.8	2054.3	2085.7	2125.6	2165.4	2185.2	2205.2	2190.2
1932.4	45°	1895.4	1871.7	1895.4	1932.4	1969.3	2014.7	2060.3	2078.2	2096.2	2074.7
1862.0	47.5°	1828.0	1805.1	1828.0	1862.0	1896.2	1936.7	1977.2	1989.7	2002.2	1977.4
1831.2	50°	1799.6	1777.7	1799.6	1831.2	1862.8	1895.2	1927.6	1928.1	1928.9	1897.0
1813.1	52.5°	1784.9	1764.7	1784.9	1813.1	1841.4	1867.8	1894.1	1887.4	1880.6	1842.8
1792.1	55°	1767.3	1749.0	1767.3	1792.1	1816.9	1839.8	1862.8	1853.4	1844.0	1803.9
1758.7	57.5°	1734.0	1715.1	1734.0	1758.7	1783.2	1806.4	1829.7	1820.1	1810.6	1770.4
1713.0	60°	1687.7	1668.1	1687.7	1713.0	1738.3	1760.9	1783.6	1773.1	1762.7	1722.2
1642.5	62.5°	1615.9	1592.4	1615.9	1642.5	1669.1	1689.6	1710.1	1700.1	1690.0	1652.9
1545.6	65°	1519.9	1499.7	1519.9	1545.6	1571.5	1591.2	1610.9	1600.7	1590.4	1557.8
1437.6	67.5°	1413.6	1395.3	1413.6	1437.6	1461.6	1479.6	1497.7	1487.8	1477.8	1449.6
1324.3	70°	1301.3	1280.4	1301.3	1324.3	1347.3	1362.0	1376.7	1367.1	1357.4	1332.0
1197.2	72.5°	1175.4	1155.1	1175.4	1197.2	1219.1	1231.3	1243.6	1232.1	1220.6	1195.7
1054.5	75°	1036.1	1016.8	1036.1	1054.5	1072.9	1078.9	1084.9	1072.9	1060.9	1038.2
895.4	77.5°	876.8	861.4	876.8	895.4	913.9	922.5	930.9	919.7	908.4	884.7
724.9	80°	699.9	670.9	699.9	724.9	749.9	753.4	757.0	742.2	727.3	709.3
540.9	82.5°	519.7	501.2	519.7	540.9	561.9	563.6	565.2	539.8	514.5	475.9
337.3	85°	320.8	304.1	320.8	337.3	353.7	356.3	358.9	327.6	296.3	260.0
140.7	87.5°	132.1	124.0	132.1	140.7	149.1	152.5	155.6	142.9	130.3	115.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3191.9	2.5°	3211.6	3231.5	3251.2	3270.9	3293.3	3315.9	3340.9	3365.9	3396.8	3424.6
3028.8	5°	3060.6	3092.3	3127.3	3162.3	3201.8	3241.5	3288.9	3336.2	3390.3	3445.1
2929.6	7.5°	2968.3	3007.2	3051.4	3095.3	3147.5	3199.8	3262.5	3325.4	3395.5	3470.3
2911.3	10°	2955.0	2998.8	3046.3	3093.6	3145.9	3198.1	3264.4	3330.7	3406.0	3498.3
2994.8	12.5°	3040.0	3085.3	3122.4	3159.7	3194.1	3228.9	3282.9	3337.2	3407.3	3504.3
3169.1	15°	3208.4	3247.7	3257.3	3267.0	3262.3	3257.6	3283.4	3309.4	3365.5	3472.9
3354.4	17.5°	3386.0	3417.7	3387.6	3357.3	3300.4	3243.5	3234.1	3224.6	3259.1	3385.5
3469.9	20°	3484.7	3499.3	3436.0	3372.7	3273.8	3175.0	3130.6	3086.2	3095.3	3242.4
3468.6	22.5°	3459.9	3451.0	3368.7	3286.3	3173.3	3060.5	2994.8	2929.2	2911.3	3078.8
3353.8	25°	3323.6	3293.3	3212.3	3131.2	3029.7	2928.3	2852.6	2776.9	2728.6	2900.2
3154.1	27.5°	3120.3	3086.6	3021.6	2956.6	2873.3	2789.9	2716.8	2643.7	2585.0	2741.2
2943.9	30°	2916.5	2889.1	2835.1	2781.2	2712.0	2642.8	2584.6	2526.7	2480.6	2611.8
2767.7	32.5°	2737.2	2706.8	2655.0	2603.3	2547.9	2492.7	2458.4	2424.1	2403.6	2509.3
2605.9	35°	2569.3	2532.8	2481.5	2430.3	2388.3	2346.1	2336.6	2327.2	2335.7	2423.8
2457.7	37.5°	2412.6	2367.4	2316.3	2265.2	2235.1	2204.8	2215.2	2225.7	2256.7	2333.7
2313.5	40°	2261.4	2209.5	2160.1	2110.8	2089.0	2067.2	2090.8	2114.5	2162.1	2231.9
2175.2	42.5°	2119.0	2062.9	2016.0	1969.3	1951.4	1933.7	1965.0	1996.3	2056.4	2120.7
2053.1	45°	1994.9	1936.7	1892.3	1847.9	1832.8	1817.9	1848.3	1878.9	1937.0	2002.2
1952.6	47.5°	1895.2	1837.8	1794.4	1751.0	1737.0	1722.9	1748.5	1774.1	1824.1	1908.2
1865.2	50°	1813.7	1762.3	1721.5	1680.5	1658.4	1636.5	1659.1	1681.8	1739.9	1850.5
1805.1	52.5°	1757.1	1709.2	1671.7	1634.1	1601.2	1568.2	1590.5	1613.0	1694.2	1821.4
1764.0	55°	1722.1	1680.1	1639.6	1599.2	1552.4	1505.6	1540.9	1576.4	1698.7	1817.1
1730.1	57.5°	1688.4	1646.9	1599.4	1551.9	1501.5	1451.1	1502.8	1554.5	1703.3	1807.7
1681.8	60°	1639.5	1597.3	1542.8	1488.2	1444.1	1399.9	1466.9	1533.9	1689.0	1757.9
1615.9	62.5°	1570.8	1525.8	1462.1	1398.5	1370.5	1342.4	1426.1	1509.9	1653.7	1662.2
1525.2	65°	1482.1	1439.0	1370.7	1302.6	1291.9	1281.1	1370.2	1459.2	1568.9	1567.8
1421.4	67.5°	1380.7	1339.8	1276.8	1213.9	1217.3	1220.6	1294.8	1368.9	1430.5	1433.4
1306.5	70°	1271.3	1236.0	1180.7	1125.4	1137.1	1148.9	1201.6	1254.3	1274.6	1274.6
1170.8	72.5°	1138.9	1107.1	1063.6	1020.0	1037.1	1054.4	1090.5	1126.7	1126.4	1113.6
1015.5	75°	986.6	957.8	925.4	893.0	909.6	926.1	954.0	981.8	986.7	927.8
860.8	77.5°	836.0	811.2	785.0	758.6	775.3	792.0	814.3	836.6	839.3	742.0
691.1	80°	670.2	649.3	627.6	605.6	619.7	633.7	652.5	671.1	671.5	555.4
437.2	82.5°	444.6	451.9	453.7	455.5	465.4	475.4	484.5	493.6	488.2	389.0
223.8	85°	244.1	264.3	273.8	283.2	294.3	305.4	315.2	325.0	317.8	244.1
99.8	87.5°	115.4	130.8	131.2	131.6	133.7	135.7	139.7	143.6	134.4	103.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3401.4	0°	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4	3401.4
3453.4	2.5°	3482.1	3512.1	3542.1	3571.9	3601.8	3629.8	3657.9
3503.2	5°	3561.3	3623.4	3685.7	3747.4	3809.3	3871.3	3933.3
3551.4	7.5°	3632.4	3724.5	3816.5	3911.0	4005.5	4107.7	4210.0
3594.3	10°	3690.1	3802.0	3913.7	4038.5	4163.4	4292.8	4422.1
3612.7	12.5°	3721.2	3853.0	3984.8	4126.3	4267.8	4409.8	4552.0
3598.5	15°	3724.1	3875.9	4027.7	4181.2	4334.6	4482.8	4630.9
3536.5	17.5°	3687.5	3863.7	4039.9	4207.4	4374.8	4525.1	4675.3
3429.6	20°	3616.8	3830.3	4043.8	4227.9	4411.9	4568.2	4724.3
3304.2	22.5°	3529.6	3789.3	4049.1	4255.6	4461.9	4621.5	4781.0
3164.1	25°	3428.2	3748.9	4069.7	4305.7	4541.5	4697.8	4854.1
3036.1	27.5°	3330.9	3721.8	4112.8	4384.0	4655.1	4804.3	4953.3
2929.1	30°	3246.4	3709.2	4171.8	4485.4	4799.0	4943.0	5087.1
2836.8	32.5°	3164.1	3693.5	4222.7	4591.3	4959.9	5102.4	5245.0
2746.1	35°	3068.3	3664.0	4260.0	4711.9	5163.7	5300.4	5436.9
2639.3	37.5°	2944.8	3613.5	4282.2	4846.9	5411.7	5585.8	5760.0
2511.9	40°	2791.9	3543.9	4296.1	5018.5	5740.6	5994.4	6248.1
2371.3	42.5°	2621.9	3472.2	4322.6	5242.8	6163.0	6529.3	6895.5
2222.0	45°	2441.8	3405.5	4369.2	5538.1	6706.9	7200.9	7694.9
2103.9	47.5°	2299.5	3350.4	4401.2	5852.6	7304.0	7999.5	8694.7
2025.4	50°	2200.3	3290.3	4380.3	6144.5	7908.6	8957.0	10005.2
1973.8	52.5°	2126.2	3188.9	4251.8	6334.0	8416.1	9962.8	11509.5
1936.3	55°	2055.5	3020.8	3986.2	6292.2	8598.2	10854.5	13111.0
1891.9	57.5°	1976.1	2783.8	3591.3	5998.3	8405.4	11486.5	14567.6
1824.1	60°	1890.2	2476.0	3061.8	5451.3	7840.7	11644.4	15448.0
1706.1	62.5°	1750.0	2107.7	2465.3	4711.6	6957.9	10979.4	15000.9
1588.6	65°	1609.3	1776.3	1943.2	3956.9	5970.7	10038.5	14106.2
1421.9	67.5°	1410.3	1457.8	1505.2	3217.6	4930.1	8918.7	12907.4
1220.9	70°	1167.1	1153.7	1140.1	2533.4	3926.8	7696.9	11467.0
1037.5	72.5°	961.3	920.3	879.5	1936.8	2994.2	6372.4	9750.7
842.4	75°	757.0	720.0	682.9	1405.7	2128.6	4854.0	7579.4
659.1	77.5°	576.3	550.9	525.7	952.6	1379.4	3397.4	5415.4
485.3	80°	415.1	404.6	394.2	613.7	833.4	2188.9	3544.3
337.3	82.5°	285.6	283.5	281.7	377.5	473.5	1266.9	2060.3
206.2	85°	168.4	169.4	170.3	201.8	233.4	569.9	906.5
88.2	87.5°	72.8	73.7	74.7	83.7	92.7	186.6	280.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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