

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: P950153

Luminaire Tested: **GALN-SB4C-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950153
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-SB4C-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21672 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

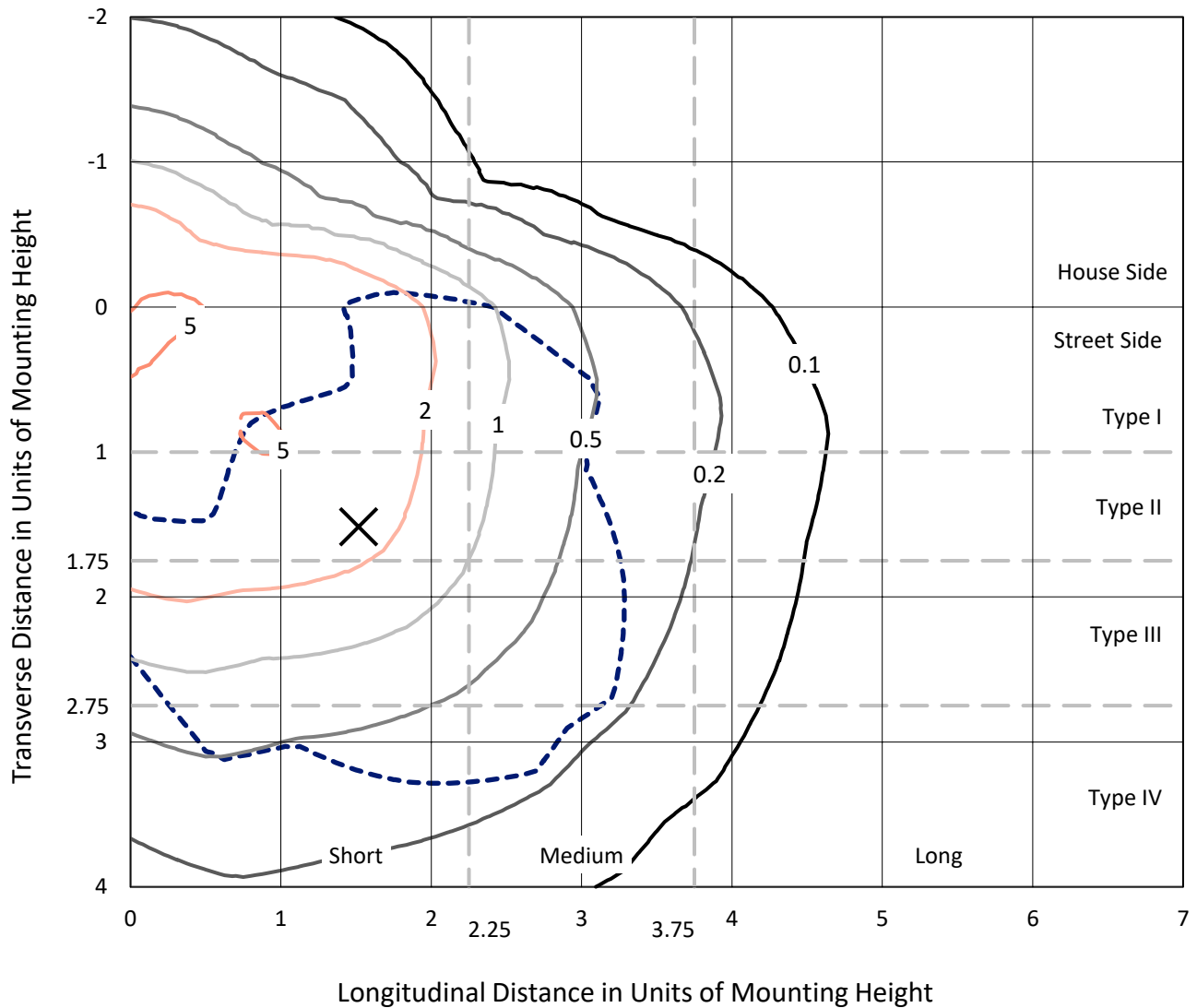
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

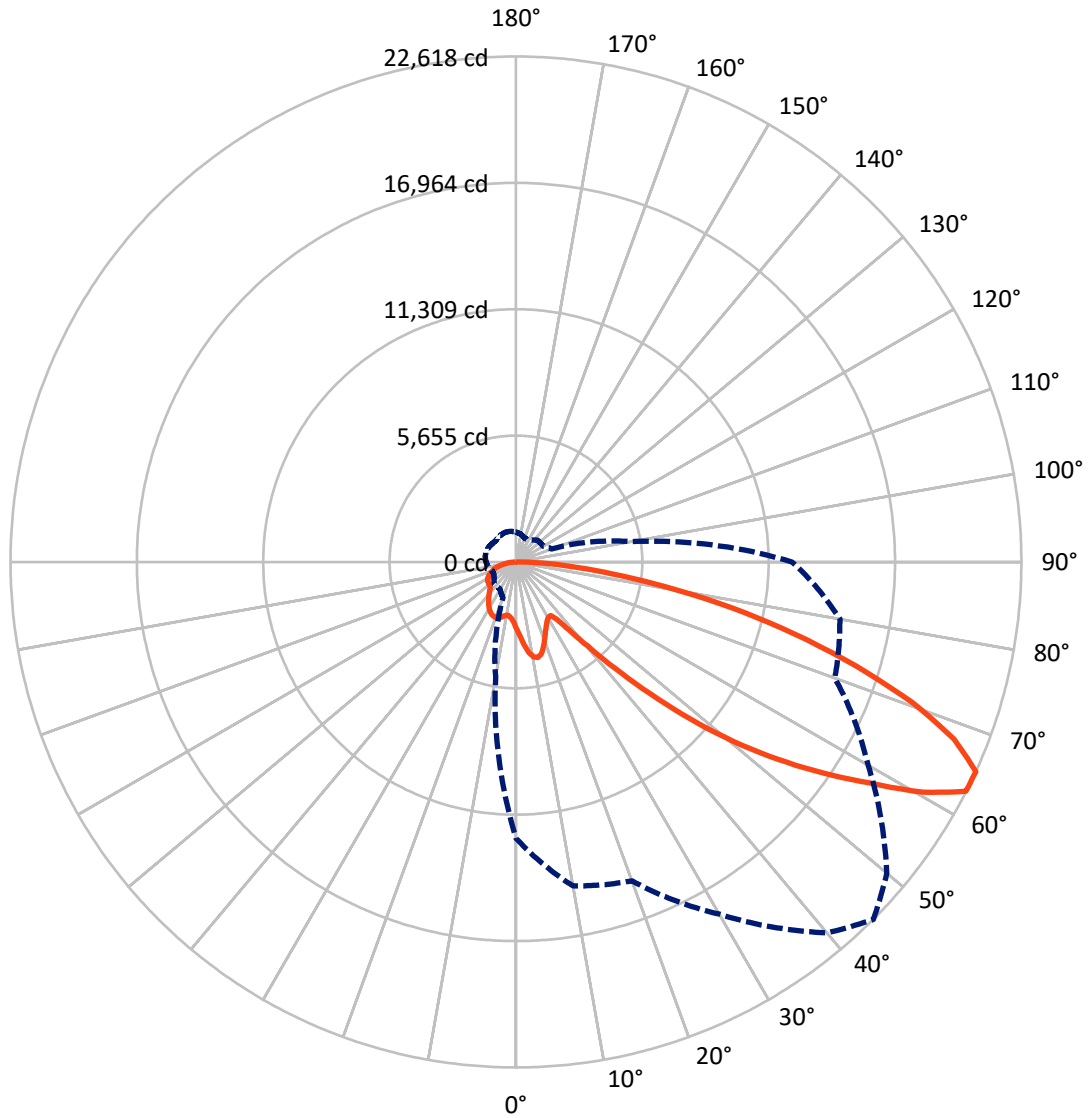
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	5507.9	0.0	5507.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16164.1	0.0	16164.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	21672.0	0.0	21672.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	1.4
10°-20°	928.0	4.3
20°-30°	1433.5	6.6
30°-40°	1816.6	8.4
40°-50°	2739.8	12.6
50°-60°	4426.6	20.4
60°-70°	5518.5	25.5
70°-80°	3618.7	16.7
80°-90°	894.6	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°	21672.0	100.0
0°-180°	21672.0	100.0



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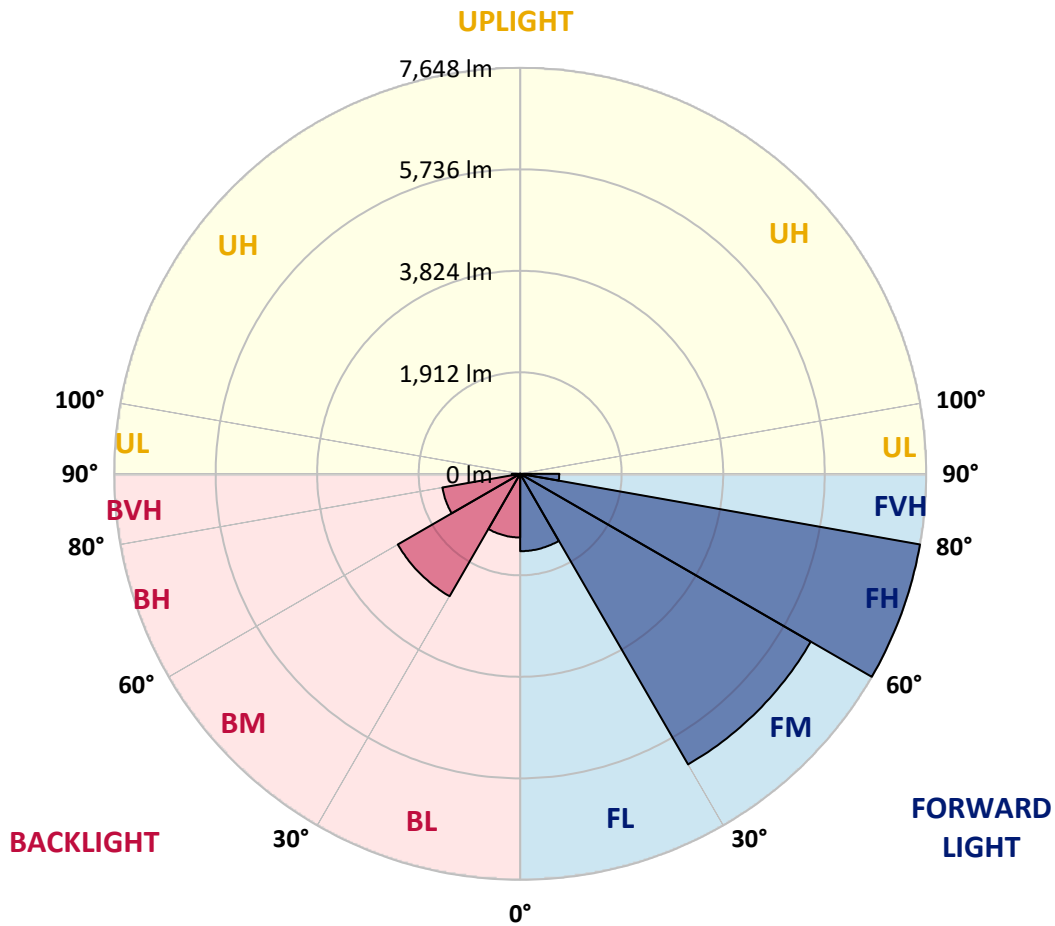
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.7	6.7			
FM (30°-60°)	6321.2	29.2			
FH (60°-80°)	7648.1	35.3			G4/12000
FVH (80°-90°)	737.0	3.4			G4/750
BL (0°-30°)	1199.4	5.5	B3/2500		
BM (30°-60°)	2661.8	12.3	B3/5000		
BH (60°-80°)	1489.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	157.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
2.5°	3204.8	3216.9	3229.2	3246.4	3263.7	3274.0	3284.3	3289.4	3294.6	3292.3
5°	3446.1	3488.5	3531.0	3573.1	3615.3	3638.2	3661.1	3674.9	3688.9	3699.4
7.5°	3688.5	3757.6	3826.5	3888.6	3950.7	3988.1	4025.5	4045.8	4065.9	4075.6
10°	3874.3	3956.0	4037.6	4110.5	4183.3	4227.5	4271.4	4291.1	4310.6	4318.0
12.5°	3988.1	4076.6	4165.0	4230.9	4296.5	4328.6	4360.6	4371.3	4382.1	4383.2
15°	4057.3	4133.7	4210.0	4251.3	4292.7	4293.8	4294.9	4283.5	4272.1	4258.6
17.5°	4096.2	4147.8	4199.3	4200.1	4200.8	4154.5	4108.2	4065.8	4023.2	3993.3
20°	4139.1	4157.0	4175.1	4120.8	4066.5	3964.2	3862.0	3787.5	3713.1	3667.4
22.5°	4188.8	4165.3	4141.7	4029.2	3916.7	3766.3	3615.9	3522.8	3429.7	3379.2
25°	4252.9	4178.5	4104.2	3933.3	3762.5	3579.9	3397.3	3299.4	3201.7	3153.9
27.5°	4339.8	4206.9	4073.9	3847.6	3621.4	3419.0	3216.6	3120.3	3024.1	2978.9
30°	4457.0	4258.8	4060.7	3782.2	3503.6	3292.7	3081.9	2992.6	2903.2	2861.2
32.5°	4595.3	4324.0	4052.7	3737.6	3422.4	3224.2	3026.1	2956.0	2885.7	2855.4
35°	4763.5	4431.4	4099.4	3771.0	3442.7	3305.0	3167.4	3151.0	3134.7	3132.2
37.5°	5046.5	4655.8	4265.2	3966.7	3668.3	3659.4	3650.4	3725.2	3800.0	3838.9
40°	5474.2	5049.3	4624.5	4402.5	4180.6	4337.2	4493.9	4675.7	4857.6	4948.1
42.5°	6041.4	5619.9	5198.3	5070.5	4942.6	5284.3	5626.0	5956.7	6287.5	6481.6
45°	6741.8	6363.2	5984.4	5928.0	5871.5	6419.0	6966.5	7509.9	8053.4	8383.4
47.5°	7617.7	7249.4	6881.0	6869.5	6858.1	7647.8	8437.3	9232.9	10028.3	10495.5
50°	8765.9	8310.9	7855.9	7857.9	7859.8	8877.6	9895.4	10945.5	11995.6	12630.5
52.5°	10083.8	9532.8	8982.0	8926.3	8870.5	10086.2	11301.9	12601.2	13900.4	14661.4
55°	11486.9	10942.6	10398.3	10181.1	9964.0	11317.0	12669.9	14218.9	15767.8	16672.9
57.5°	12763.1	12466.7	12170.2	11734.6	11299.2	12665.4	14031.6	15786.0	17540.3	18662.7
60°	13534.5	13994.9	14455.4	13914.5	13373.6	14666.5	15959.4	17837.8	19716.1	20929.2
62.5°	13142.8	14400.8	15658.8	15597.9	15536.8	16721.2	17905.7	19692.8	21479.8	22601.1
65°	12358.9	13539.6	14720.3	14954.0	15187.5	16692.6	18197.9	19930.8	21663.6	22618.2
67.5°	11308.5	12431.5	13554.5	13664.0	13773.5	15341.7	16909.9	18650.2	20390.6	21138.5
70°	10046.6	11268.1	12489.6	12538.5	12587.6	13990.1	15392.4	16890.1	18387.7	18803.4
72.5°	8542.9	9944.5	11346.3	11381.5	11416.6	12513.8	13611.1	14732.8	15854.4	15896.5
75°	6640.6	8091.3	9542.0	9672.2	9802.5	10656.2	11509.8	12299.4	13089.1	12877.5
77.5°	4744.6	6098.8	7453.1	7639.5	7825.9	8474.8	9123.8	9683.8	10243.9	9880.3
80°	3105.3	4244.6	5383.8	5615.5	5847.2	6337.3	6827.2	7121.3	7415.3	6830.4
82.5°	1805.1	2584.0	3362.9	3621.7	3880.6	4218.0	4555.3	4678.0	4800.6	4340.9
85°	794.2	1207.6	1621.0	1841.1	2061.2	2338.4	2615.5	2685.2	2754.8	2386.6
87.5°	245.9	384.8	523.7	646.6	769.4	908.0	1046.6	1052.5	1058.4	888.5
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°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
3294.6	2.5°	3289.4	3284.3	3274.0	3263.7	3246.4	3229.2	3216.9	3204.8	3180.2	3155.6
3688.9	5°	3674.9	3661.1	3638.2	3615.3	3573.1	3531.0	3488.5	3446.1	3391.8	3337.4
4065.9	7.5°	4045.8	4025.5	3988.1	3950.7	3888.6	3826.5	3757.6	3688.5	3598.9	3509.3
4310.6	10°	4291.1	4271.4	4227.5	4183.3	4110.5	4037.6	3956.0	3874.3	3761.0	3647.7
4382.1	12.5°	4371.3	4360.6	4328.6	4296.5	4230.9	4165.0	4076.6	3988.1	3863.6	3739.2
4272.1	15°	4283.5	4294.9	4293.8	4292.7	4251.3	4210.0	4133.7	4057.3	3927.5	3797.7
4023.2	17.5°	4065.8	4108.2	4154.5	4200.8	4200.1	4199.3	4147.8	4096.2	3964.6	3832.9
3713.1	20°	3787.5	3862.0	3964.2	4066.5	4120.8	4175.1	4157.0	4139.1	4002.3	3865.4
3429.7	22.5°	3522.8	3615.9	3766.3	3916.7	4029.2	4141.7	4165.3	4188.8	4049.1	3909.2
3201.7	25°	3299.4	3397.3	3579.9	3762.5	3933.3	4104.2	4178.5	4252.9	4115.9	3979.0
3024.1	27.5°	3120.3	3216.6	3419.0	3621.4	3847.6	4073.9	4206.9	4339.8	4209.2	4078.5
2903.2	30°	2992.6	3081.9	3292.7	3503.6	3782.2	4060.7	4258.8	4457.0	4330.7	4204.6
2885.7	32.5°	2956.0	3026.1	3224.2	3422.4	3737.6	4052.7	4324.0	4595.3	4470.4	4345.5
3134.7	35°	3151.0	3167.4	3305.0	3442.7	3771.0	4099.4	4431.4	4763.5	4643.8	4524.1
3800.0	37.5°	3725.2	3650.4	3659.4	3668.3	3966.7	4265.2	4655.8	5046.5	4893.9	4741.4
4857.6	40°	4675.7	4493.9	4337.2	4180.6	4402.5	4624.5	5049.3	5474.2	5251.9	5029.6
6287.5	42.5°	5956.7	5626.0	5284.3	4942.6	5070.5	5198.3	5619.9	6041.4	5720.5	5399.6
8053.4	45°	7509.9	6966.5	6419.0	5871.5	5928.0	5984.4	6363.2	6741.8	6309.0	5876.1
10028.3	47.5°	9232.9	8437.3	7647.8	6858.1	6869.5	6881.0	7249.4	7617.7	7008.6	6399.3
11995.6	50°	10945.5	9895.4	8877.6	7859.8	7857.9	7855.9	8310.9	8765.9	7847.5	6929.0
13900.4	52.5°	12601.2	11301.9	10086.2	8870.5	8926.3	8982.0	9532.8	10083.8	8728.7	7373.6
15767.8	55°	14218.9	12669.9	11317.0	9964.0	10181.1	10398.3	10942.6	11486.9	9510.0	7533.1
17540.3	57.5°	15786.0	14031.6	12665.4	11299.2	11734.6	12170.2	12466.7	12763.1	10063.7	7364.2
19716.1	60°	17837.8	15959.4	14666.5	13373.6	13914.5	14455.4	13994.9	13534.5	10202.1	6869.5
21479.8	62.5°	19692.8	17905.7	16721.2	15536.8	15597.9	15658.8	14400.8	13142.8	9619.4	6096.0
21663.6	65°	19930.8	18197.9	16692.6	15187.5	14954.0	14720.3	13539.6	12358.9	8795.0	5231.2
20390.6	67.5°	18650.2	16909.9	15341.7	13773.5	13664.0	13554.5	12431.5	11308.5	7814.0	4319.4
18387.7	70°	16890.1	15392.4	13990.1	12587.6	12538.5	12489.6	11268.1	10046.6	6743.5	3440.4
15854.4	72.5°	14732.8	13611.1	12513.8	11416.6	11381.5	11346.3	9944.5	8542.9	5583.0	2623.3
13089.1	75°	12299.4	11509.8	10656.2	9802.5	9672.2	9542.0	8091.3	6640.6	4252.7	1864.9
10243.9	77.5°	9683.8	9123.8	8474.8	7825.9	7639.5	7453.1	6098.8	4744.6	2976.5	1208.5
7415.3	80°	7121.3	6827.2	6337.3	5847.2	5615.5	5383.8	4244.6	3105.3	1917.7	730.2
4800.6	82.5°	4678.0	4555.3	4218.0	3880.6	3621.7	3362.9	2584.0	1805.1	1109.9	414.9
2754.8	85°	2685.2	2615.5	2338.4	2061.2	1841.1	1621.0	1207.6	794.2	499.3	204.5
1058.4	87.5°	1052.5	1046.6	908.0	769.4	646.6	523.7	384.8	245.9	163.5	81.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
3129.4	2.5°	3103.4	3077.1	3050.8	3025.6	3000.4	2976.1	2949.0	2927.0	2905.2	2885.4
3283.2	5°	3229.2	3174.6	3120.2	3069.3	3018.4	2970.4	2922.9	2881.5	2840.0	2805.2
3426.5	7.5°	3343.7	3263.1	3182.5	3111.5	3040.5	2974.9	2913.5	2858.4	2803.4	2757.7
3538.3	10°	3428.9	3331.0	3233.0	3149.1	3064.9	2984.1	2918.1	2860.0	2801.9	2756.2
3615.2	12.5°	3491.3	3375.8	3260.3	3165.2	3070.2	2985.2	2923.8	2876.3	2828.9	2798.5
3663.2	15°	3528.8	3395.8	3262.8	3152.8	3042.8	2948.6	2899.5	2876.7	2854.1	2858.2
3686.2	17.5°	3539.5	3385.1	3230.8	3098.4	2966.1	2855.4	2825.1	2833.5	2841.7	2891.6
3704.2	20°	3542.9	3355.9	3168.8	3004.8	2840.8	2711.9	2703.9	2742.8	2781.7	2868.2
3728.4	22.5°	3547.5	3319.9	3092.4	2894.9	2697.4	2550.7	2566.4	2623.9	2681.4	2780.2
3772.3	25°	3565.6	3284.5	3003.5	2772.2	2541.0	2390.6	2432.9	2499.2	2565.6	2654.4
3840.9	27.5°	3603.3	3260.8	2918.3	2660.0	2401.7	2264.8	2316.3	2380.3	2444.3	2517.4
3929.8	30°	3655.0	3249.7	2844.2	2566.2	2288.2	2173.3	2213.7	2264.5	2315.5	2376.1
4022.5	32.5°	3699.6	3236.0	2772.2	2485.4	2198.5	2105.8	2123.8	2153.9	2183.9	2232.3
4128.2	35°	3732.3	3210.2	2688.3	2405.9	2123.6	2046.4	2038.9	2047.2	2055.5	2092.5
4246.6	37.5°	3751.8	3165.9	2580.1	2312.4	2044.7	1977.2	1950.0	1940.8	1931.7	1958.2
4396.8	40°	3764.0	3105.0	2446.0	2200.8	1955.5	1894.3	1852.5	1831.8	1811.2	1830.2
4593.4	42.5°	3787.2	3042.1	2297.2	2077.6	1858.0	1801.7	1749.1	1721.6	1694.2	1709.7
4852.1	45°	3828.0	2983.6	2139.4	1946.8	1754.2	1697.0	1646.1	1619.4	1592.7	1605.8
5127.7	47.5°	3856.0	2935.4	2014.7	1843.3	1671.9	1598.1	1554.3	1531.9	1509.5	1521.8
5383.4	50°	3837.7	2882.8	1927.8	1774.6	1621.3	1524.3	1473.5	1453.6	1433.8	1453.0
5549.4	52.5°	3725.1	2793.9	1862.8	1729.3	1595.8	1484.3	1413.2	1393.5	1374.0	1402.9
5512.8	55°	3492.4	2646.6	1800.9	1696.5	1592.0	1488.3	1381.2	1350.1	1319.1	1360.1
5255.3	57.5°	3146.5	2439.0	1731.3	1657.6	1583.8	1492.3	1362.0	1316.7	1271.4	1315.5
4776.0	60°	2682.5	2169.3	1656.1	1598.1	1540.1	1479.8	1343.9	1285.2	1226.5	1265.2
4128.0	62.5°	2159.9	1846.6	1533.3	1494.7	1456.3	1448.9	1322.9	1249.4	1176.1	1200.7
3466.8	65°	1702.5	1556.3	1410.0	1391.8	1373.6	1374.5	1278.5	1200.5	1122.4	1131.9
2819.1	67.5°	1318.7	1277.2	1235.6	1245.8	1255.8	1253.3	1199.4	1134.4	1069.4	1066.5
2219.6	70°	998.9	1010.8	1022.6	1069.7	1116.7	1116.7	1098.9	1052.8	1006.6	996.3
1696.9	72.5°	770.5	806.3	842.2	909.0	975.7	986.9	987.1	955.4	923.8	908.7
1231.6	75°	598.3	630.8	663.3	738.0	812.8	864.5	860.2	835.8	811.3	796.9
834.6	77.5°	460.6	482.7	504.9	577.5	650.1	735.3	733.0	713.5	693.9	679.3
537.7	80°	345.4	354.5	363.6	425.2	486.6	588.4	588.0	571.7	555.2	543.0
330.7	82.5°	246.8	248.4	250.2	295.5	340.8	427.7	432.5	424.5	416.5	407.8
176.8	85°	149.2	148.4	147.5	180.7	213.8	278.5	284.7	276.2	267.6	257.9
73.3	87.5°	65.4	64.6	63.8	77.3	90.9	117.8	125.8	122.4	118.9	117.1
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°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
2865.7	2.5°	2848.5	2831.2	2813.8	2796.5	2783.2	2769.7	2758.8	2747.9	2739.5	2731.0
2770.6	5°	2739.9	2709.3	2681.5	2653.6	2632.2	2610.7	2595.7	2580.8	2570.1	2559.5
2711.9	7.5°	2673.4	2634.7	2600.7	2566.7	2541.2	2515.8	2498.0	2480.1	2467.9	2455.8
2710.4	10°	2668.9	2627.3	2589.0	2550.7	2520.3	2489.7	2469.8	2449.7	2438.2	2426.6
2768.3	12.5°	2735.6	2703.1	2663.4	2623.9	2585.0	2546.1	2520.4	2494.7	2481.7	2468.9
2862.3	15°	2853.8	2845.4	2811.0	2776.5	2721.2	2665.8	2626.7	2587.6	2569.7	2551.8
2941.4	17.5°	2968.0	2994.4	2966.6	2938.9	2865.6	2792.3	2734.7	2677.0	2650.5	2623.9
2954.9	20°	3010.4	3065.9	3053.0	3040.1	2956.3	2872.6	2801.9	2731.4	2697.4	2663.3
2879.2	22.5°	2951.4	3023.5	3031.3	3039.0	2958.9	2878.9	2806.2	2733.3	2697.5	2661.6
2743.4	25°	2814.4	2885.4	2911.9	2938.3	2872.7	2807.2	2742.5	2678.0	2646.9	2615.9
2590.4	27.5°	2647.3	2704.3	2733.8	2763.4	2716.6	2670.0	2619.8	2569.6	2548.7	2527.8
2436.7	30°	2483.9	2531.2	2555.3	2579.3	2543.7	2508.0	2472.1	2436.0	2425.4	2414.6
2280.8	32.5°	2326.1	2371.5	2398.1	2424.9	2392.2	2359.4	2330.7	2302.0	2295.0	2288.0
2129.3	35°	2174.1	2219.1	2251.1	2283.1	2259.8	2236.6	2210.0	2183.6	2173.0	2162.4
1984.6	37.5°	2029.3	2074.2	2113.7	2153.3	2142.6	2131.8	2107.4	2083.0	2063.6	2044.4
1849.3	40°	1892.6	1935.8	1981.3	2026.9	2029.6	2032.1	2011.4	1990.7	1962.6	1934.7
1725.4	42.5°	1766.3	1807.4	1856.6	1905.7	1918.9	1932.0	1914.5	1897.1	1862.3	1827.4
1619.0	45°	1657.9	1696.8	1747.8	1798.8	1817.7	1836.5	1820.8	1805.1	1765.2	1725.4
1534.1	47.5°	1572.2	1610.1	1660.4	1710.7	1732.5	1754.2	1743.2	1732.2	1696.8	1661.3
1472.3	50°	1508.2	1544.0	1589.1	1634.1	1662.0	1689.9	1689.2	1688.8	1660.4	1632.1
1431.7	52.5°	1464.7	1497.5	1539.4	1581.5	1614.6	1647.6	1653.6	1659.5	1636.4	1613.3
1401.1	55°	1436.5	1472.0	1508.8	1545.5	1580.5	1615.6	1623.8	1632.1	1611.9	1591.8
1359.7	57.5°	1401.3	1442.9	1479.3	1515.8	1551.1	1586.3	1594.7	1603.0	1582.7	1562.3
1303.9	60°	1351.7	1399.5	1436.4	1473.5	1508.9	1544.4	1553.5	1562.7	1542.8	1523.0
1225.3	62.5°	1281.0	1336.8	1376.3	1415.7	1448.2	1480.7	1489.5	1498.3	1480.3	1462.4
1141.3	65°	1201.0	1260.8	1298.5	1336.2	1364.8	1393.4	1402.4	1411.4	1394.1	1376.8
1063.5	67.5°	1118.6	1173.9	1209.6	1245.3	1270.0	1294.7	1303.5	1312.2	1296.3	1280.5
986.0	70°	1034.5	1082.9	1113.8	1144.7	1167.0	1189.3	1197.8	1206.2	1193.3	1180.4
893.7	72.5°	931.9	970.0	997.9	1025.8	1047.6	1069.4	1079.5	1089.6	1078.8	1068.1
782.4	75°	810.8	839.1	864.4	889.7	909.6	929.5	940.0	950.5	945.3	940.0
664.6	77.5°	687.7	710.7	732.4	754.2	775.1	795.9	805.7	815.6	808.3	800.7
530.6	80°	549.8	568.9	587.2	605.5	621.4	637.2	650.2	663.3	660.1	657.0
399.1	82.5°	397.5	395.9	389.5	383.1	416.9	450.8	473.0	495.2	493.8	492.3
248.1	85°	239.9	231.6	213.8	196.1	227.8	259.6	287.0	314.5	312.2	309.9
115.3	87.5°	114.9	114.6	101.1	87.5	100.7	114.1	125.2	136.3	133.6	130.6
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°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
2723.2	2.5°	2715.4	2705.6	2715.4	2723.2	2731.0	2739.5	2747.9	2758.8	2769.7	2783.2
2551.4	5°	2543.3	2535.2	2543.3	2551.4	2559.5	2570.1	2580.8	2595.7	2610.7	2632.2
2448.5	7.5°	2441.2	2435.8	2441.2	2448.5	2455.8	2467.9	2480.1	2498.0	2515.8	2541.2
2420.4	10°	2414.3	2411.7	2414.3	2420.4	2426.6	2438.2	2449.7	2469.8	2489.7	2520.3
2463.7	12.5°	2458.4	2457.5	2458.4	2463.7	2468.9	2481.7	2494.7	2520.4	2546.1	2585.0
2545.0	15°	2538.1	2537.5	2538.1	2545.0	2551.8	2569.7	2587.6	2626.7	2665.8	2721.2
2615.2	17.5°	2606.4	2605.0	2606.4	2615.2	2623.9	2650.5	2677.0	2734.7	2792.3	2865.6
2652.5	20°	2641.6	2638.2	2641.6	2652.5	2663.3	2697.4	2731.4	2801.9	2872.6	2956.3
2649.6	22.5°	2637.6	2632.4	2637.6	2649.6	2661.6	2697.5	2733.3	2806.2	2878.9	2958.9
2604.5	25°	2593.3	2586.7	2593.3	2604.5	2615.9	2646.9	2678.0	2742.5	2807.2	2872.7
2522.7	27.5°	2517.5	2515.8	2517.5	2522.7	2527.8	2548.7	2569.6	2619.8	2670.0	2716.6
2414.6	30°	2414.6	2416.3	2414.6	2414.6	2414.6	2425.4	2436.0	2472.1	2508.0	2543.7
2288.9	32.5°	2290.0	2291.7	2290.0	2288.9	2288.0	2295.0	2302.0	2330.7	2359.4	2392.2
2160.2	35°	2157.9	2156.7	2157.9	2160.2	2162.4	2173.0	2183.6	2210.0	2236.6	2259.8
2034.3	37.5°	2024.1	2018.4	2024.1	2034.3	2044.4	2063.6	2083.0	2107.4	2131.8	2142.6
1915.7	40°	1896.9	1885.7	1896.9	1915.7	1934.7	1962.6	1990.7	2011.4	2032.1	2029.6
1799.8	42.5°	1772.3	1754.2	1772.3	1799.8	1827.4	1862.3	1897.1	1914.5	1932.0	1918.9
1693.0	45°	1660.7	1639.8	1660.7	1693.0	1725.4	1765.2	1805.1	1820.8	1836.5	1817.7
1631.4	47.5°	1601.5	1581.5	1601.5	1631.4	1661.3	1696.8	1732.2	1743.2	1754.2	1732.5
1604.4	50°	1576.7	1557.5	1576.7	1604.4	1632.1	1660.4	1688.8	1689.2	1689.9	1662.0
1588.5	52.5°	1563.8	1546.1	1563.8	1588.5	1613.3	1636.4	1659.5	1653.6	1647.6	1614.6
1570.1	55°	1548.4	1532.4	1548.4	1570.1	1591.8	1611.9	1632.1	1623.8	1615.6	1580.5
1540.8	57.5°	1519.2	1502.6	1519.2	1540.8	1562.3	1582.7	1603.0	1594.7	1586.3	1551.1
1500.8	60°	1478.6	1461.5	1478.6	1500.8	1523.0	1542.8	1562.7	1553.5	1544.4	1508.9
1439.0	62.5°	1415.7	1395.1	1415.7	1439.0	1462.4	1480.3	1498.3	1489.5	1480.7	1448.2
1354.2	65°	1331.7	1313.9	1331.7	1354.2	1376.8	1394.1	1411.4	1402.4	1393.4	1364.8
1259.5	67.5°	1238.5	1222.5	1238.5	1259.5	1280.5	1296.3	1312.2	1303.5	1294.7	1270.0
1160.2	70°	1140.1	1121.8	1140.1	1160.2	1180.4	1193.3	1206.2	1197.8	1189.3	1167.0
1048.9	72.5°	1029.8	1012.0	1029.8	1048.9	1068.1	1078.8	1089.6	1079.5	1069.4	1047.6
923.9	75°	907.7	890.8	907.7	923.9	940.0	945.3	950.5	940.0	929.5	909.6
784.5	77.5°	768.2	754.7	768.2	784.5	800.7	808.3	815.6	805.7	795.9	775.1
635.1	80°	613.2	587.8	613.2	635.1	657.0	660.1	663.3	650.2	637.2	621.4
473.9	82.5°	455.4	439.1	455.4	473.9	492.3	493.8	495.2	473.0	450.8	416.9
295.5	85°	281.1	266.4	281.1	295.5	309.9	312.2	314.5	287.0	259.6	227.8
123.3	87.5°	115.7	108.6	115.7	123.3	130.6	133.6	136.3	125.2	114.1	100.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
2796.5	2.5°	2813.8	2831.2	2848.5	2865.7	2885.4	2905.2	2927.0	2949.0	2976.1	3000.4
2653.6	5°	2681.5	2709.3	2739.9	2770.6	2805.2	2840.0	2881.5	2922.9	2970.4	3018.4
2566.7	7.5°	2600.7	2634.7	2673.4	2711.9	2757.7	2803.4	2858.4	2913.5	2974.9	3040.5
2550.7	10°	2589.0	2627.3	2668.9	2710.4	2756.2	2801.9	2860.0	2918.1	2984.1	3064.9
2623.9	12.5°	2663.4	2703.1	2735.6	2768.3	2798.5	2828.9	2876.3	2923.8	2985.2	3070.2
2776.5	15°	2811.0	2845.4	2853.8	2862.3	2858.2	2854.1	2876.7	2899.5	2948.6	3042.8
2938.9	17.5°	2966.6	2994.4	2968.0	2941.4	2891.6	2841.7	2833.5	2825.1	2855.4	2966.1
3040.1	20°	3053.0	3065.9	3010.4	2954.9	2868.2	2781.7	2742.8	2703.9	2711.9	2840.8
3039.0	22.5°	3031.3	3023.5	2951.4	2879.2	2780.2	2681.4	2623.9	2566.4	2550.7	2697.4
2938.3	25°	2911.9	2885.4	2814.4	2743.4	2654.4	2565.6	2499.2	2432.9	2390.6	2541.0
2763.4	27.5°	2733.8	2704.3	2647.3	2590.4	2517.4	2444.3	2380.3	2316.3	2264.8	2401.7
2579.3	30°	2555.3	2531.2	2483.9	2436.7	2376.1	2315.5	2264.5	2213.7	2173.3	2288.2
2424.9	32.5°	2398.1	2371.5	2326.1	2280.8	2232.3	2183.9	2153.9	2123.8	2105.8	2198.5
2283.1	35°	2251.1	2219.1	2174.1	2129.3	2092.5	2055.5	2047.2	2038.9	2046.4	2123.6
2153.3	37.5°	2113.7	2074.2	2029.3	1984.6	1958.2	1931.7	1940.8	1950.0	1977.2	2044.7
2026.9	40°	1981.3	1935.8	1892.6	1849.3	1830.2	1811.2	1831.8	1852.5	1894.3	1955.5
1905.7	42.5°	1856.6	1807.4	1766.3	1725.4	1709.7	1694.2	1721.6	1749.1	1801.7	1858.0
1798.8	45°	1747.8	1696.8	1657.9	1619.0	1605.8	1592.7	1619.4	1646.1	1697.0	1754.2
1710.7	47.5°	1660.4	1610.1	1572.2	1534.1	1521.8	1509.5	1531.9	1554.3	1598.1	1671.9
1634.1	50°	1589.1	1544.0	1508.2	1472.3	1453.0	1433.8	1453.6	1473.5	1524.3	1621.3
1581.5	52.5°	1539.4	1497.5	1464.7	1431.7	1402.9	1374.0	1393.5	1413.2	1484.3	1595.8
1545.5	55°	1508.8	1472.0	1436.5	1401.1	1360.1	1319.1	1350.1	1381.2	1488.3	1592.0
1515.8	57.5°	1479.3	1442.9	1401.3	1359.7	1315.5	1271.4	1316.7	1362.0	1492.3	1583.8
1473.5	60°	1436.4	1399.5	1351.7	1303.9	1265.2	1226.5	1285.2	1343.9	1479.8	1540.1
1415.7	62.5°	1376.3	1336.8	1281.0	1225.3	1200.7	1176.1	1249.4	1322.9	1448.9	1456.3
1336.2	65°	1298.5	1260.8	1201.0	1141.3	1131.9	1122.4	1200.5	1278.5	1374.5	1373.6
1245.3	67.5°	1209.6	1173.9	1118.6	1063.5	1066.5	1069.4	1134.4	1199.4	1253.3	1255.8
1144.7	70°	1113.8	1082.9	1034.5	986.0	996.3	1006.6	1052.8	1098.9	1116.7	1116.7
1025.8	72.5°	997.9	970.0	931.9	893.7	908.7	923.8	955.4	987.1	986.9	975.7
889.7	75°	864.4	839.1	810.8	782.4	796.9	811.3	835.8	860.2	864.5	812.8
754.2	77.5°	732.4	710.7	687.7	664.6	679.3	693.9	713.5	733.0	735.3	650.1
605.5	80°	587.2	568.9	549.8	530.6	543.0	555.2	571.7	588.0	588.4	486.6
383.1	82.5°	389.5	395.9	397.5	399.1	407.8	416.5	424.5	432.5	427.7	340.8
196.1	85°	213.8	231.6	239.9	248.1	257.9	267.6	276.2	284.7	278.5	213.8
87.5	87.5°	101.1	114.6	114.9	115.3	117.1	118.9	122.4	125.8	117.8	90.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
2980.1	0°	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1	2980.1
3025.6	2.5°	3050.8	3077.1	3103.4	3129.4	3155.6	3180.2	3204.8
3069.3	5°	3120.2	3174.6	3229.2	3283.2	3337.4	3391.8	3446.1
3111.5	7.5°	3182.5	3263.1	3343.7	3426.5	3509.3	3598.9	3688.5
3149.1	10°	3233.0	3331.0	3428.9	3538.3	3647.7	3761.0	3874.3
3165.2	12.5°	3260.3	3375.8	3491.3	3615.2	3739.2	3863.6	3988.1
3152.8	15°	3262.8	3395.8	3528.8	3663.2	3797.7	3927.5	4057.3
3098.4	17.5°	3230.8	3385.1	3539.5	3686.2	3832.9	3964.6	4096.2
3004.8	20°	3168.8	3355.9	3542.9	3704.2	3865.4	4002.3	4139.1
2894.9	22.5°	3092.4	3319.9	3547.5	3728.4	3909.2	4049.1	4188.8
2772.2	25°	3003.5	3284.5	3565.6	3772.3	3979.0	4115.9	4252.9
2660.0	27.5°	2918.3	3260.8	3603.3	3840.9	4078.5	4209.2	4339.8
2566.2	30°	2844.2	3249.7	3655.0	3929.8	4204.6	4330.7	4457.0
2485.4	32.5°	2772.2	3236.0	3699.6	4022.5	4345.5	4470.4	4595.3
2405.9	35°	2688.3	3210.2	3732.3	4128.2	4524.1	4643.8	4763.5
2312.4	37.5°	2580.1	3165.9	3751.8	4246.6	4741.4	4893.9	5046.5
2200.8	40°	2446.0	3105.0	3764.0	4396.8	5029.6	5251.9	5474.2
2077.6	42.5°	2297.2	3042.1	3787.2	4593.4	5399.6	5720.5	6041.4
1946.8	45°	2139.4	2983.6	3828.0	4852.1	5876.1	6309.0	6741.8
1843.3	47.5°	2014.7	2935.4	3856.0	5127.7	6399.3	7008.6	7617.7
1774.6	50°	1927.8	2882.8	3837.7	5383.4	6929.0	7847.5	8765.9
1729.3	52.5°	1862.8	2793.9	3725.1	5549.4	7373.6	8728.7	10083.8
1696.5	55°	1800.9	2646.6	3492.4	5512.8	7533.1	9510.0	11486.9
1657.6	57.5°	1731.3	2439.0	3146.5	5255.3	7364.2	10063.7	12763.1
1598.1	60°	1656.1	2169.3	2682.5	4776.0	6869.5	10202.1	13534.5
1494.7	62.5°	1533.3	1846.6	2159.9	4128.0	6096.0	9619.4	13142.8
1391.8	65°	1410.0	1556.3	1702.5	3466.8	5231.2	8795.0	12358.9
1245.8	67.5°	1235.6	1277.2	1318.7	2819.1	4319.4	7814.0	11308.5
1069.7	70°	1022.6	1010.8	998.9	2219.6	3440.4	6743.5	10046.6
909.0	72.5°	842.2	806.3	770.5	1696.9	2623.3	5583.0	8542.9
738.0	75°	663.3	630.8	598.3	1231.6	1864.9	4252.7	6640.6
577.5	77.5°	504.9	482.7	460.6	834.6	1208.5	2976.5	4744.6
425.2	80°	363.6	354.5	345.4	537.7	730.2	1917.7	3105.3
295.5	82.5°	250.2	248.4	246.8	330.7	414.9	1109.9	1805.1
180.7	85°	147.5	148.4	149.2	176.8	204.5	499.3	794.2
77.3	87.5°	63.8	64.6	65.4	73.3	81.2	163.5	245.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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