

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: P947507

Luminaire Tested: **GALN-SB2D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947507
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-SB2D-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18220 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

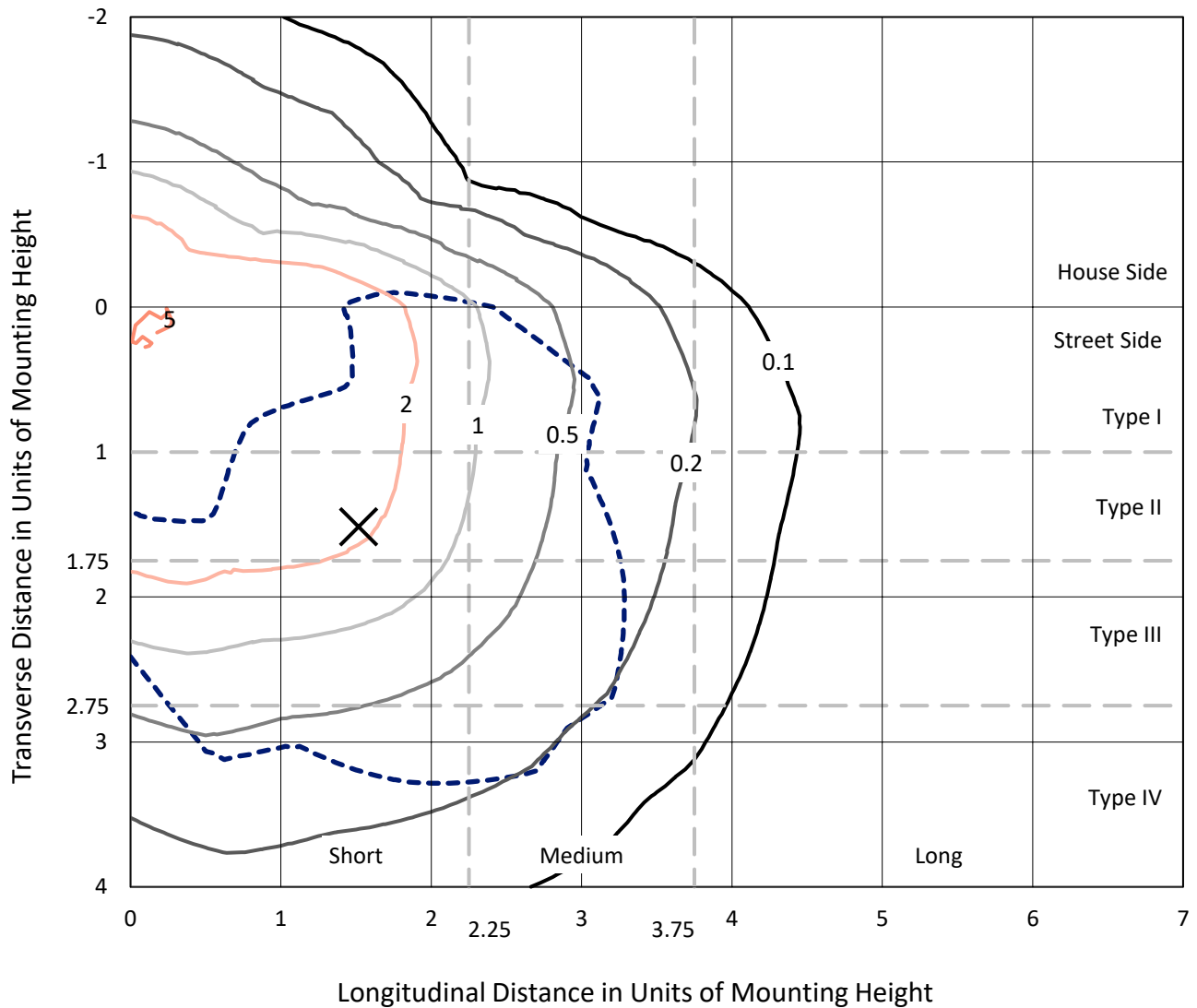
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

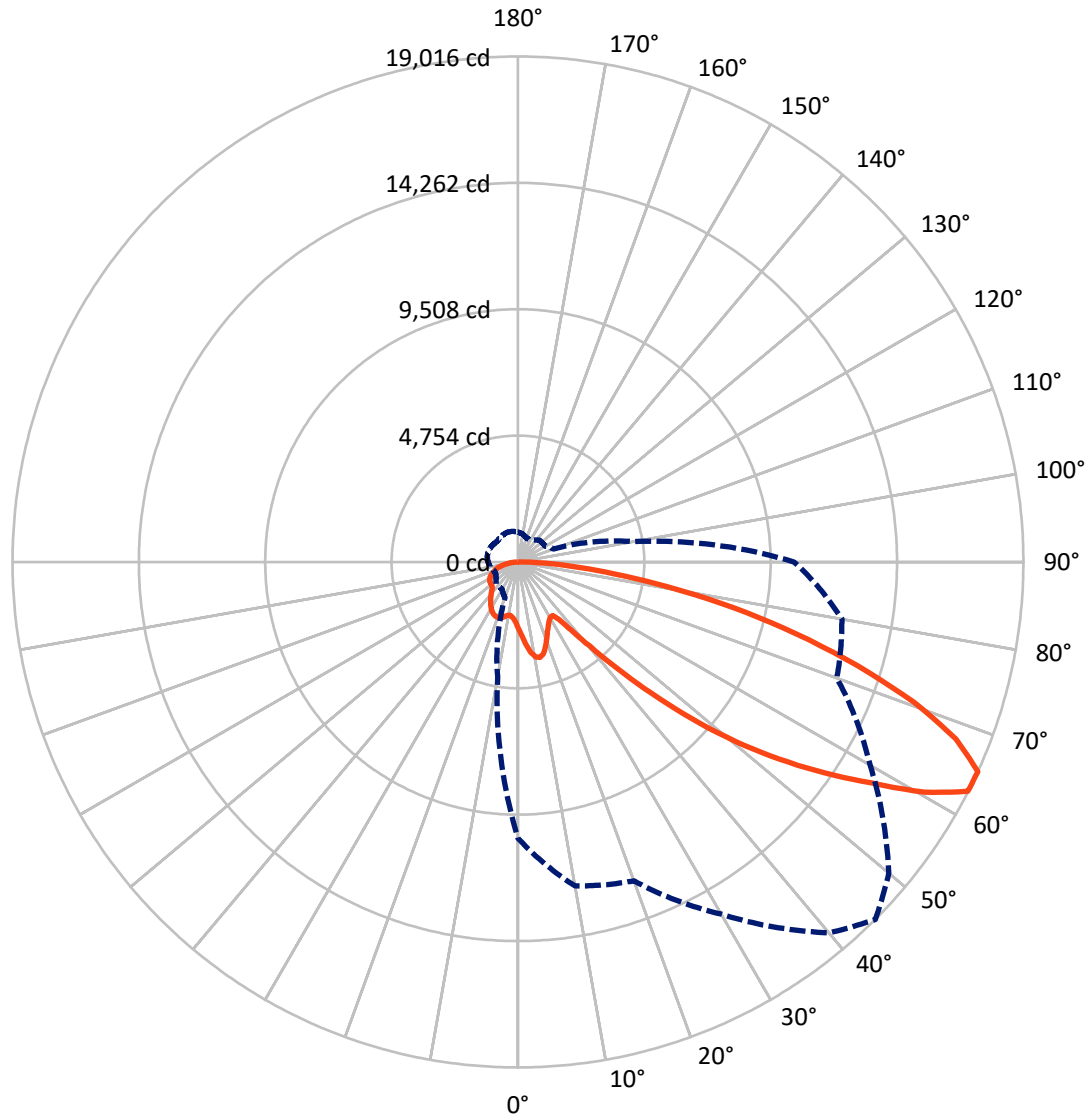
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	4630.6	0.0	4630.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13589.4	0.0	13589.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	18220.0	0.0	18220.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.4
10°-20°	780.2	4.3
20°-30°	1205.1	6.6
30°-40°	1527.2	8.4
40°-50°	2303.4	12.6
50°-60°	3721.5	20.4
60°-70°	4639.5	25.5
70°-80°	3042.3	16.7
80°-90°	752.1	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°	18220.0	100.0
0°-180°	18220.0	100.0



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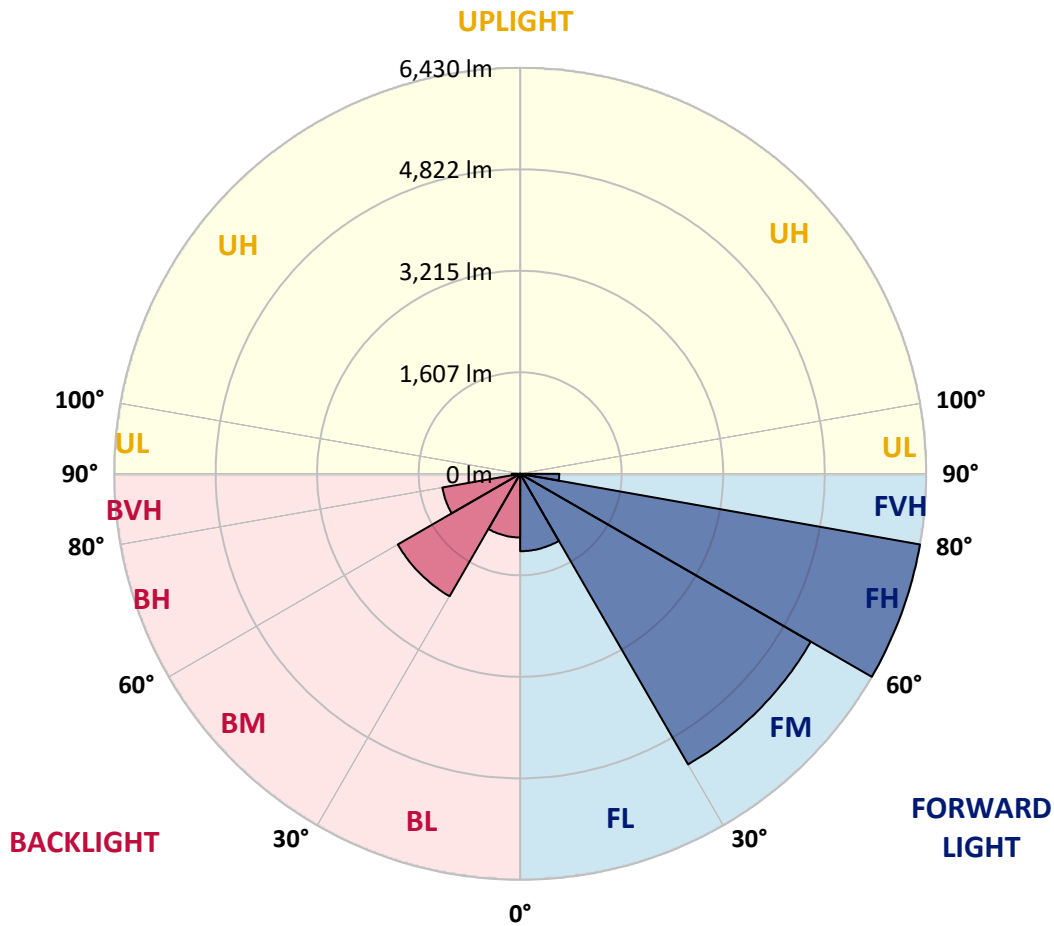
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.5	6.7			
FM (30°-60°)	5314.4	29.2			
FH (60°-80°)	6429.9	35.3			G3/7500
FVH (80°-90°)	619.6	3.4			G4/750
BL (0°-30°)	1008.4	5.5	B3/2500		
BM (30°-60°)	2237.8	12.3	B2/2500		
BH (60°-80°)	1251.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	132.5	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°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2.5°	2694.3	2704.5	2714.8	2729.3	2743.8	2752.5	2761.1	2765.5	2769.8	2767.9
5°	2897.2	2932.8	2968.6	3004.0	3039.5	3058.7	3077.9	3089.6	3101.3	3110.1
7.5°	3101.0	3159.1	3217.0	3269.2	3321.4	3352.9	3384.3	3401.3	3418.3	3426.4
10°	3257.2	3325.9	3394.5	3455.8	3517.0	3554.1	3591.0	3607.6	3624.0	3630.2
12.5°	3352.9	3427.3	3501.6	3557.0	3612.2	3639.1	3666.0	3675.0	3684.1	3685.0
15°	3411.0	3475.3	3539.4	3574.1	3608.9	3609.9	3610.8	3601.2	3591.6	3580.3
17.5°	3443.7	3487.1	3530.5	3531.1	3531.7	3492.8	3453.8	3418.2	3382.4	3357.2
20°	3479.8	3494.9	3510.1	3464.4	3418.7	3332.8	3246.8	3184.3	3121.7	3083.2
22.5°	3521.6	3501.8	3482.0	3387.4	3292.8	3166.4	3039.9	2961.7	2883.4	2840.9
25°	3575.4	3513.0	3450.5	3306.8	3163.2	3009.7	2856.1	2773.8	2691.7	2651.5
27.5°	3648.5	3536.8	3425.0	3234.7	3044.6	2874.4	2704.2	2623.3	2542.4	2504.4
30°	3747.1	3580.4	3413.9	3179.7	2945.5	2768.3	2591.0	2515.9	2440.8	2405.4
32.5°	3863.4	3635.2	3407.2	3142.2	2877.3	2710.7	2544.1	2485.1	2426.1	2400.6
35°	4004.7	3725.5	3446.4	3170.3	2894.3	2778.5	2662.9	2649.1	2635.4	2633.3
37.5°	4242.7	3914.2	3585.8	3334.9	3084.0	3076.5	3069.0	3131.9	3194.7	3227.4
40°	4602.2	4245.1	3887.9	3701.3	3514.7	3646.4	3778.1	3931.0	4083.8	4160.0
42.5°	5079.1	4724.7	4370.3	4262.8	4155.4	4442.6	4729.9	5007.9	5286.0	5449.2
45°	5667.9	5349.6	5031.2	4983.8	4936.3	5396.5	5856.8	6313.7	6770.7	7048.0
47.5°	6404.4	6094.7	5784.9	5775.3	5765.7	6429.6	7093.4	7762.2	8431.0	8823.7
50°	7369.6	6987.1	6604.6	6606.3	6607.9	7463.5	8319.2	9202.0	10084.9	10618.7
52.5°	8477.6	8014.4	7551.3	7504.5	7457.6	8479.6	9501.7	10594.0	11686.3	12326.1
55°	9657.3	9199.6	8742.0	8559.4	8376.9	9514.4	10651.8	11954.0	13256.3	14017.2
57.5°	10730.2	10481.0	10231.7	9865.5	9499.4	10648.0	11796.6	13271.5	14746.4	15690.0
60°	11378.6	11765.7	12152.9	11698.1	11243.4	12330.3	13417.3	14996.5	16575.7	17595.5
62.5°	11049.4	12107.0	13164.6	13113.4	13062.1	14057.8	15053.6	16556.1	18058.4	19001.1
65°	10390.3	11383.0	12375.6	12572.0	12768.3	14033.7	15299.2	16756.1	18212.9	19015.5
67.5°	9507.3	10451.4	11395.5	11487.6	11579.6	12898.0	14216.4	15679.6	17142.7	17771.5
70°	8446.4	9473.2	10500.2	10541.4	10582.6	11761.7	12940.6	14199.8	15458.8	15808.3
72.5°	7182.1	8360.5	9539.0	9568.6	9598.1	10520.6	11443.1	12386.1	13329.0	13364.4
75°	5582.8	6802.5	8022.1	8131.6	8241.1	8958.8	9676.5	10340.3	11004.2	10826.3
77.5°	3988.8	5127.3	6265.9	6422.6	6579.3	7124.9	7670.5	8141.3	8612.2	8306.5
80°	2610.7	3568.5	4526.3	4721.0	4915.8	5327.9	5739.7	5987.0	6234.2	5742.4
82.5°	1517.6	2172.4	2827.3	3044.8	3262.5	3546.1	3829.7	3932.9	4036.0	3649.5
85°	667.7	1015.2	1362.8	1547.9	1732.9	1966.0	2198.9	2257.5	2316.0	2006.4
87.5°	206.7	323.5	440.3	543.6	646.8	763.4	879.9	884.9	889.8	747.0
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°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2769.8	2.5°	2765.5	2761.1	2752.5	2743.8	2729.3	2714.8	2704.5	2694.3	2673.7	2653.0
3101.3	5°	3089.6	3077.9	3058.7	3039.5	3004.0	2968.6	2932.8	2897.2	2851.5	2805.8
3418.3	7.5°	3401.3	3384.3	3352.9	3321.4	3269.2	3217.0	3159.1	3101.0	3025.6	2950.3
3624.0	10°	3607.6	3591.0	3554.1	3517.0	3455.8	3394.5	3325.9	3257.2	3161.9	3066.7
3684.1	12.5°	3675.0	3666.0	3639.1	3612.2	3557.0	3501.6	3427.3	3352.9	3248.2	3143.6
3591.6	15°	3601.2	3610.8	3609.9	3608.9	3574.1	3539.4	3475.3	3411.0	3301.9	3192.8
3382.4	17.5°	3418.2	3453.8	3492.8	3531.7	3531.1	3530.5	3487.1	3443.7	3333.1	3222.4
3121.7	20°	3184.3	3246.8	3332.8	3418.7	3464.4	3510.1	3494.9	3479.8	3364.8	3249.7
2883.4	22.5°	2961.7	3039.9	3166.4	3292.8	3387.4	3482.0	3501.8	3521.6	3404.1	3286.5
2691.7	25°	2773.8	2856.1	3009.7	3163.2	3306.8	3450.5	3513.0	3575.4	3460.3	3345.2
2542.4	27.5°	2623.3	2704.2	2874.4	3044.6	3234.7	3425.0	3536.8	3648.5	3538.7	3428.8
2440.8	30°	2515.9	2591.0	2768.3	2945.5	3179.7	3413.9	3580.4	3747.1	3640.9	3534.9
2426.1	32.5°	2485.1	2544.1	2710.7	2877.3	3142.2	3407.2	3635.2	3863.4	3758.3	3653.3
2635.4	35°	2649.1	2662.9	2778.5	2894.3	3170.3	3446.4	3725.5	4004.7	3904.1	3803.5
3194.7	37.5°	3131.9	3069.0	3076.5	3084.0	3334.9	3585.8	3914.2	4242.7	4114.4	3986.2
4083.8	40°	3931.0	3778.1	3646.4	3514.7	3701.3	3887.9	4245.1	4602.2	4415.3	4228.4
5286.0	42.5°	5007.9	4729.9	4442.6	4155.4	4262.8	4370.3	4724.7	5079.1	4809.3	4539.5
6770.7	45°	6313.7	5856.8	5396.5	4936.3	4983.8	5031.2	5349.6	5667.9	5304.0	4940.2
8431.0	47.5°	7762.2	7093.4	6429.6	5765.7	5775.3	5784.9	6094.7	6404.4	5892.2	5380.0
10084.9	50°	9202.0	8319.2	7463.5	6607.9	6606.3	6604.6	6987.1	7369.6	6597.5	5825.3
11686.3	52.5°	10594.0	9501.7	8479.6	7457.6	7504.5	7551.3	8014.4	8477.6	7338.4	6199.1
13256.3	55°	11954.0	10651.8	9514.4	8376.9	8559.4	8742.0	9199.6	9657.3	7995.2	6333.2
14746.4	57.5°	13271.5	11796.6	10648.0	9499.4	9865.5	10231.7	10481.0	10730.2	8460.7	6191.2
16575.7	60°	14996.5	13417.3	12330.3	11243.4	11698.1	12152.9	11765.7	11378.6	8577.0	5775.3
18058.4	62.5°	16556.1	15053.6	14057.8	13062.1	13113.4	13164.6	12107.0	11049.4	8087.2	5125.0
18212.9	65°	16756.1	15299.2	14033.7	12768.3	12572.0	12375.6	11383.0	10390.3	7394.1	4397.9
17142.7	67.5°	15679.6	14216.4	12898.0	11579.6	11487.6	11395.5	10451.4	9507.3	6569.3	3631.4
15458.8	70°	14199.8	12940.6	11761.7	10582.6	10541.4	10500.2	9473.2	8446.4	5669.4	2892.4
13329.0	72.5°	12386.1	11443.1	10520.6	9598.1	9568.6	9539.0	8360.5	7182.1	4693.7	2205.5
11004.2	75°	10340.3	9676.5	8958.8	8241.1	8131.6	8022.1	6802.5	5582.8	3575.3	1567.9
8612.2	77.5°	8141.3	7670.5	7124.9	6579.3	6422.6	6265.9	5127.3	3988.8	2502.4	1016.0
6234.2	80°	5987.0	5739.7	5327.9	4915.8	4721.0	4526.3	3568.5	2610.7	1612.3	613.9
4036.0	82.5°	3932.9	3829.7	3546.1	3262.5	3044.8	2827.3	2172.4	1517.6	933.1	348.8
2316.0	85°	2257.5	2198.9	1966.0	1732.9	1547.9	1362.8	1015.2	667.7	419.7	171.9
889.8	87.5°	884.9	879.9	763.4	646.8	543.6	440.3	323.5	206.7	137.5	68.3
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°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2631.0	2.5°	2609.0	2586.9	2564.8	2543.7	2522.5	2502.0	2479.3	2460.8	2442.4	2425.8
2760.3	5°	2714.8	2668.9	2623.2	2580.4	2537.6	2497.2	2457.3	2422.5	2387.6	2358.4
2880.7	7.5°	2811.1	2743.4	2675.6	2615.9	2556.2	2501.1	2449.5	2403.1	2356.9	2318.4
2974.7	10°	2882.8	2800.5	2718.1	2647.5	2576.7	2508.8	2453.3	2404.5	2355.6	2317.2
3039.4	12.5°	2935.2	2838.1	2740.9	2661.1	2581.2	2509.7	2458.1	2418.1	2378.3	2352.7
3079.7	15°	2966.7	2854.9	2743.1	2650.6	2558.1	2479.0	2437.6	2418.5	2399.5	2402.9
3099.1	17.5°	2975.7	2845.9	2716.1	2604.9	2493.7	2400.6	2375.1	2382.2	2389.1	2431.0
3114.2	20°	2978.6	2821.3	2664.0	2526.2	2388.3	2280.0	2273.2	2305.9	2338.6	2411.4
3134.5	22.5°	2982.5	2791.1	2599.8	2433.8	2267.7	2144.4	2157.6	2205.9	2254.3	2337.4
3171.5	25°	2997.6	2761.3	2525.1	2330.6	2136.2	2009.8	2045.4	2101.1	2156.9	2231.6
3229.1	27.5°	3029.4	2741.4	2453.5	2236.3	2019.1	1904.1	1947.3	2001.2	2055.0	2116.4
3303.8	30°	3072.8	2732.1	2391.2	2157.5	1923.8	1827.1	1861.1	1903.8	1946.6	1997.6
3381.8	32.5°	3110.3	2720.6	2330.6	2089.5	1848.3	1770.4	1785.5	1810.8	1836.1	1876.7
3470.7	35°	3137.8	2698.8	2260.1	2022.7	1785.3	1720.4	1714.2	1721.1	1728.1	1759.2
3570.2	37.5°	3154.2	2661.6	2169.1	1944.0	1719.0	1662.3	1639.4	1631.7	1624.0	1646.3
3696.5	40°	3164.4	2610.4	2056.4	1850.2	1644.0	1592.6	1557.5	1540.1	1522.7	1538.7
3861.7	42.5°	3184.0	2557.5	1931.3	1746.7	1562.1	1514.7	1470.5	1447.4	1424.3	1437.4
4079.2	45°	3218.3	2508.4	1798.6	1636.7	1474.8	1426.7	1383.9	1361.4	1339.0	1350.0
4310.9	47.5°	3241.8	2467.8	1693.8	1549.7	1405.6	1343.6	1306.7	1287.9	1269.0	1279.4
4525.9	50°	3226.5	2423.6	1620.7	1491.9	1363.1	1281.5	1238.8	1222.0	1205.4	1221.6
4665.5	52.5°	3131.8	2348.9	1566.1	1453.8	1341.6	1247.9	1188.1	1171.6	1155.1	1179.4
4634.7	55°	2936.1	2225.1	1514.0	1426.2	1338.5	1251.3	1161.2	1135.0	1109.0	1143.5
4418.2	57.5°	2645.3	2050.5	1455.6	1393.5	1331.5	1254.6	1145.0	1107.0	1068.9	1106.0
4015.3	60°	2255.3	1823.8	1392.3	1343.6	1294.8	1244.1	1129.8	1080.5	1031.1	1063.7
3470.5	62.5°	1815.9	1552.5	1289.0	1256.6	1224.3	1218.1	1112.1	1050.4	988.8	1009.5
2914.6	65°	1431.3	1308.4	1185.4	1170.1	1154.8	1155.6	1074.8	1009.3	943.6	951.6
2370.0	67.5°	1108.7	1073.8	1038.8	1047.3	1055.8	1053.7	1008.3	953.7	899.1	896.6
1866.1	70°	839.8	849.8	859.7	899.3	938.8	938.8	923.9	885.1	846.2	837.6
1426.6	72.5°	647.8	677.9	708.1	764.2	820.3	829.7	829.9	803.2	776.6	763.9
1035.4	75°	503.0	530.3	557.6	620.5	683.4	726.8	723.2	702.7	682.1	670.0
701.6	77.5°	387.3	405.8	424.5	485.5	546.6	618.2	616.3	599.8	583.4	571.1
452.1	80°	290.3	298.0	305.7	357.4	409.1	494.6	494.4	480.6	466.8	456.5
278.0	82.5°	207.5	208.8	210.4	248.4	286.5	359.6	363.6	356.9	350.1	342.8
148.6	85°	125.5	124.8	124.0	151.9	179.8	234.1	239.4	232.2	225.0	216.8
61.6	87.5°	55.0	54.3	53.6	65.0	76.4	99.0	105.8	102.9	100.0	98.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2409.3	2.5°	2394.7	2380.2	2365.6	2351.1	2339.9	2328.5	2319.4	2310.2	2303.1	2296.0
2329.3	5°	2303.5	2277.7	2254.4	2230.9	2212.9	2194.9	2182.3	2169.7	2160.7	2151.8
2280.0	7.5°	2247.6	2215.1	2186.4	2157.9	2136.4	2115.1	2100.1	2085.1	2074.8	2064.6
2278.7	10°	2243.8	2208.8	2176.6	2144.4	2118.8	2093.2	2076.4	2059.5	2049.8	2040.1
2327.4	12.5°	2299.9	2272.6	2239.2	2205.9	2173.2	2140.6	2118.9	2097.3	2086.4	2075.7
2406.4	15°	2399.3	2392.2	2363.2	2334.3	2287.7	2241.2	2208.3	2175.5	2160.4	2145.4
2472.9	17.5°	2495.2	2517.4	2494.1	2470.8	2409.2	2347.5	2299.1	2250.6	2228.3	2205.9
2484.3	20°	2530.9	2577.5	2566.7	2555.9	2485.4	2415.0	2355.6	2296.3	2267.7	2239.1
2420.6	22.5°	2481.3	2541.9	2548.5	2554.9	2487.6	2420.3	2359.2	2297.9	2267.8	2237.7
2306.4	25°	2366.1	2425.8	2448.1	2470.3	2415.1	2360.0	2305.6	2251.4	2225.3	2199.2
2177.8	27.5°	2225.6	2273.5	2298.3	2323.2	2283.9	2244.7	2202.5	2160.3	2142.8	2125.2
2048.5	30°	2088.3	2128.1	2148.2	2168.4	2138.5	2108.5	2078.4	2048.0	2039.0	2030.0
1917.5	32.5°	1955.6	1993.8	2016.2	2038.6	2011.2	1983.6	1959.4	1935.3	1929.4	1923.6
1790.1	35°	1827.8	1865.6	1892.5	1919.4	1899.8	1880.3	1858.0	1835.8	1826.9	1818.0
1668.5	37.5°	1706.1	1743.8	1777.1	1810.3	1801.3	1792.2	1771.8	1751.2	1734.9	1718.8
1554.8	40°	1591.1	1627.5	1665.7	1704.1	1706.3	1708.4	1691.0	1673.6	1650.0	1626.5
1450.6	42.5°	1485.0	1519.5	1560.8	1602.2	1613.2	1624.3	1609.6	1595.0	1565.6	1536.3
1361.1	45°	1393.8	1426.5	1469.4	1512.3	1528.1	1544.0	1530.7	1517.6	1484.0	1450.6
1289.7	47.5°	1321.7	1353.7	1396.0	1438.3	1456.5	1474.8	1465.6	1456.3	1426.5	1396.7
1237.8	50°	1268.0	1298.1	1336.0	1373.8	1397.3	1420.8	1420.2	1419.8	1396.0	1372.1
1203.7	52.5°	1231.4	1259.0	1294.2	1329.6	1357.4	1385.2	1390.2	1395.2	1375.8	1356.3
1177.9	55°	1207.7	1237.5	1268.5	1299.3	1328.8	1358.3	1365.2	1372.1	1355.2	1338.3
1143.1	57.5°	1178.1	1213.1	1243.7	1274.3	1304.0	1333.7	1340.7	1347.7	1330.6	1313.5
1096.2	60°	1136.4	1176.6	1207.6	1238.8	1268.6	1298.4	1306.1	1313.8	1297.0	1280.4
1030.1	62.5°	1077.0	1123.9	1157.0	1190.2	1217.5	1244.8	1252.2	1259.6	1244.5	1229.4
959.5	65°	1009.7	1059.9	1091.7	1123.4	1147.4	1171.5	1179.1	1186.6	1172.0	1157.5
894.1	67.5°	940.4	986.9	1017.0	1047.0	1067.7	1088.5	1095.9	1103.2	1089.8	1076.6
828.9	70°	869.7	910.4	936.4	962.4	981.1	999.9	1007.0	1014.1	1003.2	992.4
751.3	72.5°	783.4	815.5	838.9	862.4	880.7	899.1	907.6	916.0	907.0	897.9
657.8	75°	681.6	705.5	726.7	748.0	764.7	781.4	790.3	799.1	794.7	790.3
558.8	77.5°	578.2	597.5	615.8	634.0	651.6	669.1	677.4	685.7	679.5	673.2
446.1	80°	462.2	478.3	493.7	509.1	522.4	535.7	546.7	557.6	554.9	552.3
335.5	82.5°	334.2	332.8	327.5	322.1	350.5	379.0	397.6	416.3	415.1	413.9
208.6	85°	201.7	194.7	179.8	164.9	191.5	218.2	241.3	264.4	262.5	260.5
96.9	87.5°	96.6	96.3	85.0	73.5	84.7	95.9	105.3	114.6	112.3	109.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2289.5	2.5°	2282.8	2274.7	2282.8	2289.5	2296.0	2303.1	2310.2	2319.4	2328.5	2339.9
2145.0	5°	2138.2	2131.4	2138.2	2145.0	2151.8	2160.7	2169.7	2182.3	2194.9	2212.9
2058.5	7.5°	2052.4	2047.8	2052.4	2058.5	2064.6	2074.8	2085.1	2100.1	2115.1	2136.4
2034.9	10°	2029.7	2027.6	2029.7	2034.9	2040.1	2049.8	2059.5	2076.4	2093.2	2118.8
2071.2	12.5°	2066.8	2066.0	2066.8	2071.2	2075.7	2086.4	2097.3	2118.9	2140.6	2173.2
2139.6	15°	2133.8	2133.3	2133.8	2139.6	2145.4	2160.4	2175.5	2208.3	2241.2	2287.7
2198.6	17.5°	2191.2	2190.1	2191.2	2198.6	2205.9	2228.3	2250.6	2299.1	2347.5	2409.2
2230.0	20°	2220.8	2217.9	2220.8	2230.0	2239.1	2267.7	2296.3	2355.6	2415.0	2485.4
2227.6	22.5°	2217.5	2213.1	2217.5	2227.6	2237.7	2267.8	2297.9	2359.2	2420.3	2487.6
2189.7	25°	2180.3	2174.7	2180.3	2189.7	2199.2	2225.3	2251.4	2305.6	2360.0	2415.1
2120.8	27.5°	2116.5	2115.1	2116.5	2120.8	2125.2	2142.8	2160.3	2202.5	2244.7	2283.9
2030.0	30°	2030.0	2031.4	2030.0	2030.0	2030.0	2039.0	2048.0	2078.4	2108.5	2138.5
1924.3	32.5°	1925.2	1926.6	1925.2	1924.3	1923.6	1929.4	1935.3	1959.4	1983.6	2011.2
1816.1	35°	1814.2	1813.2	1814.2	1816.1	1818.0	1826.9	1835.8	1858.0	1880.3	1899.8
1710.2	37.5°	1701.7	1696.9	1701.7	1710.2	1718.8	1734.9	1751.2	1771.8	1792.2	1801.3
1610.5	40°	1594.8	1585.3	1594.8	1610.5	1626.5	1650.0	1673.6	1691.0	1708.4	1706.3
1513.1	42.5°	1490.0	1474.8	1490.0	1513.1	1536.3	1565.6	1595.0	1609.6	1624.3	1613.2
1423.4	45°	1396.1	1378.6	1396.1	1423.4	1450.6	1484.0	1517.6	1530.7	1544.0	1528.1
1371.5	47.5°	1346.4	1329.6	1346.4	1371.5	1396.7	1426.5	1456.3	1465.6	1474.8	1456.5
1348.8	50°	1325.6	1309.4	1325.6	1348.8	1372.1	1396.0	1419.8	1420.2	1420.8	1397.3
1335.5	52.5°	1314.7	1299.8	1314.7	1335.5	1356.3	1375.8	1395.2	1390.2	1385.2	1357.4
1320.0	55°	1301.7	1288.3	1301.7	1320.0	1338.3	1355.2	1372.1	1365.2	1358.3	1328.8
1295.4	57.5°	1277.2	1263.3	1277.2	1295.4	1313.5	1330.6	1347.7	1340.7	1333.7	1304.0
1261.7	60°	1243.1	1228.7	1243.1	1261.7	1280.4	1297.0	1313.8	1306.1	1298.4	1268.6
1209.8	62.5°	1190.2	1172.9	1190.2	1209.8	1229.4	1244.5	1259.6	1252.2	1244.8	1217.5
1138.5	65°	1119.5	1104.6	1119.5	1138.5	1157.5	1172.0	1186.6	1179.1	1171.5	1147.4
1058.9	67.5°	1041.2	1027.7	1041.2	1058.9	1076.6	1089.8	1103.2	1095.9	1088.5	1067.7
975.4	70°	958.5	943.1	958.5	975.4	992.4	1003.2	1014.1	1007.0	999.9	981.1
881.8	72.5°	865.7	850.8	865.7	881.8	897.9	907.0	916.0	907.6	899.1	880.7
776.7	75°	763.2	748.9	763.2	776.7	790.3	794.7	799.1	790.3	781.4	764.7
659.5	77.5°	645.9	634.5	645.9	659.5	673.2	679.5	685.7	677.4	669.1	651.6
534.0	80°	515.5	494.2	515.5	534.0	552.3	554.9	557.6	546.7	535.7	522.4
398.4	82.5°	382.8	369.2	382.8	398.4	413.9	415.1	416.3	397.6	379.0	350.5
248.4	85°	236.3	224.0	236.3	248.4	260.5	262.5	264.4	241.3	218.2	191.5
103.6	87.5°	97.3	91.3	97.3	103.6	109.8	112.3	114.6	105.3	95.9	84.7
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°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2351.1	2.5°	2365.6	2380.2	2394.7	2409.3	2425.8	2442.4	2460.8	2479.3	2502.0	2522.5
2230.9	5°	2254.4	2277.7	2303.5	2329.3	2358.4	2387.6	2422.5	2457.3	2497.2	2537.6
2157.9	7.5°	2186.4	2215.1	2247.6	2280.0	2318.4	2356.9	2403.1	2449.5	2501.1	2556.2
2144.4	10°	2176.6	2208.8	2243.8	2278.7	2317.2	2355.6	2404.5	2453.3	2508.8	2576.7
2205.9	12.5°	2239.2	2272.6	2299.9	2327.4	2352.7	2378.3	2418.1	2458.1	2509.7	2581.2
2334.3	15°	2363.2	2392.2	2399.3	2406.4	2402.9	2399.5	2418.5	2437.6	2479.0	2558.1
2470.8	17.5°	2494.1	2517.4	2495.2	2472.9	2431.0	2389.1	2382.2	2375.1	2400.6	2493.7
2555.9	20°	2566.7	2577.5	2530.9	2484.3	2411.4	2338.6	2305.9	2273.2	2280.0	2388.3
2554.9	22.5°	2548.5	2541.9	2481.3	2420.6	2337.4	2254.3	2205.9	2157.6	2144.4	2267.7
2470.3	25°	2448.1	2425.8	2366.1	2306.4	2231.6	2156.9	2101.1	2045.4	2009.8	2136.2
2323.2	27.5°	2298.3	2273.5	2225.6	2177.8	2116.4	2055.0	2001.2	1947.3	1904.1	2019.1
2168.4	30°	2148.2	2128.1	2088.3	2048.5	1997.6	1946.6	1903.8	1861.1	1827.1	1923.8
2038.6	32.5°	2016.2	1993.8	1955.6	1917.5	1876.7	1836.1	1810.8	1785.5	1770.4	1848.3
1919.4	35°	1892.5	1865.6	1827.8	1790.1	1759.2	1728.1	1721.1	1714.2	1720.4	1785.3
1810.3	37.5°	1777.1	1743.8	1706.1	1668.5	1646.3	1624.0	1631.7	1639.4	1662.3	1719.0
1704.1	40°	1665.7	1627.5	1591.1	1554.8	1538.7	1522.7	1540.1	1557.5	1592.6	1644.0
1602.2	42.5°	1560.8	1519.5	1485.0	1450.6	1437.4	1424.3	1447.4	1470.5	1514.7	1562.1
1512.3	45°	1469.4	1426.5	1393.8	1361.1	1350.0	1339.0	1361.4	1383.9	1426.7	1474.8
1438.3	47.5°	1396.0	1353.7	1321.7	1289.7	1279.4	1269.0	1287.9	1306.7	1343.6	1405.6
1373.8	50°	1336.0	1298.1	1268.0	1237.8	1221.6	1205.4	1222.0	1238.8	1281.5	1363.1
1329.6	52.5°	1294.2	1259.0	1231.4	1203.7	1179.4	1155.1	1171.6	1188.1	1247.9	1341.6
1299.3	55°	1268.5	1237.5	1207.7	1177.9	1143.5	1109.0	1135.0	1161.2	1251.3	1338.5
1274.3	57.5°	1243.7	1213.1	1178.1	1143.1	1106.0	1068.9	1107.0	1145.0	1254.6	1331.5
1238.8	60°	1207.6	1176.6	1136.4	1096.2	1063.7	1031.1	1080.5	1129.8	1244.1	1294.8
1190.2	62.5°	1157.0	1123.9	1077.0	1030.1	1009.5	988.8	1050.4	1112.1	1218.1	1224.3
1123.4	65°	1091.7	1059.9	1009.7	959.5	951.6	943.6	1009.3	1074.8	1155.6	1154.8
1047.0	67.5°	1017.0	986.9	940.4	894.1	896.6	899.1	953.7	1008.3	1053.7	1055.8
962.4	70°	936.4	910.4	869.7	828.9	837.6	846.2	885.1	923.9	938.8	938.8
862.4	72.5°	838.9	815.5	783.4	751.3	763.9	776.6	803.2	829.9	829.7	820.3
748.0	75°	726.7	705.5	681.6	657.8	670.0	682.1	702.7	723.2	726.8	683.4
634.0	77.5°	615.8	597.5	578.2	558.8	571.1	583.4	599.8	616.3	618.2	546.6
509.1	80°	493.7	478.3	462.2	446.1	456.5	466.8	480.6	494.4	494.6	409.1
322.1	82.5°	327.5	332.8	334.2	335.5	342.8	350.1	356.9	363.6	359.6	286.5
164.9	85°	179.8	194.7	201.7	208.6	216.8	225.0	232.2	239.4	234.1	179.8
73.5	87.5°	85.0	96.3	96.6	96.9	98.4	100.0	102.9	105.8	99.0	76.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
2505.4	0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2543.7	2.5°	2564.8	2586.9	2609.0	2631.0	2653.0	2673.7	2694.3
2580.4	5°	2623.2	2668.9	2714.8	2760.3	2805.8	2851.5	2897.2
2615.9	7.5°	2675.6	2743.4	2811.1	2880.7	2950.3	3025.6	3101.0
2647.5	10°	2718.1	2800.5	2882.8	2974.7	3066.7	3161.9	3257.2
2661.1	12.5°	2740.9	2838.1	2935.2	3039.4	3143.6	3248.2	3352.9
2650.6	15°	2743.1	2854.9	2966.7	3079.7	3192.8	3301.9	3411.0
2604.9	17.5°	2716.1	2845.9	2975.7	3099.1	3222.4	3333.1	3443.7
2526.2	20°	2664.0	2821.3	2978.6	3114.2	3249.7	3364.8	3479.8
2433.8	22.5°	2599.8	2791.1	2982.5	3134.5	3286.5	3404.1	3521.6
2330.6	25°	2525.1	2761.3	2997.6	3171.5	3345.2	3460.3	3575.4
2236.3	27.5°	2453.5	2741.4	3029.4	3229.1	3428.8	3538.7	3648.5
2157.5	30°	2391.2	2732.1	3072.8	3303.8	3534.9	3640.9	3747.1
2089.5	32.5°	2330.6	2720.6	3110.3	3381.8	3653.3	3758.3	3863.4
2022.7	35°	2260.1	2698.8	3137.8	3470.7	3803.5	3904.1	4004.7
1944.0	37.5°	2169.1	2661.6	3154.2	3570.2	3986.2	4114.4	4242.7
1850.2	40°	2056.4	2610.4	3164.4	3696.5	4228.4	4415.3	4602.2
1746.7	42.5°	1931.3	2557.5	3184.0	3861.7	4539.5	4809.3	5079.1
1636.7	45°	1798.6	2508.4	3218.3	4079.2	4940.2	5304.0	5667.9
1549.7	47.5°	1693.8	2467.8	3241.8	4310.9	5380.0	5892.2	6404.4
1491.9	50°	1620.7	2423.6	3226.5	4525.9	5825.3	6597.5	7369.6
1453.8	52.5°	1566.1	2348.9	3131.8	4665.5	6199.1	7338.4	8477.6
1426.2	55°	1514.0	2225.1	2936.1	4634.7	6333.2	7995.2	9657.3
1393.5	57.5°	1455.6	2050.5	2645.3	4418.2	6191.2	8460.7	10730.2
1343.6	60°	1392.3	1823.8	2255.3	4015.3	5775.3	8577.0	11378.6
1256.6	62.5°	1289.0	1552.5	1815.9	3470.5	5125.0	8087.2	11049.4
1170.1	65°	1185.4	1308.4	1431.3	2914.6	4397.9	7394.1	10390.3
1047.3	67.5°	1038.8	1073.8	1108.7	2370.0	3631.4	6569.3	9507.3
899.3	70°	859.7	849.8	839.8	1866.1	2892.4	5669.4	8446.4
764.2	72.5°	708.1	677.9	647.8	1426.6	2205.5	4693.7	7182.1
620.5	75°	557.6	530.3	503.0	1035.4	1567.9	3575.3	5582.8
485.5	77.5°	424.5	405.8	387.3	701.6	1016.0	2502.4	3988.8
357.4	80°	305.7	298.0	290.3	452.1	613.9	1612.3	2610.7
248.4	82.5°	210.4	208.8	207.5	278.0	348.8	933.1	1517.6
151.9	85°	124.0	124.8	125.5	148.6	171.9	419.7	667.7
65.0	87.5°	53.6	54.3	55.0	61.6	68.3	137.5	206.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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