

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: P954229

Luminaire Tested: **GALN-SB7C-750-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954229
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-SB7C-750-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56146 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

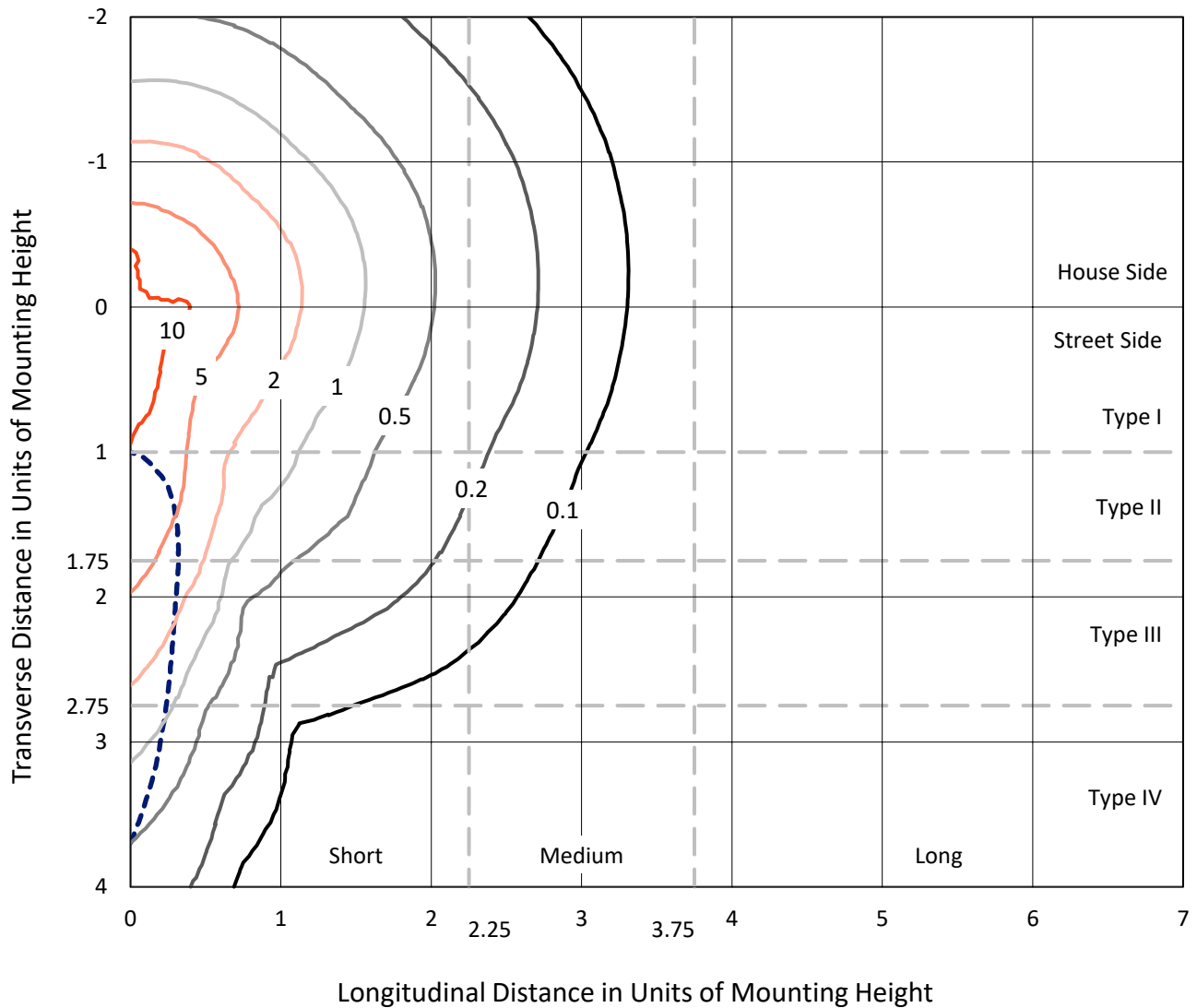
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

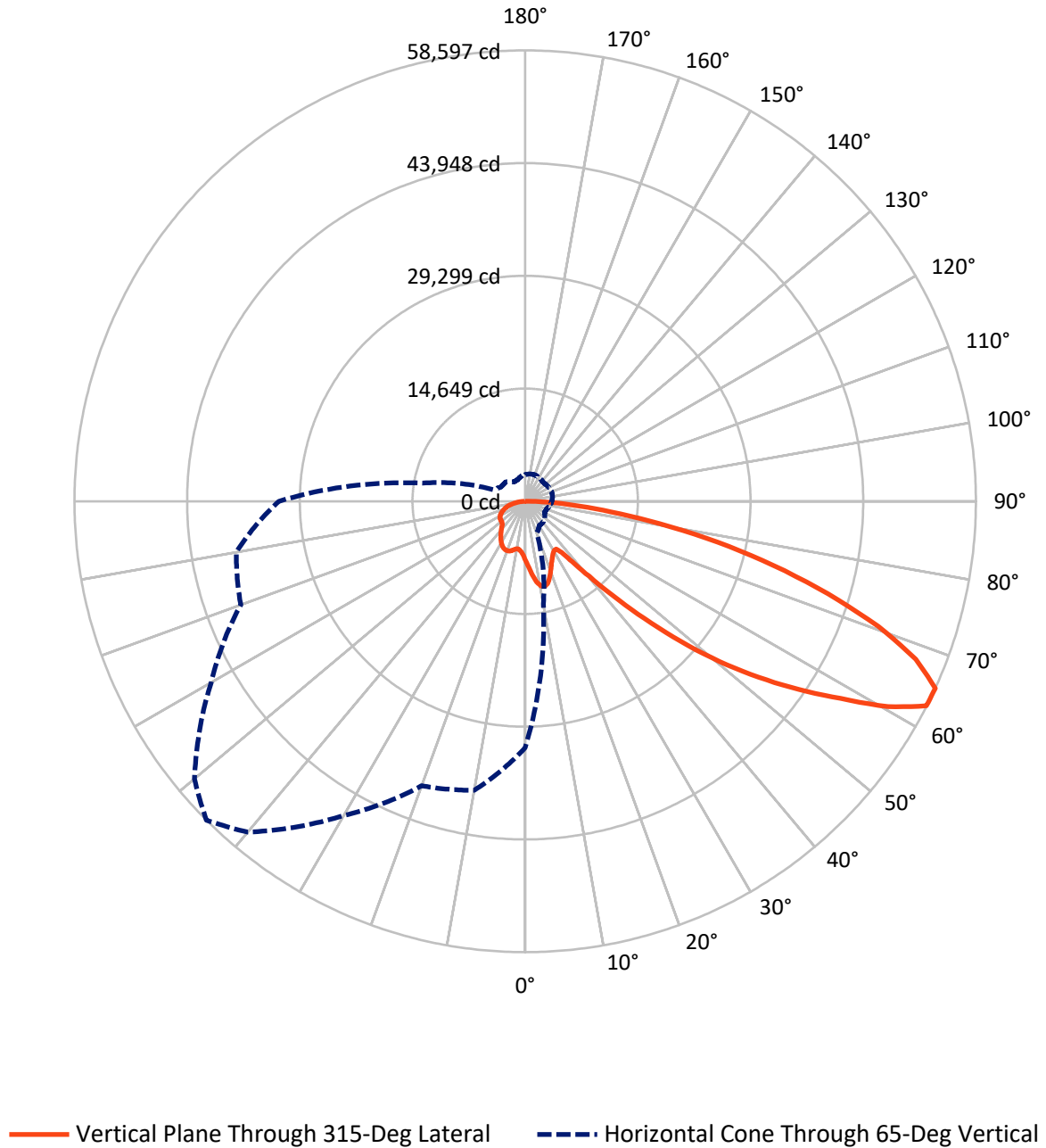
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14269.5	0.0	14269.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	41876.5	0.0	41876.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	56146.0	0.0	56146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.9	1.4
10°-20°	2404.2	4.3
20°-30°	3713.7	6.6
30°-40°	4706.2	8.4
40°-50°	7098.1	12.6
50°-60°	11468.1	20.4
60°-70°	14296.8	25.5
70°-80°	9375.1	16.7
80°-90°	2317.8	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°	56146.0	100.0
0°-180°	56146.0	100.0

Coefficient of Utilization



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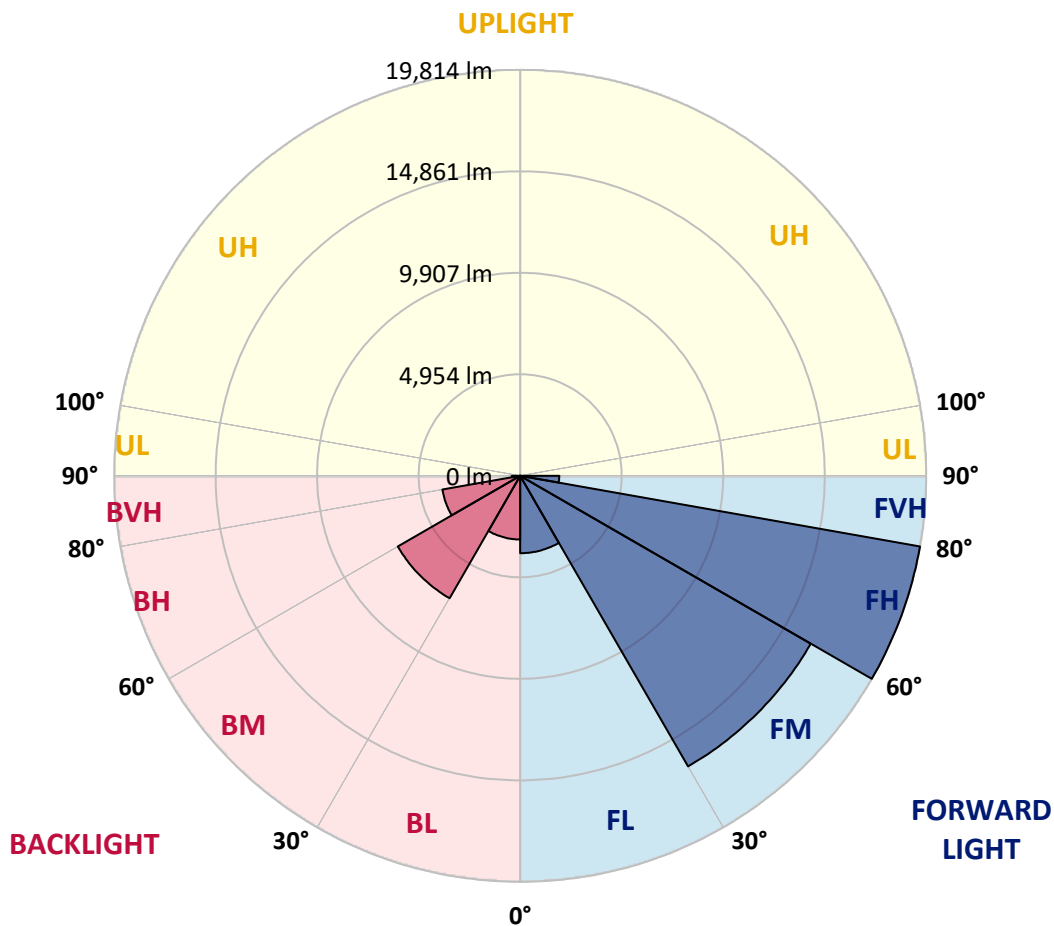
CATALOG NUMBER: GALN-SB7C-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3776.5	6.7			
FM (30°-60°)	16376.6	29.2			
FH (60°-80°)	19814.2	35.3			G5
FVH (80°-90°)	1909.3	3.4			G5
BL (0°-30°)	3107.4	5.5	B4/5000		
BM (30°-60°)	6895.9	12.3	B4/8500		
BH (60°-80°)	3857.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	408.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
2.5°	8302.7	8239.0	8175.3	8107.5	8039.9	7971.8	7903.6	7838.5	7773.3	7710.2
5°	8927.8	8787.1	8646.4	8505.9	8365.8	8224.5	8083.5	7951.6	7819.8	7695.4
7.5°	9555.9	9323.6	9091.7	8877.2	8662.7	8453.8	8244.9	8061.0	7877.0	7707.2
10°	10037.3	9743.7	9450.1	9166.6	8883.4	8629.8	8375.9	8158.4	7940.4	7730.9
12.5°	10332.1	10009.5	9687.1	9366.0	9044.8	8745.6	8446.4	8200.2	7954.0	7733.9
15°	10511.3	10175.1	9838.8	9490.4	9142.0	8797.5	8452.9	8167.9	7882.9	7639.1
17.5°	10612.1	10271.1	9930.1	9550.0	9169.9	8769.9	8370.0	8027.2	7684.4	7397.6
20°	10723.2	10368.8	10014.2	9596.5	9178.8	8694.1	8209.4	7784.6	7359.7	7025.8
22.5°	10852.0	10490.0	10127.7	9659.3	9190.6	8601.0	8011.5	7499.8	6988.2	6608.1
25°	11017.9	10663.0	10308.4	9773.1	9237.4	8509.2	7781.3	7182.0	6582.9	6193.3
27.5°	11243.1	10904.8	10566.1	9950.8	9335.2	8447.9	7560.6	6891.3	6222.1	5867.4
30°	11546.8	11219.7	10892.9	10181.0	9469.1	8419.1	7368.6	6648.4	5928.2	5630.4
32.5°	11905.2	11581.4	11257.9	10421.3	9584.6	8383.6	7182.0	6438.9	5695.6	5455.6
35°	12340.7	12030.9	11720.7	10695.0	9669.4	8316.6	6964.5	6233.0	5501.6	5301.6
37.5°	13074.0	12678.8	12283.6	11001.6	9719.7	8202.0	6684.2	5990.7	5297.1	5122.4
40°	14182.0	13606.1	13030.1	11390.9	9751.4	8044.1	6337.0	5701.5	5066.1	4907.6
42.5°	15651.5	14820.2	13988.8	11900.2	9811.6	7881.1	5951.3	5382.5	4813.6	4667.6
45°	17466.1	16344.7	15223.4	12570.3	9917.3	7729.7	5542.4	5043.5	4544.6	4396.5
47.5°	19735.4	18157.2	16578.8	13284.3	9989.9	7604.7	5219.5	4775.4	4331.3	4140.2
50°	22709.9	20330.6	17951.0	13946.8	9942.5	7468.4	4994.4	4597.4	4200.4	3949.2
52.5°	26124.3	22613.6	19102.9	14376.9	9650.7	7238.2	4826.1	4480.1	4134.3	3845.5
55°	29759.4	24637.6	19516.2	14282.1	9047.8	6856.7	4665.5	4395.0	4124.5	3855.8
57.5°	33065.7	26072.1	19078.6	13615.0	8151.6	6318.7	4485.4	4294.3	4103.2	3866.2
60°	35064.0	26430.6	17797.0	12373.3	6949.7	5620.1	4290.5	4140.2	3990.0	3833.6
62.5°	34049.3	24921.2	15793.1	10694.4	5595.8	4784.0	3972.3	3872.4	3772.9	3753.6
65°	32018.4	22785.4	13552.5	8981.4	4410.7	4031.8	3652.9	3605.8	3558.7	3561.1
67.5°	29297.2	20243.8	11190.4	7303.4	3416.5	3308.9	3201.1	3227.5	3253.5	3247.0
70°	26028.0	17470.5	8913.0	5750.4	2587.8	2618.6	2649.2	2771.2	2893.0	2893.0
72.5°	22132.2	14464.0	6796.2	4396.2	1996.2	2088.9	2182.0	2355.0	2527.7	2556.7
75°	17203.9	11017.6	4831.4	3190.7	1550.0	1634.2	1718.3	1912.1	2105.8	2239.7
77.5°	12291.9	7711.4	3130.9	2162.1	1193.3	1250.5	1308.0	1496.1	1684.2	1905.0
80°	8045.0	4968.3	1891.6	1393.0	894.7	918.4	942.1	1101.5	1260.6	1524.3
82.5°	4676.5	2875.5	1074.8	856.8	639.3	643.5	648.2	765.5	882.9	1108.0
85°	2057.5	1293.5	529.7	458.0	386.6	384.5	382.2	468.1	554.0	721.4
87.5°	637.0	423.7	210.3	189.9	169.5	167.4	165.3	200.3	235.5	305.1
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°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
7640.0	2.5°	7583.1	7526.5	7475.3	7424.3	7379.6	7334.8	7289.8	7245.1	7210.4	7175.4
7572.4	5°	7465.2	7357.6	7267.6	7177.8	7098.4	7019.0	6947.0	6874.7	6819.3	6763.6
7548.1	7.5°	7405.3	7262.8	7144.3	7025.8	6926.0	6825.9	6737.6	6649.6	6583.5	6517.7
7560.0	10°	7409.5	7259.0	7140.5	7022.0	6914.4	6806.6	6707.3	6608.1	6529.3	6450.2
7574.8	12.5°	7451.6	7328.9	7250.1	7171.9	7087.2	7003.0	6900.2	6797.7	6697.0	6596.2
7511.7	15°	7452.7	7394.1	7404.7	7415.4	7393.5	7371.6	7282.4	7193.2	7049.8	6906.4
7319.1	17.5°	7340.8	7362.1	7491.3	7620.4	7689.2	7757.6	7685.6	7613.9	7424.0	7234.1
7005.1	20°	7105.8	7206.5	7430.8	7655.4	7799.1	7942.8	7909.6	7876.1	7658.9	7442.1
6648.7	22.5°	6797.7	6946.7	7202.7	7459.3	7646.2	7833.1	7853.3	7873.1	7665.8	7458.4
6303.0	25°	6474.8	6646.6	6876.8	7107.3	7291.3	7475.3	7544.0	7612.4	7442.4	7272.6
6000.8	27.5°	6166.7	6332.6	6521.9	6710.9	6858.4	7006.0	7082.4	7159.1	7038.0	6917.1
5735.0	30°	5866.6	5998.7	6155.7	6312.7	6435.1	6557.7	6619.9	6682.2	6590.0	6497.6
5502.2	32.5°	5580.1	5658.0	5783.3	5908.9	6026.2	6143.9	6212.9	6282.2	6197.5	6112.5
5282.3	35°	5303.7	5325.3	5421.0	5516.4	5632.5	5748.9	5831.9	5914.8	5854.4	5794.3
5051.8	37.5°	5028.1	5004.4	5073.2	5141.6	5257.4	5373.6	5476.1	5578.6	5550.7	5522.9
4799.4	40°	4745.8	4692.2	4741.7	4791.1	4903.1	5015.1	5133.0	5251.2	5258.0	5264.6
4531.3	42.5°	4460.2	4389.1	4429.4	4470.0	4576.0	4682.4	4809.8	4937.2	4971.3	5005.3
4264.7	45°	4195.4	4126.3	4160.1	4194.5	4295.2	4395.9	4528.1	4660.2	4709.1	4757.9
4026.8	47.5°	3968.7	3910.6	3942.6	3974.3	4073.0	4171.4	4301.7	4432.1	4488.4	4544.6
3817.3	50°	3765.8	3714.5	3764.3	3814.4	3907.4	4000.1	4116.8	4233.6	4305.9	4378.1
3661.2	52.5°	3610.2	3559.6	3634.5	3709.2	3794.5	3879.5	3988.3	4097.3	4182.9	4268.5
3578.2	55°	3497.7	3417.4	3523.7	3629.8	3721.6	3813.5	3908.9	4004.0	4094.6	4185.6
3528.5	57.5°	3411.1	3293.8	3408.2	3522.5	3630.4	3738.2	3832.4	3926.9	4018.5	4109.7
3481.7	60°	3329.7	3177.4	3277.8	3378.0	3501.8	3625.6	3721.3	3817.3	3909.2	4001.0
3427.1	62.5°	3236.9	3047.0	3110.7	3174.4	3318.7	3463.3	3565.5	3667.7	3751.8	3836.0
3312.2	65°	3110.1	2907.8	2932.4	2956.7	3111.3	3266.3	3364.0	3461.8	3535.9	3609.9
3107.2	67.5°	2938.9	2770.6	2762.9	2755.2	2898.0	3041.1	3133.8	3226.3	3290.3	3354.3
2847.1	70°	2727.4	2607.7	2581.0	2554.4	2680.0	2805.6	2885.6	2965.6	3023.3	3081.1
2557.3	72.5°	2475.3	2393.2	2354.1	2315.3	2414.2	2512.9	2585.2	2657.5	2714.0	2770.6
2228.5	75°	2165.4	2102.0	2064.6	2027.0	2100.5	2174.0	2239.4	2304.9	2356.5	2408.0
1899.0	77.5°	1848.4	1797.7	1759.8	1721.9	1781.7	1841.3	1897.6	1953.8	2008.1	2062.0
1523.4	80°	1481.0	1438.3	1406.6	1374.7	1424.4	1473.9	1521.3	1568.7	1609.9	1650.8
1120.5	82.5°	1099.7	1079.0	1056.5	1034.0	1029.8	1025.7	1009.1	992.5	1080.2	1167.9
737.7	85°	715.5	693.3	668.1	642.9	621.6	599.9	554.0	508.1	590.2	672.5
325.9	87.5°	317.0	308.1	303.4	298.6	297.7	296.9	261.9	226.6	261.0	295.7
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°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
7147.3	2.5°	7119.1	7097.2	7075.3	7055.2	7034.7	7009.5	7034.7	7055.2	7075.3	7097.2
6724.8	5°	6686.0	6658.5	6630.9	6609.9	6588.8	6568.1	6588.8	6609.9	6630.9	6658.5
6471.5	7.5°	6425.3	6393.6	6362.2	6343.2	6324.6	6310.4	6324.6	6343.2	6362.2	6393.6
6398.6	10°	6346.5	6316.6	6286.7	6270.7	6254.7	6248.1	6254.7	6270.7	6286.7	6316.6
6529.6	12.5°	6462.9	6429.5	6396.3	6382.6	6369.0	6366.6	6369.0	6382.6	6396.3	6429.5
6805.1	15°	6703.8	6657.3	6611.1	6593.3	6575.5	6574.0	6575.5	6593.3	6611.1	6657.3
7084.8	17.5°	6935.5	6866.7	6797.7	6775.2	6752.4	6748.8	6752.4	6775.2	6797.7	6866.7
7259.0	20°	7076.2	6988.2	6899.9	6871.8	6843.6	6834.7	6843.6	6871.8	6899.9	6988.2
7269.9	22.5°	7081.2	6988.5	6895.5	6864.4	6833.3	6819.9	6833.3	6864.4	6895.5	6988.5
7104.9	25°	6937.8	6857.3	6777.0	6747.6	6718.6	6701.4	6718.6	6747.6	6777.0	6857.3
6787.0	27.5°	6657.0	6603.1	6548.8	6535.5	6522.2	6517.7	6522.2	6535.5	6548.8	6603.1
6404.6	30°	6310.9	6283.4	6255.5	6255.5	6255.5	6260.0	6255.5	6255.5	6255.5	6283.4
6038.1	32.5°	5963.7	5945.7	5927.6	5930.0	5932.6	5937.1	5932.6	5930.0	5927.6	5945.7
5725.5	35°	5657.1	5629.5	5602.3	5596.4	5590.4	5587.5	5590.4	5596.4	5602.3	5629.5
5459.8	37.5°	5396.4	5346.3	5296.6	5270.2	5243.8	5229.0	5243.8	5270.2	5296.6	5346.3
5210.9	40°	5157.3	5084.4	5012.1	4963.0	4914.4	4885.3	4914.4	4963.0	5012.1	5084.4
4960.0	42.5°	4915.0	4824.6	4734.2	4662.9	4591.5	4544.6	4591.5	4662.9	4734.2	4824.6
4717.1	45°	4676.5	4573.1	4470.0	4386.1	4302.3	4248.4	4302.3	4386.1	4470.0	4573.1
4516.2	47.5°	4487.8	4395.9	4304.1	4226.5	4149.1	4097.3	4149.1	4226.5	4304.1	4395.9
4376.4	50°	4375.2	4301.7	4228.2	4156.5	4084.8	4035.1	4084.8	4156.5	4228.2	4301.7
4283.9	52.5°	4299.3	4239.5	4179.6	4115.4	4051.4	4005.4	4051.4	4115.4	4179.6	4239.5
4206.9	55°	4228.2	4176.1	4124.0	4067.7	4011.4	3969.9	4011.4	4067.7	4124.0	4176.1
4131.4	57.5°	4153.0	4100.3	4047.5	3991.8	3935.8	3892.9	3935.8	3991.8	4047.5	4100.3
4024.7	60°	4048.4	3996.9	3945.6	3888.1	3830.7	3786.2	3830.7	3888.1	3945.6	3996.9
3858.8	62.5°	3881.6	3835.1	3788.6	3728.1	3667.7	3614.4	3667.7	3728.1	3788.6	3835.1
3633.3	65°	3656.5	3611.7	3567.0	3508.3	3450.0	3404.0	3450.0	3508.3	3567.0	3611.7
3377.1	67.5°	3399.6	3358.4	3317.5	3263.0	3208.5	3167.0	3208.5	3263.0	3317.5	3358.4
3103.0	70°	3125.0	3091.5	3058.0	3005.9	2953.7	2906.3	2953.7	3005.9	3058.0	3091.5
2796.7	72.5°	2822.8	2794.9	2767.1	2717.3	2667.8	2621.9	2667.8	2717.3	2767.1	2794.9
2435.3	75°	2462.5	2448.9	2435.3	2393.5	2351.7	2307.9	2351.7	2393.5	2435.3	2448.9
2087.5	77.5°	2112.9	2094.0	2074.4	2032.3	1990.3	1955.3	1990.3	2032.3	2074.4	2094.0
1684.5	80°	1718.3	1710.0	1702.0	1645.4	1588.6	1522.8	1588.6	1645.4	1702.0	1710.0
1225.3	82.5°	1282.8	1279.3	1275.4	1227.7	1179.7	1137.6	1179.7	1227.7	1275.4	1279.3
743.6	85°	814.7	808.8	802.9	765.5	728.2	690.3	728.2	765.5	802.9	808.8
324.4	87.5°	353.1	346.0	338.3	319.4	299.8	281.4	299.8	319.4	338.3	346.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
7119.1	2.5°	7147.3	7175.4	7210.4	7245.1	7289.8	7334.8	7379.6	7424.3	7475.3	7526.5
6686.0	5°	6724.8	6763.6	6819.3	6874.7	6947.0	7019.0	7098.4	7177.8	7267.6	7357.6
6425.3	7.5°	6471.5	6517.7	6583.5	6649.6	6737.6	6825.9	6926.0	7025.8	7144.3	7262.8
6346.5	10°	6398.6	6450.2	6529.3	6608.1	6707.3	6806.6	6914.4	7022.0	7140.5	7259.0
6462.9	12.5°	6529.6	6596.2	6697.0	6797.7	6900.2	7003.0	7087.2	7171.9	7250.1	7328.9
6703.8	15°	6805.1	6906.4	7049.8	7193.2	7282.4	7371.6	7393.5	7415.4	7404.7	7394.1
6935.5	17.5°	7084.8	7234.1	7424.0	7613.9	7685.6	7757.6	7689.2	7620.4	7491.3	7362.1
7076.2	20°	7259.0	7442.1	7658.9	7876.1	7909.6	7942.8	7799.1	7655.4	7430.8	7206.5
7081.2	22.5°	7269.9	7458.4	7665.8	7873.1	7853.3	7833.1	7646.2	7459.3	7202.7	6946.7
6937.8	25°	7104.9	7272.6	7442.4	7612.4	7544.0	7475.3	7291.3	7107.3	6876.8	6646.6
6657.0	27.5°	6787.0	6917.1	7038.0	7159.1	7082.4	7006.0	6858.4	6710.9	6521.9	6332.6
6310.9	30°	6404.6	6497.6	6590.0	6682.2	6619.9	6557.7	6435.1	6312.7	6155.7	5998.7
5963.7	32.5°	6038.1	6112.5	6197.5	6282.2	6212.9	6143.9	6026.2	5908.9	5783.3	5658.0
5657.1	35°	5725.5	5794.3	5854.4	5914.8	5831.9	5748.9	5632.5	5516.4	5421.0	5325.3
5396.4	37.5°	5459.8	5522.9	5550.7	5578.6	5476.1	5373.6	5257.4	5141.6	5073.2	5004.4
5157.3	40°	5210.9	5264.6	5258.0	5251.2	5133.0	5015.1	4903.1	4791.1	4741.7	4692.2
4915.0	42.5°	4960.0	5005.3	4971.3	4937.2	4809.8	4682.4	4576.0	4470.0	4429.4	4389.1
4676.5	45°	4717.1	4757.9	4709.1	4660.2	4528.1	4395.9	4295.2	4194.5	4160.1	4126.3
4487.8	47.5°	4516.2	4544.6	4488.4	4432.1	4301.7	4171.4	4073.0	3974.3	3942.6	3910.6
4375.2	50°	4376.4	4378.1	4305.9	4233.6	4116.8	4000.1	3907.4	3814.4	3764.3	3714.5
4299.3	52.5°	4283.9	4268.5	4182.9	4097.3	3988.3	3879.5	3794.5	3709.2	3634.5	3559.6
4228.2	55°	4206.9	4185.6	4094.6	4004.0	3908.9	3813.5	3721.6	3629.8	3523.7	3417.4
4153.0	57.5°	4131.4	4109.7	4018.5	3926.9	3832.4	3738.2	3630.4	3522.5	3408.2	3293.8
4048.4	60°	4024.7	4001.0	3909.2	3817.3	3721.3	3625.6	3501.8	3378.0	3277.8	3177.4
3881.6	62.5°	3858.8	3836.0	3751.8	3667.7	3565.5	3463.3	3318.7	3174.4	3110.7	3047.0
3656.5	65°	3633.3	3609.9	3535.9	3461.8	3364.0	3266.3	3111.3	2956.7	2932.4	2907.8
3399.6	67.5°	3377.1	3354.3	3290.3	3226.3	3133.8	3041.1	2898.0	2755.2	2762.9	2770.6
3125.0	70°	3103.0	3081.1	3023.3	2965.6	2885.6	2805.6	2680.0	2554.4	2581.0	2607.7
2822.8	72.5°	2796.7	2770.6	2714.0	2657.5	2585.2	2512.9	2414.2	2315.3	2354.1	2393.2
2462.5	75°	2435.3	2408.0	2356.5	2304.9	2239.4	2174.0	2100.5	2027.0	2064.6	2102.0
2112.9	77.5°	2087.5	2062.0	2008.1	1953.8	1897.6	1841.3	1781.7	1721.9	1759.8	1797.7
1718.3	80°	1684.5	1650.8	1609.9	1568.7	1521.3	1473.9	1424.4	1374.7	1406.6	1438.3
1282.8	82.5°	1225.3	1167.9	1080.2	992.5	1009.1	1025.7	1029.8	1034.0	1056.5	1079.0
814.7	85°	743.6	672.5	590.2	508.1	554.0	599.9	621.6	642.9	668.1	693.3
353.1	87.5°	324.4	295.7	261.0	226.6	261.9	296.9	297.7	298.6	303.4	308.1
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°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
7583.1	2.5°	7640.0	7710.2	7773.3	7838.5	7903.6	7971.8	8039.9	8107.5	8175.3	8239.0
7465.2	5°	7572.4	7695.4	7819.8	7951.6	8083.5	8224.5	8365.8	8505.9	8646.4	8787.1
7405.3	7.5°	7548.1	7707.2	7877.0	8061.0	8244.9	8453.8	8662.7	8877.2	9091.7	9323.6
7409.5	10°	7560.0	7730.9	7940.4	8158.4	8375.9	8629.8	8883.4	9166.6	9450.1	9743.7
7451.6	12.5°	7574.8	7733.9	7954.0	8200.2	8446.4	8745.6	9044.8	9366.0	9687.1	10009.5
7452.7	15°	7511.7	7639.1	7882.9	8167.9	8452.9	8797.5	9142.0	9490.4	9838.8	10175.1
7340.8	17.5°	7319.1	7397.6	7684.4	8027.2	8370.0	8769.9	9169.9	9550.0	9930.1	10271.1
7105.8	20°	7005.1	7025.8	7359.7	7784.6	8209.4	8694.1	9178.8	9596.5	10014.2	10368.8
6797.7	22.5°	6648.7	6608.1	6988.2	7499.8	8011.5	8601.0	9190.6	9659.3	10127.7	10490.0
6474.8	25°	6303.0	6193.3	6582.9	7182.0	7781.3	8509.2	9237.4	9773.1	10308.4	10663.0
6166.7	27.5°	6000.8	5867.4	6222.1	6891.3	7560.6	8447.9	9335.2	9950.8	10566.1	10904.8
5866.6	30°	5735.0	5630.4	5928.2	6648.4	7368.6	8419.1	9469.1	10181.0	10892.9	11219.7
5580.1	32.5°	5502.2	5455.6	5695.6	6438.9	7182.0	8383.6	9584.6	10421.3	11257.9	11581.4
5303.7	35°	5282.3	5301.6	5501.6	6233.0	6964.5	8316.6	9669.4	10695.0	11720.7	12030.9
5028.1	37.5°	5051.8	5122.4	5297.1	5990.7	6684.2	8202.0	9719.7	11001.6	12283.6	12678.8
4745.8	40°	4799.4	4907.6	5066.1	5701.5	6337.0	8044.1	9751.4	11390.9	13030.1	13606.1
4460.2	42.5°	4531.3	4667.6	4813.6	5382.5	5951.3	7881.1	9811.6	11900.2	13988.8	14820.2
4195.4	45°	4264.7	4396.5	4544.6	5043.5	5542.4	7729.7	9917.3	12570.3	15223.4	16344.7
3968.7	47.5°	4026.8	4140.2	4331.3	4775.4	5219.5	7604.7	9989.9	13284.3	16578.8	18157.2
3765.8	50°	3817.3	3949.2	4200.4	4597.4	4994.4	7468.4	9942.5	13946.8	17951.0	20330.6
3610.2	52.5°	3661.2	3845.5	4134.3	4480.1	4826.1	7238.2	9650.7	14376.9	19102.9	22613.6
3497.7	55°	3578.2	3855.8	4124.5	4395.0	4665.5	6856.7	9047.8	14282.1	19516.2	24637.6
3411.1	57.5°	3528.5	3866.2	4103.2	4294.3	4485.4	6318.7	8151.6	13615.0	19078.6	26072.1
3329.7	60°	3481.7	3833.6	3990.0	4140.2	4290.5	5620.1	6949.7	12373.3	17797.0	26430.6
3236.9	62.5°	3427.1	3753.6	3772.9	3872.4	3972.3	4784.0	5595.8	10694.4	15793.1	24921.2
3110.1	65°	3312.2	3561.1	3558.7	3605.8	3652.9	4031.8	4410.7	8981.4	13552.5	22785.4
2938.9	67.5°	3107.2	3247.0	3253.5	3227.5	3201.1	3308.9	3416.5	7303.4	11190.4	20243.8
2727.4	70°	2847.1	2893.0	2893.0	2771.2	2649.2	2618.6	2587.8	5750.4	8913.0	17470.5
2475.3	72.5°	2557.3	2556.7	2527.7	2355.0	2182.0	2088.9	1996.2	4396.2	6796.2	14464.0
2165.4	75°	2228.5	2239.7	2105.8	1912.1	1718.3	1634.2	1550.0	3190.7	4831.4	11017.6
1848.4	77.5°	1899.0	1905.0	1684.2	1496.1	1308.0	1250.5	1193.3	2162.1	3130.9	7711.4
1481.0	80°	1523.4	1524.3	1260.6	1101.5	942.1	918.4	894.7	1393.0	1891.6	4968.3
1099.7	82.5°	1120.5	1108.0	882.9	765.5	648.2	643.5	639.3	856.8	1074.8	2875.5
715.5	85°	737.7	721.4	554.0	468.1	382.2	384.5	386.6	458.0	529.7	1293.5
317.0	87.5°	325.9	305.1	235.5	200.3	165.3	167.4	169.5	189.9	210.3	423.7
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°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
8302.7	2.5°	8334.1	8365.8	8410.6	8455.3	8481.9	8508.6	8521.9	8535.3	8529.4	8535.3
8927.8	5°	9037.7	9147.9	9257.0	9366.3	9425.5	9484.8	9520.6	9556.8	9584.0	9556.8
9555.9	7.5°	9734.8	9913.5	10074.4	10235.2	10332.1	10429.0	10481.4	10533.6	10558.7	10533.6
10037.3	10°	10248.8	10460.4	10649.1	10837.8	10952.2	11065.9	11116.9	11167.6	11186.8	11167.6
10332.1	12.5°	10561.4	10790.4	10961.1	11131.1	11214.1	11297.0	11324.9	11352.7	11355.7	11352.7
10511.3	15°	10709.2	10906.8	11013.8	11121.0	11124.0	11127.0	11097.3	11067.7	11032.8	11067.7
10612.1	17.5°	10745.7	10879.3	10881.4	10883.1	10763.2	10643.2	10533.3	10423.1	10345.4	10423.1
10723.2	20°	10769.7	10816.5	10675.8	10535.0	10270.2	10005.3	9812.5	9619.6	9501.1	9619.6
10852.0	22.5°	10791.0	10730.0	10438.5	10146.9	9757.4	9367.8	9126.6	8885.5	8754.5	8885.5
11017.9	25°	10825.4	10632.8	10190.2	9747.6	9274.4	8801.3	8547.7	8294.7	8170.9	8294.7
11243.1	27.5°	10898.8	10554.3	9968.0	9382.0	8857.6	8333.2	8083.8	7834.6	7717.6	7834.6
11546.8	30°	11033.3	10520.2	9798.5	9076.8	8530.5	7984.2	7752.9	7521.5	7412.4	7521.5
11905.2	32.5°	11202.2	10499.5	9683.0	8866.5	8353.1	7839.7	7658.0	7476.1	7397.6	7476.1
12340.7	35°	11480.4	10620.4	9769.5	8918.9	8562.2	8205.8	8163.5	8121.1	8114.6	8121.1
13074.0	37.5°	12062.0	11049.9	10276.7	9503.5	9480.3	9457.2	9651.0	9844.7	9945.5	9844.7
14182.0	40°	13081.4	11980.8	11405.7	10830.7	11236.6	11642.5	12113.5	12584.6	12819.2	12584.6
15651.5	42.5°	14559.4	13467.4	13136.2	12805.0	13690.2	14575.4	15432.2	16289.0	16792.1	16289.0
17466.1	45°	16485.1	15503.9	15357.9	15211.5	16629.7	18048.2	19456.0	20864.2	21718.9	20864.2
19735.4	47.5°	18781.2	17826.6	17797.0	17767.4	19813.3	21858.7	23919.8	25980.6	27190.8	25980.6
22709.9	50°	21531.1	20352.5	20357.6	20362.6	22999.3	25636.0	28356.6	31077.2	32722.0	31077.2
26124.3	52.5°	24696.9	23269.8	23125.5	22981.0	26130.5	29280.1	32646.2	36012.0	37983.6	36012.0
29759.4	55°	28349.2	26939.0	26376.4	25813.8	29319.2	32824.2	36837.1	40849.9	43194.8	40849.9
33065.7	57.5°	32297.8	31529.6	30401.1	29272.9	32812.4	36351.8	40897.0	45442.0	48349.8	45442.0
35064.0	60°	36256.7	37449.7	36048.4	34647.1	37996.6	41346.2	46212.5	51078.9	54221.7	51078.9
34049.3	62.5°	37308.4	40567.6	40409.7	40251.5	43319.9	46388.5	51018.5	55648.2	58553.0	55648.2
32018.4	65°	35077.3	38136.2	38741.4	39346.4	43245.8	47145.5	51635.0	56124.3	58597.4	56124.3
29297.2	67.5°	32206.5	35115.8	35399.6	35683.1	39746.1	43808.7	48317.5	52826.3	54763.8	52826.3
26028.0	70°	29192.4	32357.0	32483.8	32610.9	36244.3	39877.3	43757.4	47637.3	48714.2	47637.3
22132.2	72.5°	25763.4	29395.0	29486.3	29577.2	32419.8	35262.5	38168.5	41074.2	41183.2	41074.2
17203.9	75°	20962.2	24720.6	25058.0	25395.5	27607.1	29818.7	31864.3	33910.0	33361.9	33910.0
12291.9	77.5°	15800.2	19308.8	19791.7	20274.6	21955.9	23637.2	25088.0	26539.0	25596.9	26539.0
8045.0	80°	10996.6	13948.0	14548.2	15148.4	16418.2	17687.4	18449.4	19211.0	17695.7	19211.0
4676.5	82.5°	6694.3	8712.4	9382.9	10053.6	10927.6	11801.6	12119.4	12437.0	11246.1	12437.0
2057.5	85°	3128.5	4199.5	4769.8	5340.1	6058.2	6776.1	6956.5	7136.9	6183.0	7136.9
637.0	87.5°	996.9	1356.9	1675.1	1993.2	2352.3	2711.4	2726.8	2741.9	2301.9	2741.9
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°
7720.6	0°	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6	7720.6
8521.9	2.5°	8508.6	8481.9	8455.3	8410.6	8365.8	8334.1	8302.7
9520.6	5°	9484.8	9425.5	9366.3	9257.0	9147.9	9037.7	8927.8
10481.4	7.5°	10429.0	10332.1	10235.2	10074.4	9913.5	9734.8	9555.9
11116.9	10°	11065.9	10952.2	10837.8	10649.1	10460.4	10248.8	10037.3
11324.9	12.5°	11297.0	11214.1	11131.1	10961.1	10790.4	10561.4	10332.1
11097.3	15°	11127.0	11124.0	11121.0	11013.8	10906.8	10709.2	10511.3
10533.3	17.5°	10643.2	10763.2	10883.1	10881.4	10879.3	10745.7	10612.1
9812.5	20°	10005.3	10270.2	10535.0	10675.8	10816.5	10769.7	10723.2
9126.6	22.5°	9367.8	9757.4	10146.9	10438.5	10730.0	10791.0	10852.0
8547.7	25°	8801.3	9274.4	9747.6	10190.2	10632.8	10825.4	11017.9
8083.8	27.5°	8333.2	8857.6	9382.0	9968.0	10554.3	10898.8	11243.1
7752.9	30°	7984.2	8530.5	9076.8	9798.5	10520.2	11033.3	11546.8
7658.0	32.5°	7839.7	8353.1	8866.5	9683.0	10499.5	11202.2	11905.2
8163.5	35°	8205.8	8562.2	8918.9	9769.5	10620.4	11480.4	12340.7
9651.0	37.5°	9457.2	9480.3	9503.5	10276.7	11049.9	12062.0	13074.0
12113.5	40°	11642.5	11236.6	10830.7	11405.7	11980.8	13081.4	14182.0
15432.2	42.5°	14575.4	13690.2	12805.0	13136.2	13467.4	14559.4	15651.5
19456.0	45°	18048.2	16629.7	15211.5	15357.9	15503.9	16485.1	17466.1
23919.8	47.5°	21858.7	19813.3	17767.4	17797.0	17826.6	18781.2	19735.4
28356.6	50°	25636.0	22999.3	20362.6	20357.6	20352.5	21531.1	22709.9
32646.2	52.5°	29280.1	26130.5	22981.0	23125.5	23269.8	24696.9	26124.3
36837.1	55°	32824.2	29319.2	25813.8	26376.4	26939.0	28349.2	29759.4
40897.0	57.5°	36351.8	32812.4	29272.9	30401.1	31529.6	32297.8	33065.7
46212.5	60°	41346.2	37996.6	34647.1	36048.4	37449.7	36256.7	35064.0
51018.5	62.5°	46388.5	43319.9	40251.5	40409.7	40567.6	37308.4	34049.3
51635.0	65°	47145.5	43245.8	39346.4	38741.4	38136.2	35077.3	32018.4
48317.5	67.5°	43808.7	39746.1	35683.1	35399.6	35115.8	32206.5	29297.2
43757.4	70°	39877.3	36244.3	32610.9	32483.8	32357.0	29192.4	26028.0
38168.5	72.5°	35262.5	32419.8	29577.2	29486.3	29395.0	25763.4	22132.2
31864.3	75°	29818.7	27607.1	25395.5	25058.0	24720.6	20962.2	17203.9
25088.0	77.5°	23637.2	21955.9	20274.6	19791.7	19308.8	15800.2	12291.9
18449.4	80°	17687.4	16418.2	15148.4	14548.2	13948.0	10996.6	8045.0
12119.4	82.5°	11801.6	10927.6	10053.6	9382.9	8712.4	6694.3	4676.5
6956.5	85°	6776.1	6058.2	5340.1	4769.8	4199.5	3128.5	2057.5
2726.8	87.5°	2711.4	2352.3	1993.2	1675.1	1356.9	996.9	637.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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