

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: P955489

Luminaire Tested: **GALN-SB8B-935-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955489
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-SB8B-935-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31562 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

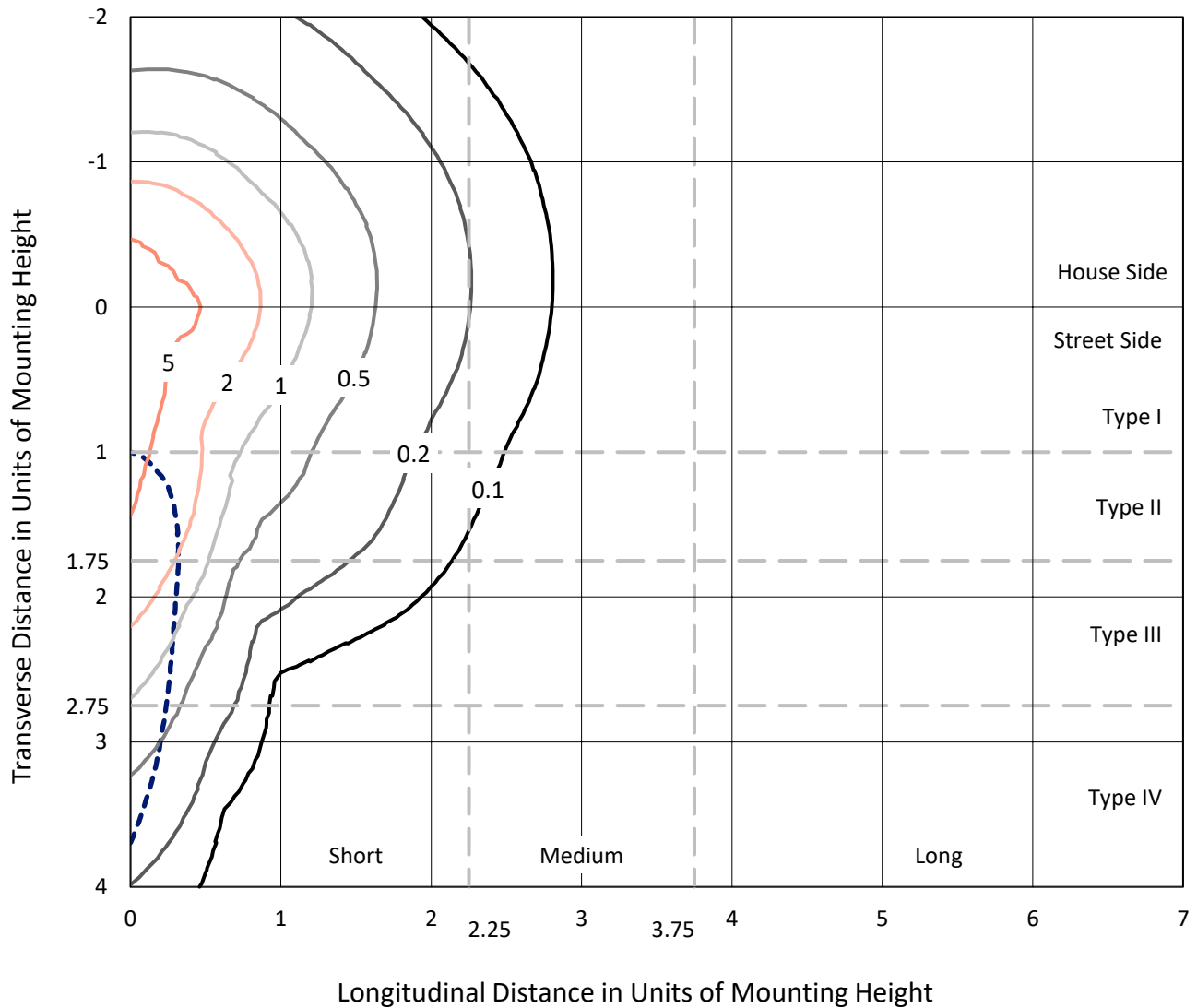
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

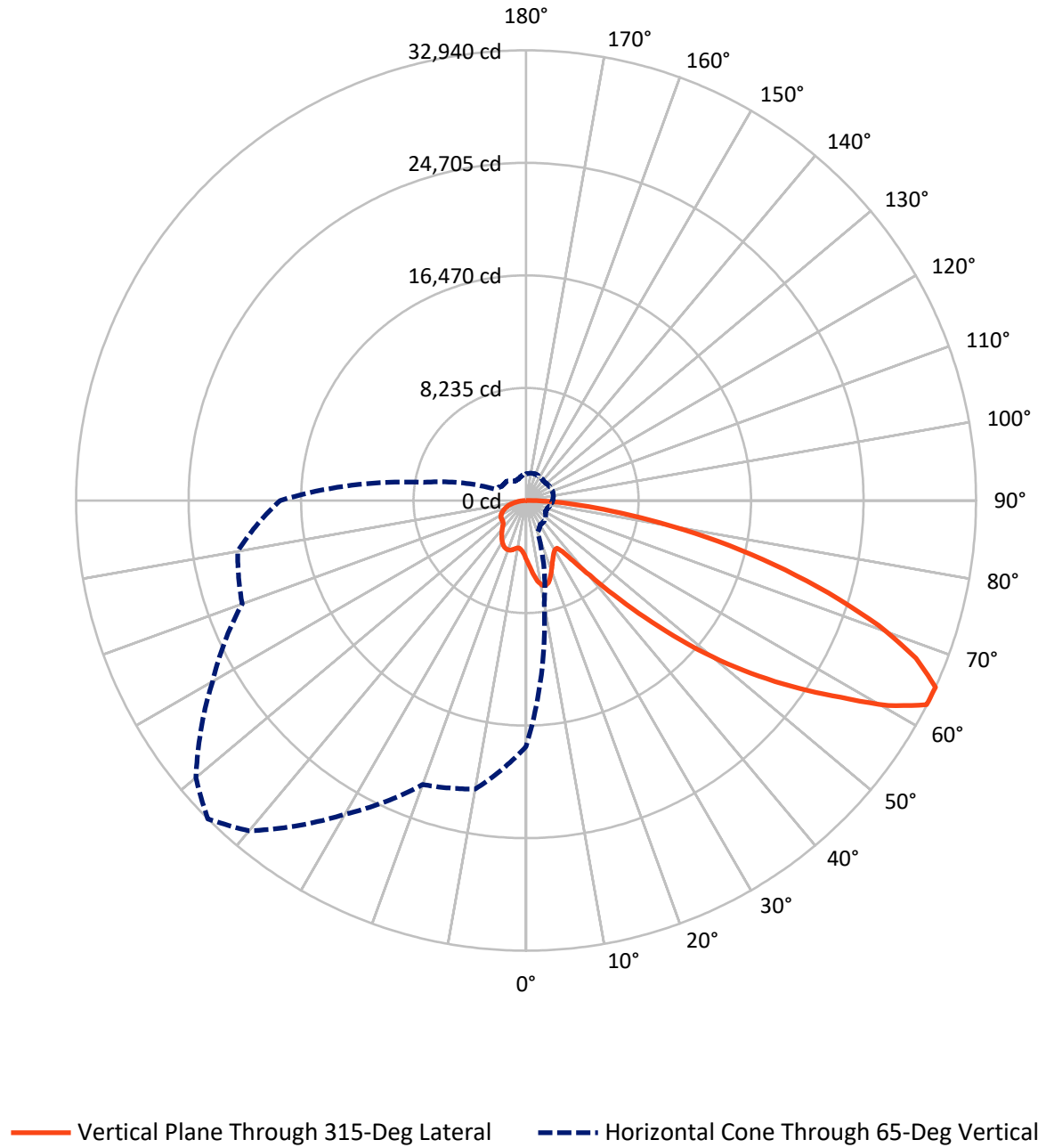
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	8021.5	0.0	8021.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23540.5	0.0	23540.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	31562.0	0.0	31562.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	1.4
10°-20°	1351.5	4.3
20°-30°	2087.6	6.6
30°-40°	2645.5	8.4
40°-50°	3990.2	12.6
50°-60°	6446.7	20.4
60°-70°	8036.8	25.5
70°-80°	5270.2	16.7
80°-90°	1302.9	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°	31562.0	100.0
0°-180°	31562.0	100.0



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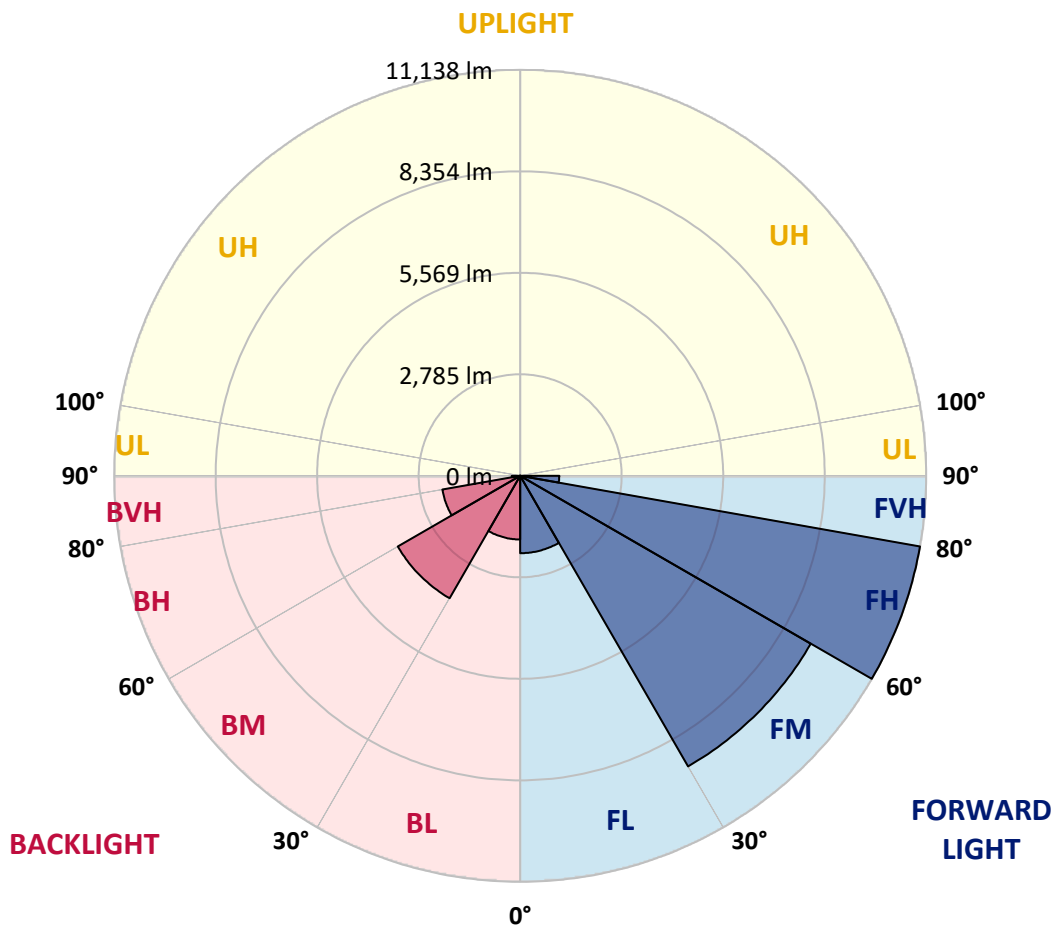
CATALOG NUMBER: GALN-SB8B-935-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2122.9	6.7			
FM (30°-60°)	9205.9	29.2			
FH (60°-80°)	11138.4	35.3			G4/12000
FVH (80°-90°)	1073.3	3.4			G5
BL (0°-30°)	1746.8	5.5	B3/2500		
BM (30°-60°)	3876.5	12.3	B3/5000		
BH (60°-80°)	2168.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	229.6	0.7			G3/500
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°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
2.5°	4667.3	4631.5	4595.7	4557.5	4519.6	4481.3	4443.0	4406.3	4369.7	4334.2
5°	5018.7	4939.6	4860.5	4781.5	4702.8	4623.3	4544.1	4469.9	4395.8	4325.9
7.5°	5371.8	5241.2	5110.8	4990.2	4869.6	4752.2	4634.8	4531.4	4428.0	4332.6
10°	5642.4	5477.4	5312.3	5152.9	4993.7	4851.2	4708.4	4586.2	4463.6	4345.9
12.5°	5808.1	5626.7	5445.5	5265.0	5084.5	4916.3	4748.1	4609.7	4471.3	4347.5
15°	5908.9	5719.8	5530.8	5335.0	5139.1	4945.4	4751.7	4591.5	4431.3	4294.2
17.5°	5965.5	5773.8	5582.1	5368.4	5154.8	4929.9	4705.1	4512.4	4319.7	4158.5
20°	6027.9	5828.8	5629.4	5394.6	5159.8	4887.3	4614.8	4376.0	4137.2	3949.5
22.5°	6100.4	5896.9	5693.2	5429.9	5166.4	4835.0	4503.6	4216.0	3928.4	3714.7
25°	6193.6	5994.1	5794.8	5493.8	5192.7	4783.4	4374.2	4037.3	3700.5	3481.5
27.5°	6320.2	6130.0	5939.7	5593.8	5247.7	4748.9	4250.1	3873.9	3497.7	3298.3
30°	6490.9	6307.1	6123.4	5723.2	5323.0	4732.7	4142.2	3737.3	3332.5	3165.1
32.5°	6692.4	6510.4	6328.5	5858.2	5387.9	4712.8	4037.3	3619.6	3201.7	3066.8
35°	6937.2	6763.0	6588.7	6012.1	5435.6	4675.1	3915.0	3503.8	3092.7	2980.2
37.5°	7349.4	7127.3	6905.1	6184.5	5463.9	4610.7	3757.5	3367.6	2977.7	2879.5
40°	7972.3	7648.5	7324.8	6403.3	5481.7	4521.9	3562.3	3205.1	2847.8	2758.7
42.5°	8798.3	8331.0	7863.7	6689.6	5515.5	4430.3	3345.5	3025.7	2706.0	2623.8
45°	9818.4	9188.0	8557.7	7066.3	5574.9	4345.2	3115.6	2835.2	2554.7	2471.5
47.5°	11094.1	10206.9	9319.6	7467.7	5615.7	4274.9	2934.1	2684.5	2434.8	2327.4
50°	12766.2	11428.7	10091.0	7840.1	5589.1	4198.3	2807.5	2584.4	2361.2	2220.0
52.5°	14685.5	12712.0	10738.5	8081.9	5425.1	4068.9	2712.9	2518.4	2324.1	2161.7
55°	16729.0	13849.8	10970.9	8028.6	5086.1	3854.4	2622.7	2470.6	2318.6	2167.5
57.5°	18587.6	14656.2	10724.9	7653.5	4582.4	3552.0	2521.4	2414.0	2306.6	2173.4
60°	19710.9	14857.7	10004.4	6955.6	3906.7	3159.3	2411.8	2327.4	2243.0	2155.0
62.5°	19140.5	14009.2	8877.9	6011.8	3145.6	2689.3	2233.0	2176.9	2120.9	2110.1
65°	17998.9	12808.6	7618.4	5048.8	2479.5	2266.5	2053.4	2027.0	2000.5	2001.8
67.5°	16469.2	11379.9	6290.6	4105.6	1920.5	1860.1	1799.5	1814.3	1828.9	1825.3
70°	14631.4	9820.9	5010.4	3232.6	1454.7	1472.1	1489.2	1557.8	1626.3	1626.3
72.5°	12441.4	8130.8	3820.4	2471.3	1122.2	1174.3	1226.6	1323.8	1420.9	1437.2
75°	9671.0	6193.5	2715.9	1793.6	871.3	918.6	965.9	1074.9	1183.8	1259.0
77.5°	6909.8	4334.9	1760.0	1215.4	670.8	703.0	735.3	841.0	946.8	1070.9
80°	4522.4	2792.9	1063.4	783.1	503.0	516.3	529.6	619.2	708.6	856.9
82.5°	2628.8	1616.4	604.2	481.6	359.4	361.7	364.4	430.3	496.3	622.9
85°	1156.6	727.1	297.8	257.5	217.3	216.2	214.8	263.1	311.4	405.5
87.5°	358.1	238.2	118.2	106.8	95.3	94.1	92.9	112.6	132.4	171.5
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°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4294.7	2.5°	4262.8	4231.0	4202.2	4173.5	4148.4	4123.2	4097.9	4072.7	4053.3	4033.6
4256.8	5°	4196.5	4136.0	4085.4	4034.9	3990.3	3945.7	3905.2	3864.6	3833.4	3802.1
4243.1	7.5°	4162.8	4082.7	4016.1	3949.5	3893.4	3837.1	3787.5	3738.0	3700.9	3663.9
4249.8	10°	4165.2	4080.6	4014.0	3947.3	3886.9	3826.3	3770.5	3714.7	3670.4	3625.9
4258.1	12.5°	4188.8	4119.9	4075.6	4031.6	3984.0	3936.7	3878.9	3821.3	3764.6	3708.0
4222.6	15°	4189.5	4156.5	4162.5	4168.5	4156.2	4143.9	4093.7	4043.6	3963.0	3882.4
4114.4	17.5°	4126.5	4138.5	4211.1	4283.8	4322.4	4360.9	4320.4	4280.1	4173.3	4066.6
3937.9	20°	3994.5	4051.1	4177.2	4303.4	4384.2	4465.0	4446.3	4427.5	4305.4	4183.5
3737.5	22.5°	3821.3	3905.0	4048.9	4193.2	4298.2	4403.3	4414.7	4425.8	4309.2	4192.7
3543.2	25°	3639.7	3736.3	3865.7	3995.3	4098.7	4202.2	4240.8	4279.3	4183.7	4088.2
3373.3	27.5°	3466.5	3559.8	3666.2	3772.5	3855.4	3938.4	3981.3	4024.5	3956.3	3888.4
3223.9	30°	3297.8	3372.1	3460.4	3548.6	3617.4	3686.4	3721.3	3756.3	3704.5	3652.6
3093.0	32.5°	3136.8	3180.6	3251.0	3321.7	3387.6	3453.7	3492.5	3531.5	3483.9	3436.1
2969.4	35°	2981.4	2993.6	3047.4	3101.0	3166.3	3231.7	3278.4	3325.0	3291.0	3257.2
2839.8	37.5°	2826.5	2813.2	2851.8	2890.3	2955.4	3020.7	3078.3	3136.0	3120.3	3104.6
2698.0	40°	2667.8	2637.7	2665.5	2693.3	2756.2	2819.2	2885.5	2951.9	2955.8	2959.4
2547.2	42.5°	2507.3	2467.3	2489.9	2512.8	2572.4	2632.2	2703.8	2775.4	2794.6	2813.7
2397.4	45°	2358.4	2319.6	2338.6	2357.9	2414.5	2471.1	2545.4	2619.7	2647.2	2674.6
2263.6	47.5°	2231.0	2198.3	2216.3	2234.1	2289.6	2344.9	2418.2	2491.4	2523.1	2554.7
2145.9	50°	2116.9	2088.1	2116.1	2144.2	2196.5	2248.6	2314.2	2379.9	2420.5	2461.1
2058.1	52.5°	2029.5	2001.0	2043.1	2085.1	2133.1	2180.8	2242.0	2303.3	2351.4	2399.5
2011.5	55°	1966.2	1921.0	1980.8	2040.5	2092.1	2143.7	2197.3	2250.8	2301.8	2352.9
1983.5	57.5°	1917.5	1851.6	1915.9	1980.2	2040.8	2101.4	2154.4	2207.5	2259.0	2310.3
1957.2	60°	1871.7	1786.1	1842.6	1898.9	1968.5	2038.1	2091.9	2145.9	2197.5	2249.1
1926.5	62.5°	1819.6	1712.9	1748.7	1784.5	1865.6	1946.9	2004.3	2061.8	2109.1	2156.4
1861.9	65°	1748.3	1634.6	1648.4	1662.1	1749.0	1836.1	1891.1	1946.0	1987.7	2029.3
1746.7	67.5°	1652.1	1557.5	1553.2	1548.8	1629.1	1709.5	1761.7	1813.6	1849.6	1885.6
1600.5	70°	1533.2	1465.9	1450.9	1435.9	1506.5	1577.1	1622.1	1667.1	1699.5	1732.0
1437.6	72.5°	1391.4	1345.3	1323.3	1301.5	1357.1	1412.6	1453.2	1493.9	1525.7	1557.5
1252.7	75°	1217.2	1181.6	1160.6	1139.5	1180.8	1222.1	1258.9	1295.7	1324.7	1353.6
1067.5	77.5°	1039.0	1010.6	989.3	967.9	1001.6	1035.0	1066.7	1098.3	1128.8	1159.1
856.4	80°	832.5	808.6	790.7	772.7	800.7	828.5	855.2	881.8	905.0	928.0
629.9	82.5°	618.2	606.5	593.9	581.2	578.9	576.6	567.2	557.9	607.2	656.5
414.7	85°	402.2	389.7	375.5	361.4	349.4	337.2	311.4	285.6	331.7	378.0
183.2	87.5°	178.2	173.2	170.5	167.9	167.4	166.9	147.2	127.4	146.7	166.2
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°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4017.8	2.5°	4002.0	3989.6	3977.3	3966.0	3954.5	3940.3	3954.5	3966.0	3977.3	3989.6
3780.3	5°	3758.5	3743.0	3727.5	3715.7	3703.9	3692.2	3703.9	3715.7	3727.5	3743.0
3637.9	7.5°	3611.9	3594.1	3576.5	3565.8	3555.3	3547.3	3555.3	3565.8	3576.5	3594.1
3596.9	10°	3567.6	3550.8	3534.0	3525.0	3516.0	3512.3	3516.0	3525.0	3534.0	3550.8
3670.6	12.5°	3633.1	3614.3	3595.6	3587.9	3580.3	3579.0	3580.3	3587.9	3595.6	3614.3
3825.4	15°	3768.5	3742.3	3716.4	3706.4	3696.4	3695.5	3696.4	3706.4	3716.4	3742.3
3982.7	17.5°	3898.7	3860.1	3821.3	3808.6	3795.8	3793.8	3795.8	3808.6	3821.3	3860.1
4080.6	20°	3977.8	3928.4	3878.7	3862.9	3847.1	3842.1	3847.1	3862.9	3878.7	3928.4
4086.7	22.5°	3980.7	3928.5	3876.2	3858.7	3841.3	3833.8	3841.3	3858.7	3876.2	3928.5
3994.0	25°	3900.0	3854.7	3809.6	3793.1	3776.8	3767.1	3776.8	3793.1	3809.6	3854.7
3815.3	27.5°	3742.2	3711.9	3681.4	3673.9	3666.4	3663.9	3666.4	3673.9	3681.4	3711.9
3600.3	30°	3547.6	3532.2	3516.5	3516.5	3516.5	3519.0	3516.5	3516.5	3516.5	3532.2
3394.3	32.5°	3352.5	3342.3	3332.1	3333.5	3335.0	3337.5	3335.0	3333.5	3332.1	3342.3
3218.6	35°	3180.1	3164.6	3149.3	3146.0	3142.6	3141.0	3142.6	3146.0	3149.3	3164.6
3069.2	37.5°	3033.5	3005.4	2977.4	2962.6	2947.8	2939.4	2947.8	2962.6	2977.4	3005.4
2929.3	40°	2899.1	2858.2	2817.5	2789.9	2762.6	2746.3	2762.6	2789.9	2817.5	2858.2
2788.2	42.5°	2762.9	2712.1	2661.3	2621.2	2581.0	2554.7	2581.0	2621.2	2661.3	2712.1
2651.7	45°	2628.8	2570.7	2512.8	2465.6	2418.5	2388.2	2418.5	2465.6	2512.8	2570.7
2538.7	47.5°	2522.8	2471.1	2419.5	2375.9	2332.4	2303.3	2332.4	2375.9	2419.5	2471.1
2460.1	50°	2459.5	2418.2	2376.9	2336.6	2296.3	2268.3	2296.3	2336.6	2376.9	2418.2
2408.2	52.5°	2416.8	2383.2	2349.6	2313.4	2277.4	2251.6	2277.4	2313.4	2349.6	2383.2
2364.9	55°	2376.9	2347.6	2318.2	2286.6	2255.0	2231.6	2255.0	2286.6	2318.2	2347.6
2322.4	57.5°	2334.6	2304.9	2275.3	2244.0	2212.5	2188.3	2212.5	2244.0	2275.3	2304.9
2262.5	60°	2275.8	2246.8	2218.0	2185.7	2153.4	2128.4	2153.4	2185.7	2218.0	2246.8
2169.2	62.5°	2182.0	2155.9	2129.7	2095.7	2061.8	2031.8	2061.8	2095.7	2129.7	2155.9
2042.5	65°	2055.4	2030.3	2005.1	1972.2	1939.4	1913.6	1939.4	1972.2	2005.1	2030.3
1898.4	67.5°	1911.1	1887.9	1864.9	1834.3	1803.6	1780.3	1803.6	1834.3	1864.9	1887.9
1744.3	70°	1756.7	1737.9	1719.0	1689.7	1660.4	1633.8	1660.4	1689.7	1719.0	1737.9
1572.1	72.5°	1586.8	1571.1	1555.5	1527.5	1499.7	1473.9	1499.7	1527.5	1555.5	1571.1
1369.0	75°	1384.3	1376.6	1369.0	1345.5	1322.0	1297.4	1322.0	1345.5	1369.0	1376.6
1173.4	77.5°	1187.8	1177.1	1166.1	1142.5	1118.8	1099.2	1118.8	1142.5	1166.1	1177.1
946.9	80°	965.9	961.3	956.8	925.0	893.0	856.0	893.0	925.0	956.8	961.3
688.8	82.5°	721.1	719.1	717.0	690.1	663.2	639.5	663.2	690.1	717.0	719.1
418.0	85°	458.0	454.7	451.3	430.3	409.4	388.0	409.4	430.3	451.3	454.7
182.4	87.5°	198.5	194.5	190.2	179.5	168.5	158.2	168.5	179.5	190.2	194.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4002.0	2.5°	4017.8	4033.6	4053.3	4072.7	4097.9	4123.2	4148.4	4173.5	4202.2	4231.0
3758.5	5°	3780.3	3802.1	3833.4	3864.6	3905.2	3945.7	3990.3	4034.9	4085.4	4136.0
3611.9	7.5°	3637.9	3663.9	3700.9	3738.0	3787.5	3837.1	3893.4	3949.5	4016.1	4082.7
3567.6	10°	3596.9	3625.9	3670.4	3714.7	3770.5	3826.3	3886.9	3947.3	4014.0	4080.6
3633.1	12.5°	3670.6	3708.0	3764.6	3821.3	3878.9	3936.7	3984.0	4031.6	4075.6	4119.9
3768.5	15°	3825.4	3882.4	3963.0	4043.6	4093.7	4143.9	4156.2	4168.5	4162.5	4156.5
3898.7	17.5°	3982.7	4066.6	4173.3	4280.1	4320.4	4360.9	4322.4	4283.8	4211.1	4138.5
3977.8	20°	4080.6	4183.5	4305.4	4427.5	4446.3	4465.0	4384.2	4303.4	4177.2	4051.1
3980.7	22.5°	4086.7	4192.7	4309.2	4425.8	4414.7	4403.3	4298.2	4193.2	4048.9	3905.0
3900.0	25°	3994.0	4088.2	4183.7	4279.3	4240.8	4202.2	4098.7	3995.3	3865.7	3736.3
3742.2	27.5°	3815.3	3888.4	3956.3	4024.5	3981.3	3938.4	3855.4	3772.5	3666.2	3559.8
3547.6	30°	3600.3	3652.6	3704.5	3756.3	3721.3	3686.4	3617.4	3548.6	3460.4	3372.1
3352.5	32.5°	3394.3	3436.1	3483.9	3531.5	3492.5	3453.7	3387.6	3321.7	3251.0	3180.6
3180.1	35°	3218.6	3257.2	3291.0	3325.0	3278.4	3231.7	3166.3	3101.0	3047.4	2993.6
3033.5	37.5°	3069.2	3104.6	3120.3	3136.0	3078.3	3020.7	2955.4	2890.3	2851.8	2813.2
2899.1	40°	2929.3	2959.4	2955.8	2951.9	2885.5	2819.2	2756.2	2693.3	2665.5	2637.7
2762.9	42.5°	2788.2	2813.7	2794.6	2775.4	2703.8	2632.2	2572.4	2512.8	2489.9	2467.3
2628.8	45°	2651.7	2674.6	2647.2	2619.7	2545.4	2471.1	2414.5	2357.9	2338.6	2319.6
2522.8	47.5°	2538.7	2554.7	2523.1	2491.4	2418.2	2344.9	2289.6	2234.1	2216.3	2198.3
2459.5	50°	2460.1	2461.1	2420.5	2379.9	2314.2	2248.6	2196.5	2144.2	2116.1	2088.1
2416.8	52.5°	2408.2	2399.5	2351.4	2303.3	2242.0	2180.8	2133.1	2085.1	2043.1	2001.0
2376.9	55°	2364.9	2352.9	2301.8	2250.8	2197.3	2143.7	2092.1	2040.5	1980.8	1921.0
2334.6	57.5°	2322.4	2310.3	2259.0	2207.5	2154.4	2101.4	2040.8	1980.2	1915.9	1851.6
2275.8	60°	2262.5	2249.1	2197.5	2145.9	2091.9	2038.1	1968.5	1898.9	1842.6	1786.1
2182.0	62.5°	2169.2	2156.4	2109.1	2061.8	2004.3	1946.9	1865.6	1784.5	1748.7	1712.9
2055.4	65°	2042.5	2029.3	1987.7	1946.0	1891.1	1836.1	1749.0	1662.1	1648.4	1634.6
1911.1	67.5°	1898.4	1885.6	1849.6	1813.6	1761.7	1709.5	1629.1	1548.8	1553.2	1557.5
1756.7	70°	1744.3	1732.0	1699.5	1667.1	1622.1	1577.1	1506.5	1435.9	1450.9	1465.9
1586.8	72.5°	1572.1	1557.5	1525.7	1493.9	1453.2	1412.6	1357.1	1301.5	1323.3	1345.3
1384.3	75°	1369.0	1353.6	1324.7	1295.7	1258.9	1222.1	1180.8	1139.5	1160.6	1181.6
1187.8	77.5°	1173.4	1159.1	1128.8	1098.3	1066.7	1035.0	1001.6	967.9	989.3	1010.6
965.9	80°	946.9	928.0	905.0	881.8	855.2	828.5	800.7	772.7	790.7	808.6
721.1	82.5°	688.8	656.5	607.2	557.9	567.2	576.6	578.9	581.2	593.9	606.5
458.0	85°	418.0	378.0	331.7	285.6	311.4	337.2	349.4	361.4	375.5	389.7
198.5	87.5°	182.4	166.2	146.7	127.4	147.2	166.9	167.4	167.9	170.5	173.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4262.8	2.5°	4294.7	4334.2	4369.7	4406.3	4443.0	4481.3	4519.6	4557.5	4595.7	4631.5
4196.5	5°	4256.8	4325.9	4395.8	4469.9	4544.1	4623.3	4702.8	4781.5	4860.5	4939.6
4162.8	7.5°	4243.1	4332.6	4428.0	4531.4	4634.8	4752.2	4869.6	4990.2	5110.8	5241.2
4165.2	10°	4249.8	4345.9	4463.6	4586.2	4708.4	4851.2	4993.7	5152.9	5312.3	5477.4
4188.8	12.5°	4258.1	4347.5	4471.3	4609.7	4748.1	4916.3	5084.5	5265.0	5445.5	5626.7
4189.5	15°	4222.6	4294.2	4431.3	4591.5	4751.7	4945.4	5139.1	5335.0	5530.8	5719.8
4126.5	17.5°	4114.4	4158.5	4319.7	4512.4	4705.1	4929.9	5154.8	5368.4	5582.1	5773.8
3994.5	20°	3937.9	3949.5	4137.2	4376.0	4614.8	4887.3	5159.8	5394.6	5629.4	5828.8
3821.3	22.5°	3737.5	3714.7	3928.4	4216.0	4503.6	4835.0	5166.4	5429.9	5693.2	5896.9
3639.7	25°	3543.2	3481.5	3700.5	4037.3	4374.2	4783.4	5192.7	5493.8	5794.8	5994.1
3466.5	27.5°	3373.3	3298.3	3497.7	3873.9	4250.1	4748.9	5247.7	5593.8	5939.7	6130.0
3297.8	30°	3223.9	3165.1	3332.5	3737.3	4142.2	4732.7	5323.0	5723.2	6123.4	6307.1
3136.8	32.5°	3093.0	3066.8	3201.7	3619.6	4037.3	4712.8	5387.9	5858.2	6328.5	6510.4
2981.4	35°	2969.4	2980.2	3092.7	3503.8	3915.0	4675.1	5435.6	6012.1	6588.7	6763.0
2826.5	37.5°	2839.8	2879.5	2977.7	3367.6	3757.5	4610.7	5463.9	6184.5	6905.1	7127.3
2667.8	40°	2698.0	2758.7	2847.8	3205.1	3562.3	4521.9	5481.7	6403.3	7324.8	7648.5
2507.3	42.5°	2547.2	2623.8	2706.0	3025.7	3345.5	4430.3	5515.5	6689.6	7863.7	8331.0
2358.4	45°	2397.4	2471.5	2554.7	2835.2	3115.6	4345.2	5574.9	7066.3	8557.7	9188.0
2231.0	47.5°	2263.6	2327.4	2434.8	2684.5	2934.1	4274.9	5615.7	7467.7	9319.6	10206.9
2116.9	50°	2145.9	2220.0	2361.2	2584.4	2807.5	4198.3	5589.1	7840.1	10091.0	11428.7
2029.5	52.5°	2058.1	2161.7	2324.1	2518.4	2712.9	4068.9	5425.1	8081.9	10738.5	12712.0
1966.2	55°	2011.5	2167.5	2318.6	2470.6	2622.7	3854.4	5086.1	8028.6	10970.9	13849.8
1917.5	57.5°	1983.5	2173.4	2306.6	2414.0	2521.4	3552.0	4582.4	7653.5	10724.9	14656.2
1871.7	60°	1957.2	2155.0	2243.0	2327.4	2411.8	3159.3	3906.7	6955.6	10004.4	14857.7
1819.6	62.5°	1926.5	2110.1	2120.9	2176.9	2233.0	2689.3	3145.6	6011.8	8877.9	14009.2
1748.3	65°	1861.9	2001.8	2000.5	2027.0	2053.4	2266.5	2479.5	5048.8	7618.4	12808.6
1652.1	67.5°	1746.7	1825.3	1828.9	1814.3	1799.5	1860.1	1920.5	4105.6	6290.6	11379.9
1533.2	70°	1600.5	1626.3	1626.3	1557.8	1489.2	1472.1	1454.7	3232.6	5010.4	9820.9
1391.4	72.5°	1437.6	1437.2	1420.9	1323.8	1226.6	1174.3	1122.2	2471.3	3820.4	8130.8
1217.2	75°	1252.7	1259.0	1183.8	1074.9	965.9	918.6	871.3	1793.6	2715.9	6193.5
1039.0	77.5°	1067.5	1070.9	946.8	841.0	735.3	703.0	670.8	1215.4	1760.0	4334.9
832.5	80°	856.4	856.9	708.6	619.2	529.6	516.3	503.0	783.1	1063.4	2792.9
618.2	82.5°	629.9	622.9	496.3	430.3	364.4	361.7	359.4	481.6	604.2	1616.4
402.2	85°	414.7	405.5	311.4	263.1	214.8	216.2	217.3	257.5	297.8	727.1
178.2	87.5°	183.2	171.5	132.4	112.6	92.9	94.1	95.3	106.8	118.2	238.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4667.3	2.5°	4685.0	4702.8	4727.9	4753.1	4768.1	4783.0	4790.5	4798.0	4794.7	4798.0
5018.7	5°	5080.5	5142.4	5203.7	5265.2	5298.5	5331.8	5351.9	5372.3	5387.6	5372.3
5371.8	7.5°	5472.4	5572.8	5663.2	5753.6	5808.1	5862.6	5892.0	5921.3	5935.5	5921.3
5642.4	10°	5761.3	5880.2	5986.3	6092.4	6156.7	6220.6	6249.3	6277.7	6288.6	6277.7
5808.1	12.5°	5937.0	6065.7	6161.7	6257.3	6303.9	6350.5	6366.2	6381.8	6383.5	6381.8
5908.9	15°	6020.1	6131.2	6191.3	6251.6	6253.3	6254.9	6238.3	6221.6	6202.0	6221.6
5965.5	17.5°	6040.6	6115.7	6116.9	6117.9	6050.4	5983.0	5921.2	5859.2	5815.6	5859.2
6027.9	20°	6054.1	6080.4	6001.3	5922.2	5773.3	5624.4	5516.0	5407.6	5341.0	5407.6
6100.4	22.5°	6066.1	6031.8	5867.9	5704.0	5485.0	5266.0	5130.4	4994.9	4921.3	4994.9
6193.6	25°	6085.4	5977.1	5728.3	5479.5	5213.6	4947.6	4805.0	4662.8	4593.2	4662.8
6320.2	27.5°	6126.7	5933.0	5603.4	5274.0	4979.2	4684.5	4544.2	4404.2	4338.4	4404.2
6490.9	30°	6202.3	5913.9	5508.2	5102.5	4795.4	4488.3	4358.2	4228.1	4166.8	4228.1
6692.4	32.5°	6297.2	5902.2	5443.2	4984.2	4695.6	4407.0	4304.9	4202.7	4158.5	4202.7
6937.2	35°	6453.6	5970.1	5491.8	5013.7	4813.2	4612.8	4589.0	4565.2	4561.5	4565.2
7349.4	37.5°	6780.5	6211.6	5777.0	5342.3	5329.3	5316.3	5425.2	5534.1	5590.8	5534.1
7972.3	40°	7353.6	6734.9	6411.6	6088.4	6316.6	6544.7	6809.5	7074.3	7206.2	7074.3
8798.3	42.5°	8184.5	7570.6	7384.4	7198.2	7695.8	8193.5	8675.1	9156.7	9439.5	9156.7
9818.4	45°	9267.0	8715.4	8633.3	8551.0	9348.3	10145.7	10937.1	11728.6	12209.1	11728.6
11094.1	47.5°	10557.7	10021.1	10004.4	9987.8	11137.9	12287.7	13446.3	14604.8	15285.1	14604.8
12766.2	50°	12103.5	11441.0	11443.8	11446.7	12928.9	14411.1	15940.4	17469.8	18394.4	17469.8
14685.5	52.5°	13883.2	13080.9	12999.8	12918.6	14689.0	16459.5	18351.8	20243.8	21352.2	20243.8
16729.0	55°	15936.3	15143.5	14827.3	14511.0	16481.5	18451.9	20707.7	22963.4	24281.6	22963.4
18587.6	57.5°	18155.9	17724.1	17089.7	16455.5	18445.2	20434.9	22989.9	25544.8	27179.4	25544.8
19710.9	60°	20381.4	21052.1	20264.3	19476.6	21359.5	23242.4	25978.0	28713.6	30480.3	28713.6
19140.5	62.5°	20972.6	22804.7	22716.0	22627.0	24351.9	26076.9	28679.6	31282.1	32915.1	31282.1
17998.9	65°	19718.4	21437.9	21778.2	22118.3	24310.3	26502.4	29026.2	31549.8	32940.1	31549.8
16469.2	67.5°	18104.6	19740.1	19899.6	20059.0	22342.9	24626.7	27161.3	29695.8	30785.0	29695.8
14631.4	70°	16410.2	18189.2	18260.5	18332.0	20374.4	22416.7	24597.9	26778.9	27384.3	26778.9
12441.4	72.5°	14482.7	16524.2	16575.4	16626.6	18224.5	19822.5	21456.1	23089.5	23150.8	23089.5
9671.0	75°	11783.7	13896.5	14086.2	14275.9	15519.1	16762.3	17912.3	19062.2	18754.1	19062.2
6909.8	77.5°	8881.9	10854.3	11125.7	11397.2	12342.3	13287.4	14103.0	14918.7	14389.1	14918.7
4522.4	80°	6181.7	7840.7	8178.1	8515.6	9229.3	9942.8	10371.1	10799.3	9947.5	10799.3
2628.8	82.5°	3763.2	4897.6	5274.5	5651.6	6142.8	6634.1	6812.8	6991.4	6321.9	6991.4
1156.6	85°	1758.7	2360.7	2681.3	3001.9	3405.6	3809.1	3910.5	4012.0	3475.7	4012.0
358.1	87.5°	560.4	762.8	941.6	1120.5	1322.3	1524.2	1532.8	1541.3	1294.0	1541.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
4340.0	0°	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0	4340.0
4790.5	2.5°	4783.0	4768.1	4753.1	4727.9	4702.8	4685.0	4667.3
5351.9	5°	5331.8	5298.5	5265.2	5203.7	5142.4	5080.5	5018.7
5892.0	7.5°	5862.6	5808.1	5753.6	5663.2	5572.8	5472.4	5371.8
6249.3	10°	6220.6	6156.7	6092.4	5986.3	5880.2	5761.3	5642.4
6366.2	12.5°	6350.5	6303.9	6257.3	6161.7	6065.7	5937.0	5808.1
6238.3	15°	6254.9	6253.3	6251.6	6191.3	6131.2	6020.1	5908.9
5921.2	17.5°	5983.0	6050.4	6117.9	6116.9	6115.7	6040.6	5965.5
5516.0	20°	5624.4	5773.3	5922.2	6001.3	6080.4	6054.1	6027.9
5130.4	22.5°	5266.0	5485.0	5704.0	5867.9	6031.8	6066.1	6100.4
4805.0	25°	4947.6	5213.6	5479.5	5728.3	5977.1	6085.4	6193.6
4544.2	27.5°	4684.5	4979.2	5274.0	5603.4	5933.0	6126.7	6320.2
4358.2	30°	4488.3	4795.4	5102.5	5508.2	5913.9	6202.3	6490.9
4304.9	32.5°	4407.0	4695.6	4984.2	5443.2	5902.2	6297.2	6692.4
4589.0	35°	4612.8	4813.2	5013.7	5491.8	5970.1	6453.6	6937.2
5425.2	37.5°	5316.3	5329.3	5342.3	5777.0	6211.6	6780.5	7349.4
6809.5	40°	6544.7	6316.6	6088.4	6411.6	6734.9	7353.6	7972.3
8675.1	42.5°	8193.5	7695.8	7198.2	7384.4	7570.6	8184.5	8798.3
10937.1	45°	10145.7	9348.3	8551.0	8633.3	8715.4	9267.0	9818.4
13446.3	47.5°	12287.7	11137.9	9987.8	10004.4	10021.1	10557.7	11094.1
15940.4	50°	14411.1	12928.9	11446.7	11443.8	11441.0	12103.5	12766.2
18351.8	52.5°	16459.5	14689.0	12918.6	12999.8	13080.9	13883.2	14685.5
20707.7	55°	18451.9	16481.5	14511.0	14827.3	15143.5	15936.3	16729.0
22989.9	57.5°	20434.9	18445.2	16455.5	17089.7	17724.1	18155.9	18587.6
25978.0	60°	23242.4	21359.5	19476.6	20264.3	21052.1	20381.4	19710.9
28679.6	62.5°	26076.9	24351.9	22627.0	22716.0	22804.7	20972.6	19140.5
29026.2	65°	26502.4	24310.3	22118.3	21778.2	21437.9	19718.4	17998.9
27161.3	67.5°	24626.7	22342.9	20059.0	19899.6	19740.1	18104.6	16469.2
24597.9	70°	22416.7	20374.4	18332.0	18260.5	18189.2	16410.2	14631.4
21456.1	72.5°	19822.5	18224.5	16626.6	16575.4	16524.2	14482.7	12441.4
17912.3	75°	16762.3	15519.1	14275.9	14086.2	13896.5	11783.7	9671.0
14103.0	77.5°	13287.4	12342.3	11397.2	11125.7	10854.3	8881.9	6909.8
10371.1	80°	9942.8	9229.3	8515.6	8178.1	7840.7	6181.7	4522.4
6812.8	82.5°	6634.1	6142.8	5651.6	5274.5	4897.6	3763.2	2628.8
3910.5	85°	3809.1	3405.6	3001.9	2681.3	2360.7	1758.7	1156.6
1532.8	87.5°	1524.2	1322.3	1120.5	941.6	762.8	560.4	358.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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