

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: P954985

Luminaire Tested: **GALN-SB8A-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954985
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-SB8A-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31428 lumens
Efficiency: N/A
Efficacy: 138.4 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

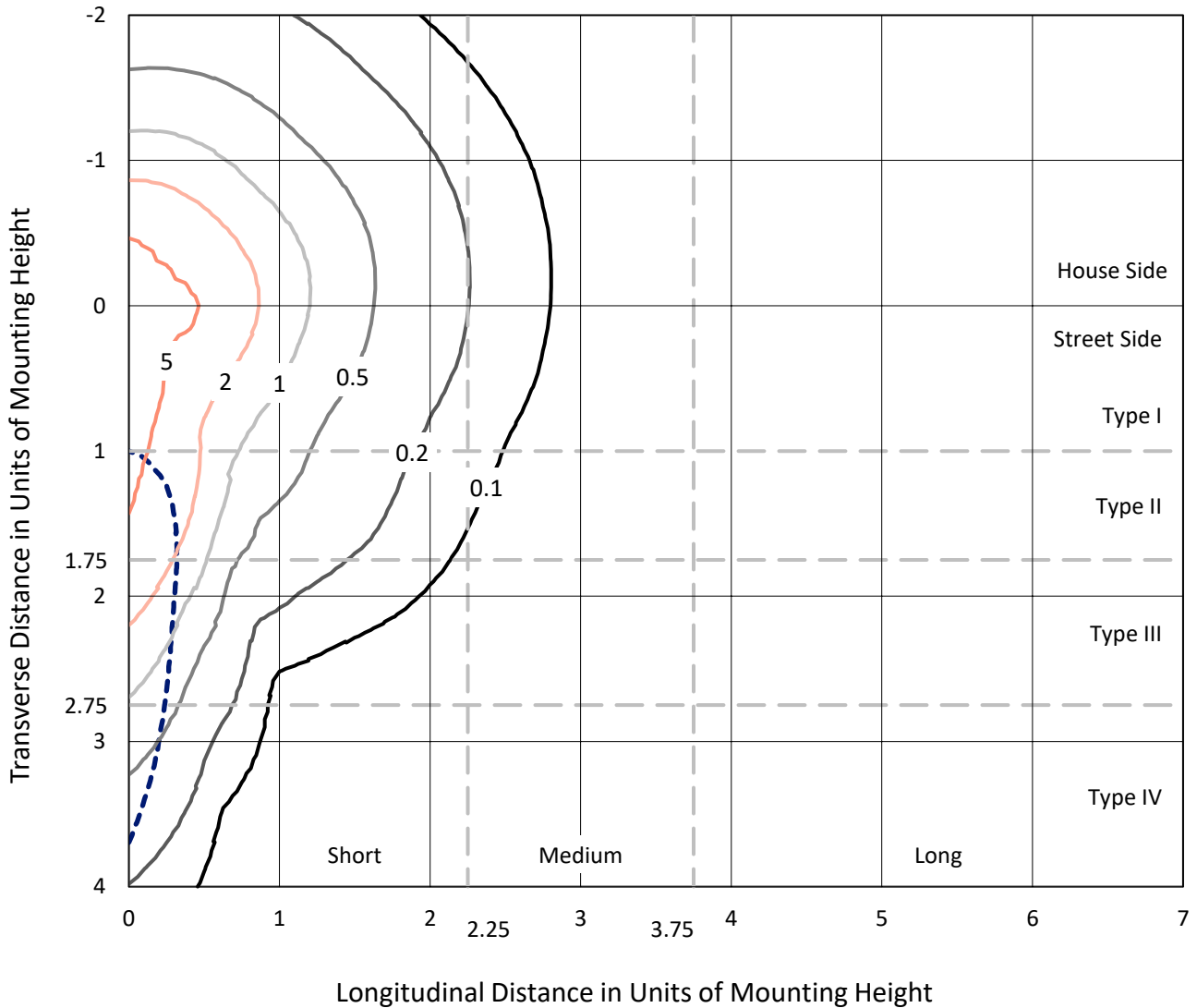
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

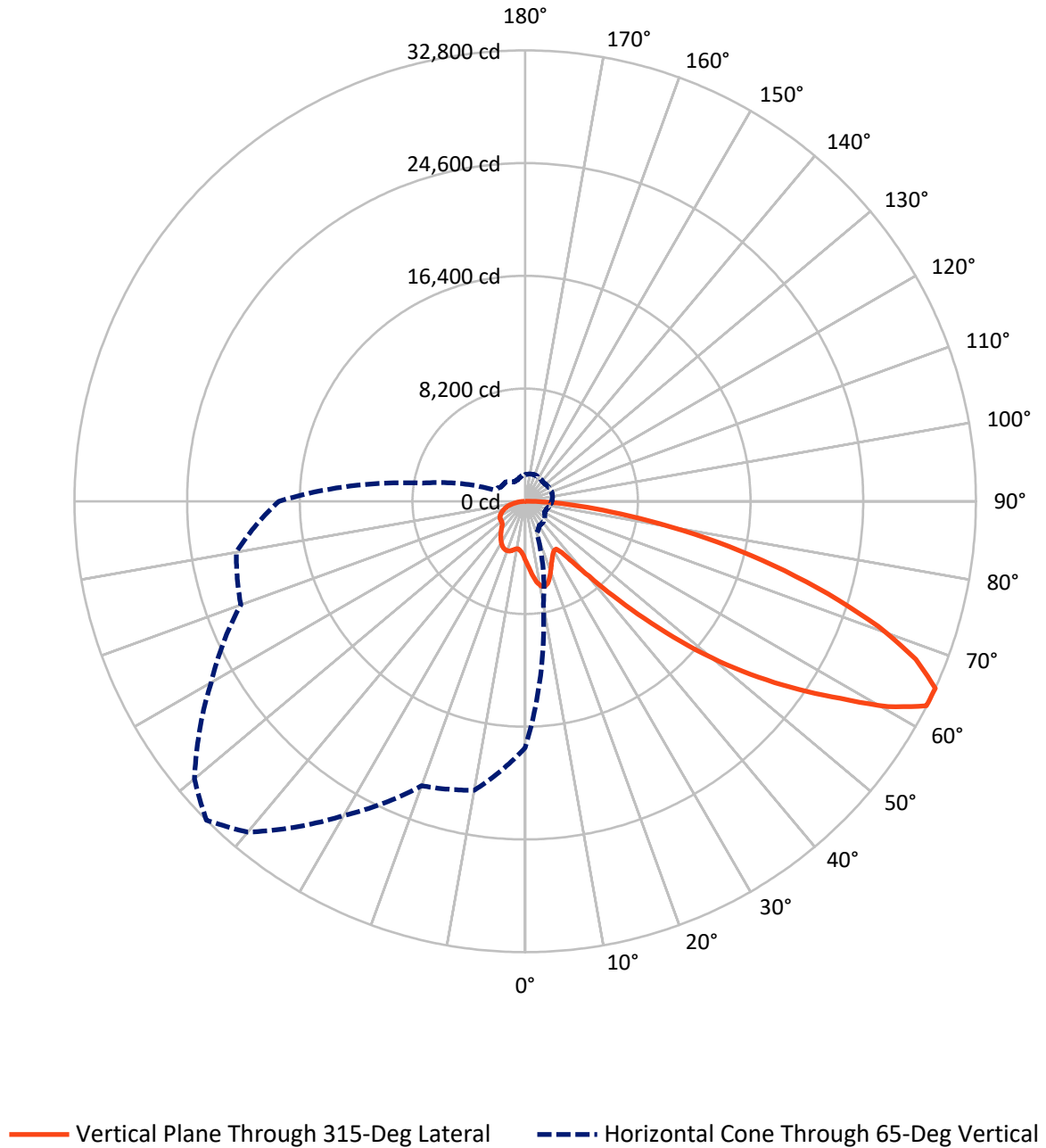
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	7987.4	0.0	7987.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23440.6	0.0	23440.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	31428.0	0.0	31428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.7	1.4
10°-20°	1345.8	4.3
20°-30°	2078.8	6.6
30°-40°	2634.3	8.4
40°-50°	3973.2	12.6
50°-60°	6419.3	20.4
60°-70°	8002.7	25.5
70°-80°	5247.8	16.7
80°-90°	1297.4	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°	31428.0	100.0
0°-180°	31428.0	100.0

Coefficient of Utilization



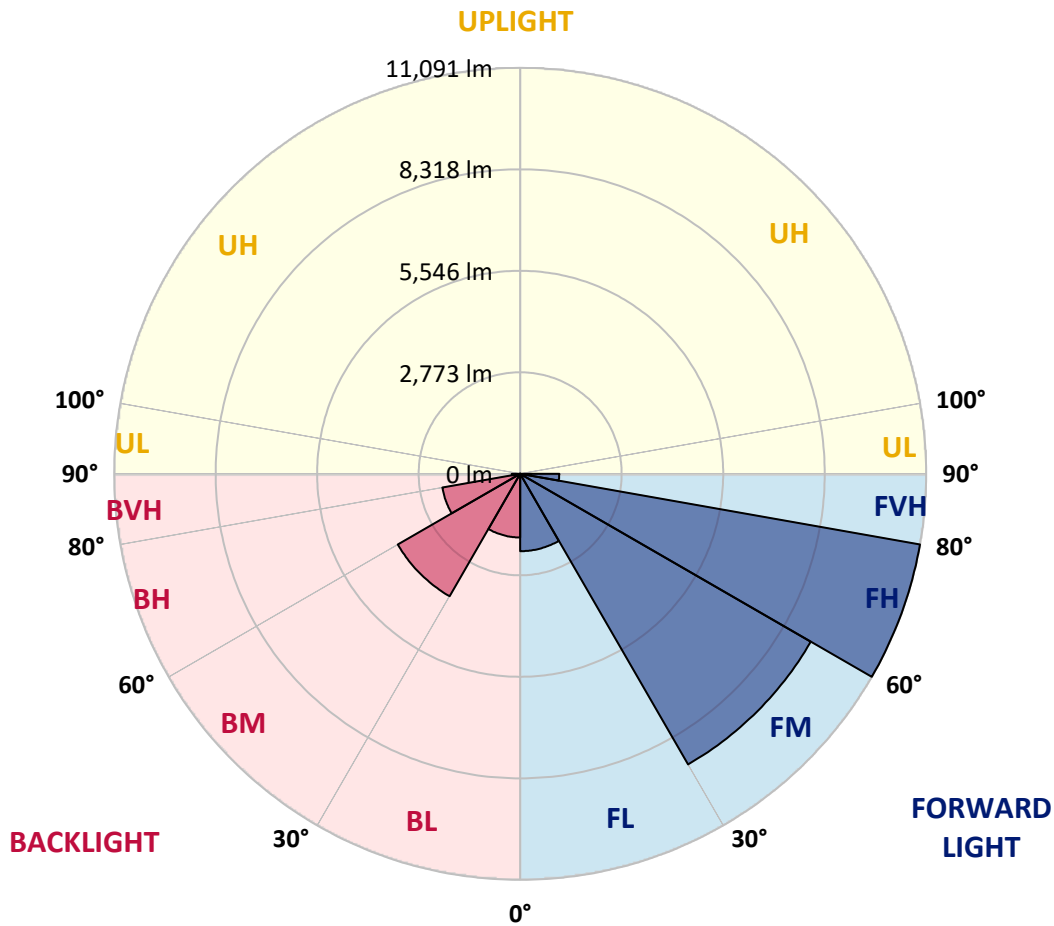
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2113.9	6.7			
FM (30°-60°)	9166.9	29.2			
FH (60°-80°)	11091.1	35.3			G4/12000
FVH (80°-90°)	1068.8	3.4			G5
BL (0°-30°)	1739.4	5.5	B3/2500		
BM (30°-60°)	3860.0	12.3	B3/5000		
BH (60°-80°)	2159.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	228.6	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°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
2.5°	4647.5	4611.8	4576.2	4538.2	4500.4	4462.2	4424.1	4387.6	4351.1	4315.8
5°	4997.4	4918.6	4839.9	4761.2	4682.8	4603.7	4524.8	4451.0	4377.2	4307.5
7.5°	5349.0	5218.9	5089.1	4969.0	4849.0	4732.1	4615.1	4512.2	4409.2	4314.2
10°	5618.4	5454.1	5289.8	5131.1	4972.5	4830.6	4688.4	4566.7	4444.7	4327.4
12.5°	5783.4	5602.9	5422.4	5242.7	5062.9	4895.4	4727.9	4590.1	4452.3	4329.1
15°	5883.8	5695.6	5507.3	5312.3	5117.3	4924.4	4731.6	4572.0	4412.5	4276.0
17.5°	5940.2	5749.3	5558.4	5345.6	5132.9	4909.0	4685.1	4493.3	4301.4	4140.9
20°	6002.3	5804.0	5605.5	5371.7	5137.9	4866.5	4595.2	4357.4	4119.6	3932.7
22.5°	6074.5	5871.8	5669.0	5406.8	5144.5	4814.5	4484.5	4198.1	3911.7	3698.9
25°	6167.3	5968.7	5770.2	5470.5	5170.7	4763.1	4355.6	4020.1	3684.8	3466.7
27.5°	6293.4	6104.0	5914.5	5570.0	5225.4	4728.7	4232.1	3857.5	3482.8	3284.3
30°	6463.4	6280.3	6097.4	5698.9	5300.4	4712.7	4124.6	3721.5	3318.3	3151.7
32.5°	6664.0	6482.8	6301.7	5833.4	5365.0	4692.8	4020.1	3604.2	3188.1	3053.8
35°	6907.8	6734.3	6560.7	5986.6	5412.5	4655.3	3898.4	3489.0	3079.5	2967.6
37.5°	7318.2	7097.0	6875.8	6158.2	5440.7	4591.1	3741.5	3353.3	2965.1	2867.3
40°	7938.4	7616.1	7293.7	6376.1	5458.4	4502.7	3547.2	3191.5	2835.8	2747.0
42.5°	8761.0	8295.7	7830.3	6661.2	5492.1	4411.5	3331.3	3012.9	2694.5	2612.7
45°	9776.7	9149.0	8521.4	7036.3	5551.3	4326.8	3102.4	2823.1	2543.9	2461.0
47.5°	11047.0	10163.6	9280.0	7436.0	5591.9	4256.8	2921.7	2673.1	2424.5	2317.5
50°	12712.0	11380.2	10048.2	7806.8	5565.4	4180.5	2795.6	2573.4	2351.2	2210.6
52.5°	14623.2	12658.1	10692.9	8047.6	5402.0	4051.6	2701.4	2507.7	2314.2	2152.5
55°	16658.0	13791.0	10924.3	7994.5	5064.6	3838.1	2611.5	2460.1	2308.7	2158.3
57.5°	18508.7	14594.0	10679.3	7621.0	4562.9	3536.9	2510.7	2403.8	2296.8	2164.1
60°	19627.2	14794.7	9961.9	6926.0	3890.1	3145.9	2401.6	2317.5	2233.4	2145.9
62.5°	19059.2	13949.7	8840.3	5986.3	3132.3	2677.9	2223.5	2167.6	2111.9	2101.1
65°	17922.5	12754.3	7586.1	5027.4	2468.9	2256.8	2044.7	2018.4	1992.0	1993.3
67.5°	16399.3	11331.6	6263.9	4088.1	1912.4	1852.2	1791.8	1806.6	1821.2	1817.5
70°	14569.3	9779.2	4989.1	3218.8	1448.6	1465.8	1482.9	1551.2	1619.4	1619.4
72.5°	12388.6	8096.3	3804.2	2460.8	1117.4	1169.3	1221.4	1318.2	1414.9	1431.1
75°	9630.0	6167.2	2704.4	1786.0	867.6	914.7	961.8	1070.3	1178.7	1253.7
77.5°	6880.4	4316.5	1752.5	1210.3	668.0	700.0	732.2	837.5	942.8	1066.3
80°	4503.2	2781.0	1058.8	779.7	500.8	514.1	527.4	616.6	705.6	853.2
82.5°	2617.7	1609.6	601.6	479.6	357.9	360.2	362.8	428.5	494.2	620.2
85°	1151.7	724.0	296.5	256.4	216.4	215.3	213.9	262.0	310.1	403.8
87.5°	356.5	237.1	117.7	106.3	94.9	93.7	92.5	112.1	131.8	170.8
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°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
4276.5	2.5°	4244.7	4213.0	4184.3	4155.8	4130.7	4105.7	4080.5	4055.5	4036.1	4016.5
4238.7	5°	4178.7	4118.5	4068.1	4017.8	3973.4	3928.9	3888.6	3848.2	3817.2	3786.0
4225.1	7.5°	4145.2	4065.4	3999.1	3932.7	3876.9	3820.8	3771.4	3722.1	3685.2	3648.3
4231.7	10°	4147.5	4063.3	3996.9	3930.6	3870.4	3810.0	3754.5	3698.9	3654.8	3610.5
4240.0	12.5°	4171.0	4102.4	4058.3	4014.5	3967.1	3920.0	3862.4	3805.0	3748.7	3692.3
4204.7	15°	4171.7	4138.9	4144.8	4150.8	4138.5	4126.3	4076.4	4026.4	3946.2	3865.9
4096.9	17.5°	4109.0	4121.0	4193.3	4265.6	4304.0	4342.3	4302.1	4261.9	4155.6	4049.3
3921.1	20°	3977.5	4033.9	4159.4	4285.1	4365.6	4446.0	4427.4	4408.7	4287.1	4165.7
3721.6	22.5°	3805.0	3888.5	4031.7	4175.4	4280.0	4384.6	4395.9	4407.0	4290.9	4174.9
3528.1	25°	3624.3	3720.5	3849.3	3978.3	4081.3	4184.3	4222.8	4261.1	4165.9	4070.9
3359.0	27.5°	3451.8	3544.7	3650.7	3756.5	3839.0	3921.6	3964.4	4007.4	3939.5	3871.9
3210.2	30°	3283.8	3357.8	3445.7	3533.6	3602.1	3670.7	3705.5	3740.4	3688.8	3637.1
3079.9	32.5°	3123.5	3167.1	3237.2	3307.5	3373.2	3439.1	3477.7	3516.5	3469.1	3421.5
2956.8	35°	2968.8	2980.9	3034.4	3087.8	3152.8	3218.0	3264.4	3310.9	3277.0	3243.4
2827.8	37.5°	2814.5	2801.3	2839.7	2878.0	2942.9	3007.9	3065.3	3122.6	3107.1	3091.5
2686.5	40°	2656.5	2626.5	2654.2	2681.9	2744.5	2807.2	2873.2	2939.4	2943.2	2946.9
2536.4	42.5°	2496.6	2456.8	2479.4	2502.1	2561.5	2621.0	2692.3	2763.6	2782.7	2801.8
2387.2	45°	2348.4	2309.7	2328.6	2347.9	2404.3	2460.6	2534.6	2608.6	2635.9	2663.3
2254.0	47.5°	2221.5	2189.0	2206.9	2224.7	2279.9	2334.9	2407.9	2480.9	2512.4	2543.9
2136.8	50°	2107.9	2079.2	2107.1	2135.1	2187.2	2239.1	2304.4	2369.8	2410.2	2450.7
2049.4	52.5°	2020.8	1992.5	2034.4	2076.2	2124.0	2171.6	2232.5	2293.5	2341.4	2389.3
2002.9	55°	1957.8	1912.9	1972.4	2031.8	2083.2	2134.6	2188.0	2241.2	2292.0	2342.9
1975.1	57.5°	1909.4	1843.7	1907.7	1971.8	2032.1	2092.5	2145.2	2198.1	2249.4	2300.4
1948.9	60°	1863.8	1778.6	1834.8	1890.8	1960.2	2029.5	2083.0	2136.8	2188.2	2239.6
1918.4	62.5°	1811.9	1705.6	1741.3	1776.9	1857.7	1938.6	1995.8	2053.0	2100.1	2147.2
1854.0	65°	1740.9	1627.7	1641.4	1655.0	1741.6	1828.3	1883.0	1937.8	1979.2	2020.7
1739.3	67.5°	1645.1	1550.9	1546.6	1542.3	1622.2	1702.3	1754.2	1805.9	1841.7	1877.6
1593.7	70°	1526.7	1459.7	1444.7	1429.8	1500.1	1570.4	1615.2	1660.0	1692.3	1724.7
1431.5	72.5°	1385.5	1339.6	1317.7	1296.0	1351.4	1406.6	1447.1	1487.5	1519.2	1550.9
1247.4	75°	1212.1	1176.6	1155.7	1134.6	1175.8	1216.9	1253.5	1290.2	1319.0	1347.9
1063.0	77.5°	1034.6	1006.3	985.1	963.8	997.3	1030.7	1062.2	1093.7	1124.0	1154.2
852.7	80°	829.0	805.1	787.4	769.5	797.3	825.0	851.6	878.1	901.1	924.0
627.2	82.5°	615.6	604.0	591.4	578.8	576.4	574.1	564.8	555.5	604.6	653.7
412.9	85°	400.5	388.1	374.0	359.9	347.9	335.8	310.1	284.4	330.3	376.4
182.4	87.5°	177.4	172.5	169.8	167.2	166.7	166.2	146.6	126.9	146.1	165.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
4000.7	2.5°	3985.0	3972.7	3960.4	3949.2	3937.7	3923.6	3937.7	3949.2	3960.4	3972.7
3764.3	5°	3742.5	3727.1	3711.7	3699.9	3688.1	3676.5	3688.1	3699.9	3711.7	3727.1
3622.5	7.5°	3596.6	3578.9	3561.3	3550.7	3540.2	3532.3	3540.2	3550.7	3561.3	3578.9
3581.7	10°	3552.5	3535.7	3519.0	3510.0	3501.1	3497.4	3501.1	3510.0	3519.0	3535.7
3655.0	12.5°	3617.7	3598.9	3580.3	3572.7	3565.1	3563.8	3565.1	3572.7	3580.3	3598.9
3809.2	15°	3752.5	3726.4	3700.6	3690.6	3680.7	3679.8	3680.7	3690.6	3700.6	3726.4
3965.7	17.5°	3882.2	3843.7	3805.0	3792.4	3779.7	3777.7	3779.7	3792.4	3805.0	3843.7
4063.3	20°	3960.9	3911.7	3862.3	3846.5	3830.8	3825.8	3830.8	3846.5	3862.3	3911.7
4069.4	22.5°	3963.8	3911.8	3859.8	3842.4	3824.9	3817.5	3824.9	3842.4	3859.8	3911.8
3977.0	25°	3883.5	3838.4	3793.4	3777.0	3760.8	3751.2	3760.8	3777.0	3793.4	3838.4
3799.1	27.5°	3726.3	3696.1	3665.7	3658.3	3650.8	3648.3	3650.8	3658.3	3665.7	3696.1
3585.0	30°	3532.6	3517.2	3501.6	3501.6	3501.6	3504.1	3501.6	3501.6	3501.6	3517.2
3379.9	32.5°	3338.2	3328.1	3318.0	3319.3	3320.8	3323.3	3320.8	3319.3	3318.0	3328.1
3204.9	35°	3166.6	3151.2	3135.9	3132.6	3129.3	3127.6	3129.3	3132.6	3135.9	3151.2
3056.1	37.5°	3020.7	2992.6	2964.8	2950.0	2935.3	2927.0	2935.3	2950.0	2964.8	2992.6
2916.8	40°	2886.8	2846.0	2805.6	2778.0	2750.8	2734.6	2750.8	2778.0	2805.6	2846.0
2776.4	42.5°	2751.2	2700.6	2650.0	2610.1	2570.1	2543.9	2570.1	2610.1	2650.0	2700.6
2640.4	45°	2617.7	2559.8	2502.1	2455.2	2408.2	2378.1	2408.2	2455.2	2502.1	2559.8
2528.0	47.5°	2512.0	2460.6	2409.2	2365.8	2322.5	2293.5	2322.5	2365.8	2409.2	2460.6
2449.7	50°	2449.0	2407.9	2366.8	2326.6	2286.5	2258.7	2286.5	2326.6	2366.8	2407.9
2398.0	52.5°	2406.6	2373.1	2339.6	2303.6	2267.8	2242.1	2267.8	2303.6	2339.6	2373.1
2354.8	55°	2366.8	2337.6	2308.4	2276.9	2245.4	2222.2	2245.4	2276.9	2308.4	2337.6
2312.5	57.5°	2324.7	2295.1	2265.6	2234.4	2203.1	2179.1	2203.1	2234.4	2265.6	2295.1
2252.8	60°	2266.1	2237.3	2208.6	2176.4	2144.2	2119.4	2144.2	2176.4	2208.6	2237.3
2160.0	62.5°	2172.8	2146.7	2120.7	2086.8	2053.0	2023.2	2053.0	2086.8	2120.7	2146.7
2033.8	65°	2046.7	2021.7	1996.6	1963.8	1931.1	1905.4	1931.1	1963.8	1996.6	2021.7
1890.3	67.5°	1902.9	1879.9	1857.0	1826.5	1796.0	1772.8	1796.0	1826.5	1857.0	1879.9
1736.9	70°	1749.2	1730.5	1711.7	1682.5	1653.4	1626.8	1653.4	1682.5	1711.7	1730.5
1565.5	72.5°	1580.1	1564.5	1548.9	1521.0	1493.3	1467.6	1493.3	1521.0	1548.9	1564.5
1363.2	75°	1378.4	1370.8	1363.2	1339.8	1316.4	1291.8	1316.4	1339.8	1363.2	1370.8
1168.5	77.5°	1182.7	1172.1	1161.2	1137.6	1114.1	1094.5	1114.1	1137.6	1161.2	1172.1
942.9	80°	961.8	957.2	952.7	921.0	889.2	852.4	889.2	921.0	952.7	957.2
685.9	82.5°	718.1	716.1	713.9	687.2	660.3	636.8	660.3	687.2	713.9	716.1
416.2	85°	456.0	452.7	449.4	428.5	407.6	386.4	407.6	428.5	449.4	452.7
181.6	87.5°	197.7	193.7	189.4	178.8	167.8	157.5	167.8	178.8	189.4	193.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
3985.0	2.5°	4000.7	4016.5	4036.1	4055.5	4080.5	4105.7	4130.7	4155.8	4184.3	4213.0
3742.5	5°	3764.3	3786.0	3817.2	3848.2	3888.6	3928.9	3973.4	4017.8	4068.1	4118.5
3596.6	7.5°	3622.5	3648.3	3685.2	3722.1	3771.4	3820.8	3876.9	3932.7	3999.1	4065.4
3552.5	10°	3581.7	3610.5	3654.8	3698.9	3754.5	3810.0	3870.4	3930.6	3996.9	4063.3
3617.7	12.5°	3655.0	3692.3	3748.7	3805.0	3862.4	3920.0	3967.1	4014.5	4058.3	4102.4
3752.5	15°	3809.2	3865.9	3946.2	4026.4	4076.4	4126.3	4138.5	4150.8	4144.8	4138.9
3882.2	17.5°	3965.7	4049.3	4155.6	4261.9	4302.1	4342.3	4304.0	4265.6	4193.3	4121.0
3960.9	20°	4063.3	4165.7	4287.1	4408.7	4427.4	4446.0	4365.6	4285.1	4159.4	4033.9
3963.8	22.5°	4069.4	4174.9	4290.9	4407.0	4395.9	4384.6	4280.0	4175.4	4031.7	3888.5
3883.5	25°	3977.0	4070.9	4165.9	4261.1	4222.8	4184.3	4081.3	3978.3	3849.3	3720.5
3726.3	27.5°	3799.1	3871.9	3939.5	4007.4	3964.4	3921.6	3839.0	3756.5	3650.7	3544.7
3532.6	30°	3585.0	3637.1	3688.8	3740.4	3705.5	3670.7	3602.1	3533.6	3445.7	3357.8
3338.2	32.5°	3379.9	3421.5	3469.1	3516.5	3477.7	3439.1	3373.2	3307.5	3237.2	3167.1
3166.6	35°	3204.9	3243.4	3277.0	3310.9	3264.4	3218.0	3152.8	3087.8	3034.4	2980.9
3020.7	37.5°	3056.1	3091.5	3107.1	3122.6	3065.3	3007.9	2942.9	2878.0	2839.7	2801.3
2886.8	40°	2916.8	2946.9	2943.2	2939.4	2873.2	2807.2	2744.5	2681.9	2654.2	2626.5
2751.2	42.5°	2776.4	2801.8	2782.7	2763.6	2692.3	2621.0	2561.5	2502.1	2479.4	2456.8
2617.7	45°	2640.4	2663.3	2635.9	2608.6	2534.6	2460.6	2404.3	2347.9	2328.6	2309.7
2512.0	47.5°	2528.0	2543.9	2512.4	2480.9	2407.9	2334.9	2279.9	2224.7	2206.9	2189.0
2449.0	50°	2449.7	2450.7	2410.2	2369.8	2304.4	2239.1	2187.2	2135.1	2107.1	2079.2
2406.6	52.5°	2398.0	2389.3	2341.4	2293.5	2232.5	2171.6	2124.0	2076.2	2034.4	1992.5
2366.8	55°	2354.8	2342.9	2292.0	2241.2	2188.0	2134.6	2083.2	2031.8	1972.4	1912.9
2324.7	57.5°	2312.5	2300.4	2249.4	2198.1	2145.2	2092.5	2032.1	1971.8	1907.7	1843.7
2266.1	60°	2252.8	2239.6	2188.2	2136.8	2083.0	2029.5	1960.2	1890.8	1834.8	1778.6
2172.8	62.5°	2160.0	2147.2	2100.1	2053.0	1995.8	1938.6	1857.7	1776.9	1741.3	1705.6
2046.7	65°	2033.8	2020.7	1979.2	1937.8	1883.0	1828.3	1741.6	1655.0	1641.4	1627.7
1902.9	67.5°	1890.3	1877.6	1841.7	1805.9	1754.2	1702.3	1622.2	1542.3	1546.6	1550.9
1749.2	70°	1736.9	1724.7	1692.3	1660.0	1615.2	1570.4	1500.1	1429.8	1444.7	1459.7
1580.1	72.5°	1565.5	1550.9	1519.2	1487.5	1447.1	1406.6	1351.4	1296.0	1317.7	1339.6
1378.4	75°	1363.2	1347.9	1319.0	1290.2	1253.5	1216.9	1175.8	1134.6	1155.7	1176.6
1182.7	77.5°	1168.5	1154.2	1124.0	1093.7	1062.2	1030.7	997.3	963.8	985.1	1006.3
961.8	80°	942.9	924.0	901.1	878.1	851.6	825.0	797.3	769.5	787.4	805.1
718.1	82.5°	685.9	653.7	604.6	555.5	564.8	574.1	576.4	578.8	591.4	604.0
456.0	85°	416.2	376.4	330.3	284.4	310.1	335.8	347.9	359.9	374.0	388.1
197.7	87.5°	181.6	165.5	146.1	126.9	146.6	166.2	166.7	167.2	169.8	172.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
4244.7	2.5°	4276.5	4315.8	4351.1	4387.6	4424.1	4462.2	4500.4	4538.2	4576.2	4611.8
4178.7	5°	4238.7	4307.5	4377.2	4451.0	4524.8	4603.7	4682.8	4761.2	4839.9	4918.6
4145.2	7.5°	4225.1	4314.2	4409.2	4512.2	4615.1	4732.1	4849.0	4969.0	5089.1	5218.9
4147.5	10°	4231.7	4327.4	4444.7	4566.7	4688.4	4830.6	4972.5	5131.1	5289.8	5454.1
4171.0	12.5°	4240.0	4329.1	4452.3	4590.1	4727.9	4895.4	5062.9	5242.7	5422.4	5602.9
4171.7	15°	4204.7	4276.0	4412.5	4572.0	4731.6	4924.4	5117.3	5312.3	5507.3	5695.6
4109.0	17.5°	4096.9	4140.9	4301.4	4493.3	4685.1	4909.0	5132.9	5345.6	5558.4	5749.3
3977.5	20°	3921.1	3932.7	4119.6	4357.4	4595.2	4866.5	5137.9	5371.7	5605.5	5804.0
3805.0	22.5°	3721.6	3698.9	3911.7	4198.1	4484.5	4814.5	5144.5	5406.8	5669.0	5871.8
3624.3	25°	3528.1	3466.7	3684.8	4020.1	4355.6	4763.1	5170.7	5470.5	5770.2	5968.7
3451.8	27.5°	3359.0	3284.3	3482.8	3857.5	4232.1	4728.7	5225.4	5570.0	5914.5	6104.0
3283.8	30°	3210.2	3151.7	3318.3	3721.5	4124.6	4712.7	5300.4	5698.9	6097.4	6280.3
3123.5	32.5°	3079.9	3053.8	3188.1	3604.2	4020.1	4692.8	5365.0	5833.4	6301.7	6482.8
2968.8	35°	2956.8	2967.6	3079.5	3489.0	3898.4	4655.3	5412.5	5986.6	6560.7	6734.3
2814.5	37.5°	2827.8	2867.3	2965.1	3353.3	3741.5	4591.1	5440.7	6158.2	6875.8	7097.0
2656.5	40°	2686.5	2747.0	2835.8	3191.5	3547.2	4502.7	5458.4	6376.1	7293.7	7616.1
2496.6	42.5°	2536.4	2612.7	2694.5	3012.9	3331.3	4411.5	5492.1	6661.2	7830.3	8295.7
2348.4	45°	2387.2	2461.0	2543.9	2823.1	3102.4	4326.8	5551.3	7036.3	8521.4	9149.0
2221.5	47.5°	2254.0	2317.5	2424.5	2673.1	2921.7	4256.8	5591.9	7436.0	9280.0	10163.6
2107.9	50°	2136.8	2210.6	2351.2	2573.4	2795.6	4180.5	5565.4	7806.8	10048.2	11380.2
2020.8	52.5°	2049.4	2152.5	2314.2	2507.7	2701.4	4051.6	5402.0	8047.6	10692.9	12658.1
1957.8	55°	2002.9	2158.3	2308.7	2460.1	2611.5	3838.1	5064.6	7994.5	10924.3	13791.0
1909.4	57.5°	1975.1	2164.1	2296.8	2403.8	2510.7	3536.9	4562.9	7621.0	10679.3	14594.0
1863.8	60°	1948.9	2145.9	2233.4	2317.5	2401.6	3145.9	3890.1	6926.0	9961.9	14794.7
1811.9	62.5°	1918.4	2101.1	2111.9	2167.6	2223.5	2677.9	3132.3	5986.3	8840.3	13949.7
1740.9	65°	1854.0	1993.3	1992.0	2018.4	2044.7	2256.8	2468.9	5027.4	7586.1	12754.3
1645.1	67.5°	1739.3	1817.5	1821.2	1806.6	1791.8	1852.2	1912.4	4088.1	6263.9	11331.6
1526.7	70°	1593.7	1619.4	1619.4	1551.2	1482.9	1465.8	1448.6	3218.8	4989.1	9779.2
1385.5	72.5°	1431.5	1431.1	1414.9	1318.2	1221.4	1169.3	1117.4	2460.8	3804.2	8096.3
1212.1	75°	1247.4	1253.7	1178.7	1070.3	961.8	914.7	867.6	1786.0	2704.4	6167.2
1034.6	77.5°	1063.0	1066.3	942.8	837.5	732.2	700.0	668.0	1210.3	1752.5	4316.5
829.0	80°	852.7	853.2	705.6	616.6	527.4	514.1	500.8	779.7	1058.8	2781.0
615.6	82.5°	627.2	620.2	494.2	428.5	362.8	360.2	357.9	479.6	601.6	1609.6
400.5	85°	412.9	403.8	310.1	262.0	213.9	215.3	216.4	256.4	296.5	724.0
177.4	87.5°	182.4	170.8	131.8	112.1	92.5	93.7	94.9	106.3	117.7	237.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
4647.5	2.5°	4665.1	4682.8	4707.8	4732.9	4747.8	4762.7	4770.2	4777.7	4774.3	4777.7
4997.4	5°	5058.9	5120.6	5181.6	5242.8	5276.0	5309.2	5329.2	5349.5	5364.7	5349.5
5349.0	7.5°	5449.1	5549.1	5639.2	5729.2	5783.4	5837.7	5867.0	5896.2	5910.3	5896.2
5618.4	10°	5736.8	5855.2	5960.9	6066.5	6130.5	6194.2	6222.7	6251.1	6261.9	6251.1
5783.4	12.5°	5911.8	6040.0	6135.5	6230.7	6277.1	6323.6	6339.2	6354.7	6356.4	6354.7
5883.8	15°	5994.5	6105.2	6165.0	6225.1	6226.7	6228.4	6211.8	6195.2	6175.6	6195.2
5940.2	17.5°	6014.9	6089.7	6090.9	6091.9	6024.7	5957.6	5896.0	5834.4	5790.9	5834.4
6002.3	20°	6028.4	6054.6	5975.8	5897.0	5748.8	5600.5	5492.6	5384.6	5318.3	5384.6
6074.5	22.5°	6040.3	6006.2	5843.0	5679.8	5461.7	5243.7	5108.7	4973.7	4900.4	4973.7
6167.3	25°	6059.6	5951.8	5704.0	5456.3	5191.4	4926.6	4784.6	4643.0	4573.7	4643.0
6293.4	27.5°	6100.7	5907.8	5579.6	5251.6	4958.1	4664.6	4524.9	4385.5	4320.0	4385.5
6463.4	30°	6176.0	5888.7	5484.8	5080.8	4775.0	4469.2	4339.7	4210.2	4149.2	4210.2
6664.0	32.5°	6270.5	5877.1	5420.1	4963.1	4675.7	4388.3	4286.6	4184.8	4140.9	4184.8
6907.8	35°	6426.2	5944.8	5468.5	4992.4	4792.8	4593.3	4569.5	4545.8	4542.2	4545.8
7318.2	37.5°	6751.7	6185.3	5752.4	5319.6	5306.7	5293.7	5402.2	5510.6	5567.0	5510.6
7938.4	40°	7322.4	6706.3	6384.4	6062.5	6289.7	6516.9	6780.6	7044.3	7175.6	7044.3
8761.0	42.5°	8149.7	7538.5	7353.1	7167.7	7663.2	8158.7	8638.3	9117.9	9399.4	9117.9
9776.7	45°	9227.6	8678.4	8596.6	8514.7	9308.6	10102.6	10890.6	11678.8	12157.3	11678.8
11047.0	47.5°	10512.8	9978.5	9961.9	9945.4	11090.6	12235.5	13389.2	14542.8	15220.2	14542.8
12712.0	50°	12052.1	11392.4	11395.2	11398.1	12874.0	14349.9	15872.8	17395.6	18316.3	17395.6
14623.2	52.5°	13824.2	13025.4	12944.6	12863.7	14626.7	16389.7	18273.9	20157.9	21261.5	20157.9
16658.0	55°	15868.6	15079.2	14764.3	14449.4	16411.5	18373.5	20619.7	22866.0	24178.5	22866.0
18508.7	57.5°	18078.8	17648.8	17017.2	16385.7	18366.9	20348.1	22892.3	25436.4	27064.0	25436.4
19627.2	60°	20294.9	20962.7	20178.3	19393.9	21268.8	23143.7	25867.7	28591.7	30350.8	28591.7
19059.2	62.5°	20883.6	22707.9	22619.5	22531.0	24248.5	25966.2	28557.9	31149.3	32775.3	31149.3
17922.5	65°	19634.7	21346.9	21685.7	22024.3	24207.0	26389.9	28903.0	31415.8	32800.2	31415.8
16399.3	67.5°	18027.8	19656.2	19815.1	19973.8	22248.1	24522.1	27045.9	29569.8	30654.3	29569.8
14569.3	70°	16340.6	18112.0	18183.0	18254.1	20287.9	22321.5	24493.4	26665.2	27268.0	26665.2
12388.6	72.5°	14421.2	16454.0	16505.1	16556.0	18147.2	19738.3	21365.0	22991.5	23052.5	22991.5
9630.0	75°	11733.7	13837.5	14026.4	14215.2	15453.2	16691.1	17836.2	18981.3	18674.5	18981.3
6880.4	77.5°	8844.2	10808.2	11078.5	11348.8	12289.9	13231.0	14043.1	14855.4	14328.0	14855.4
4503.2	80°	6155.4	7807.4	8143.4	8479.4	9190.2	9900.6	10327.1	10753.5	9905.2	10753.5
2617.7	82.5°	3747.2	4876.8	5252.1	5627.6	6116.8	6606.0	6783.9	6961.7	6295.0	6961.7
1151.7	85°	1751.2	2350.7	2669.9	2989.1	3391.1	3792.9	3893.9	3994.9	3460.9	3994.9
356.5	87.5°	558.0	759.5	937.6	1115.7	1316.7	1517.7	1526.3	1534.8	1288.5	1534.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
4321.6	0°	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6	4321.6
4770.2	2.5°	4762.7	4747.8	4732.9	4707.8	4682.8	4665.1	4647.5
5329.2	5°	5309.2	5276.0	5242.8	5181.6	5120.6	5058.9	4997.4
5867.0	7.5°	5837.7	5783.4	5729.2	5639.2	5549.1	5449.1	5349.0
6222.7	10°	6194.2	6130.5	6066.5	5960.9	5855.2	5736.8	5618.4
6339.2	12.5°	6323.6	6277.1	6230.7	6135.5	6040.0	5911.8	5783.4
6211.8	15°	6228.4	6226.7	6225.1	6165.0	6105.2	5994.5	5883.8
5896.0	17.5°	5957.6	6024.7	6091.9	6090.9	6089.7	6014.9	5940.2
5492.6	20°	5600.5	5748.8	5897.0	5975.8	6054.6	6028.4	6002.3
5108.7	22.5°	5243.7	5461.7	5679.8	5843.0	6006.2	6040.3	6074.5
4784.6	25°	4926.6	5191.4	5456.3	5704.0	5951.8	6059.6	6167.3
4524.9	27.5°	4664.6	4958.1	5251.6	5579.6	5907.8	6100.7	6293.4
4339.7	30°	4469.2	4775.0	5080.8	5484.8	5888.7	6176.0	6463.4
4286.6	32.5°	4388.3	4675.7	4963.1	5420.1	5877.1	6270.5	6664.0
4569.5	35°	4593.3	4792.8	4992.4	5468.5	5944.8	6426.2	6907.8
5402.2	37.5°	5293.7	5306.7	5319.6	5752.4	6185.3	6751.7	7318.2
6780.6	40°	6516.9	6289.7	6062.5	6384.4	6706.3	7322.4	7938.4
8638.3	42.5°	8158.7	7663.2	7167.7	7353.1	7538.5	8149.7	8761.0
10890.6	45°	10102.6	9308.6	8514.7	8596.6	8678.4	9227.6	9776.7
13389.2	47.5°	12235.5	11090.6	9945.4	9961.9	9978.5	10512.8	11047.0
15872.8	50°	14349.9	12874.0	11398.1	11395.2	11392.4	12052.1	12712.0
18273.9	52.5°	16389.7	14626.7	12863.7	12944.6	13025.4	13824.2	14623.2
20619.7	55°	18373.5	16411.5	14449.4	14764.3	15079.2	15868.6	16658.0
22892.3	57.5°	20348.1	18366.9	16385.7	17017.2	17648.8	18078.8	18508.7
25867.7	60°	23143.7	21268.8	19393.9	20178.3	20962.7	20294.9	19627.2
28557.9	62.5°	25966.2	24248.5	22531.0	22619.5	22707.9	20883.6	19059.2
28903.0	65°	26389.9	24207.0	22024.3	21685.7	21346.9	19634.7	17922.5
27045.9	67.5°	24522.1	22248.1	19973.8	19815.1	19656.2	18027.8	16399.3
24493.4	70°	22321.5	20287.9	18254.1	18183.0	18112.0	16340.6	14569.3
21365.0	72.5°	19738.3	18147.2	16556.0	16505.1	16454.0	14421.2	12388.6
17836.2	75°	16691.1	15453.2	14215.2	14026.4	13837.5	11733.7	9630.0
14043.1	77.5°	13231.0	12289.9	11348.8	11078.5	10808.2	8844.2	6880.4
10327.1	80°	9900.6	9190.2	8479.4	8143.4	7807.4	6155.4	4503.2
6783.9	82.5°	6606.0	6116.8	5627.6	5252.1	4876.8	3747.2	2617.7
3893.9	85°	3792.9	3391.1	2989.1	2669.9	2350.7	1751.2	1151.7
1526.3	87.5°	1517.7	1316.7	1115.7	937.6	759.5	558.0	356.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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