

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: P948979

Luminaire Tested: **GALN-SB3D-840-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948979  
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-SB3D-840-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

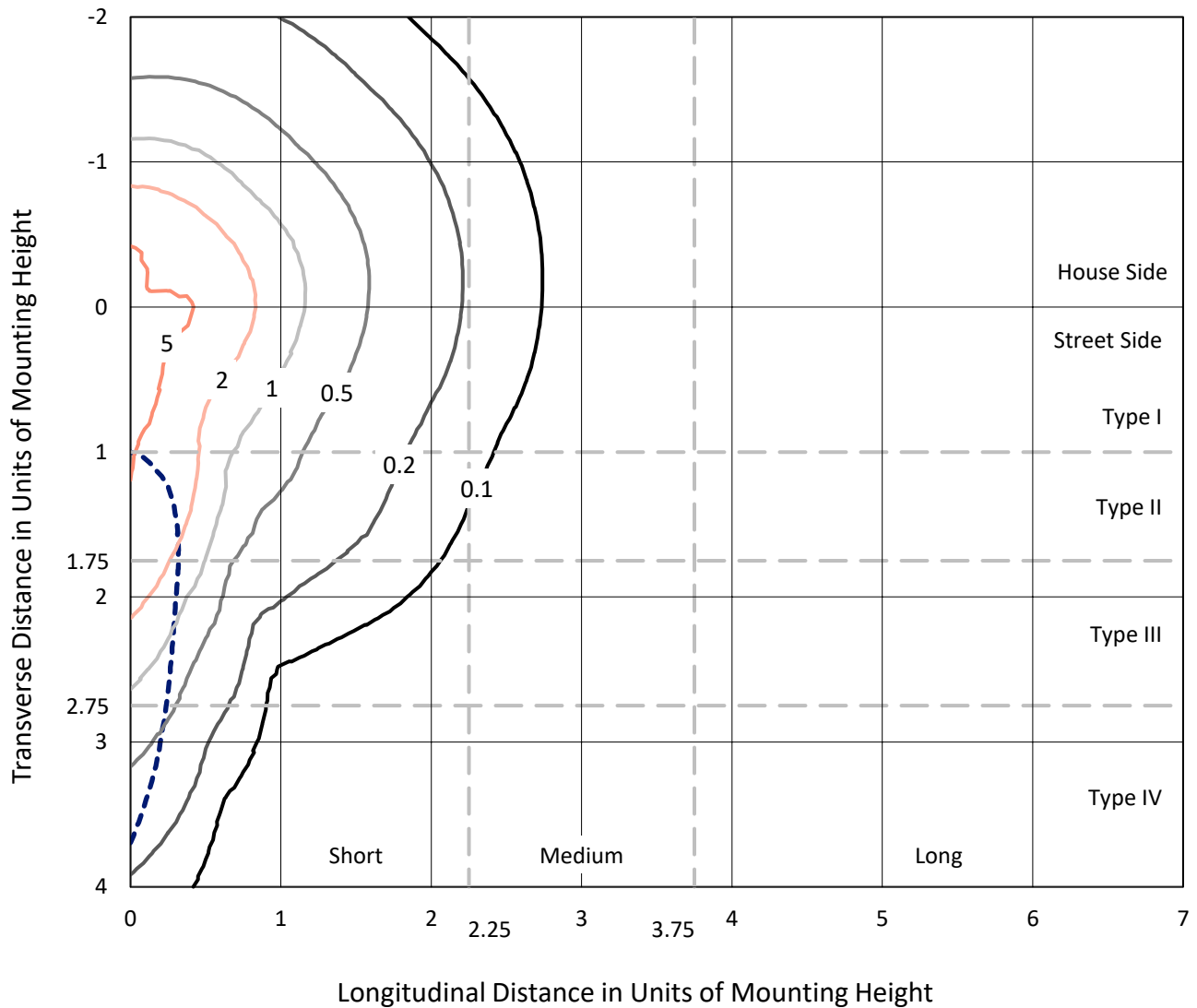
Lumens per Lamp: N/A  
Luminaire Lumens: 29100 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

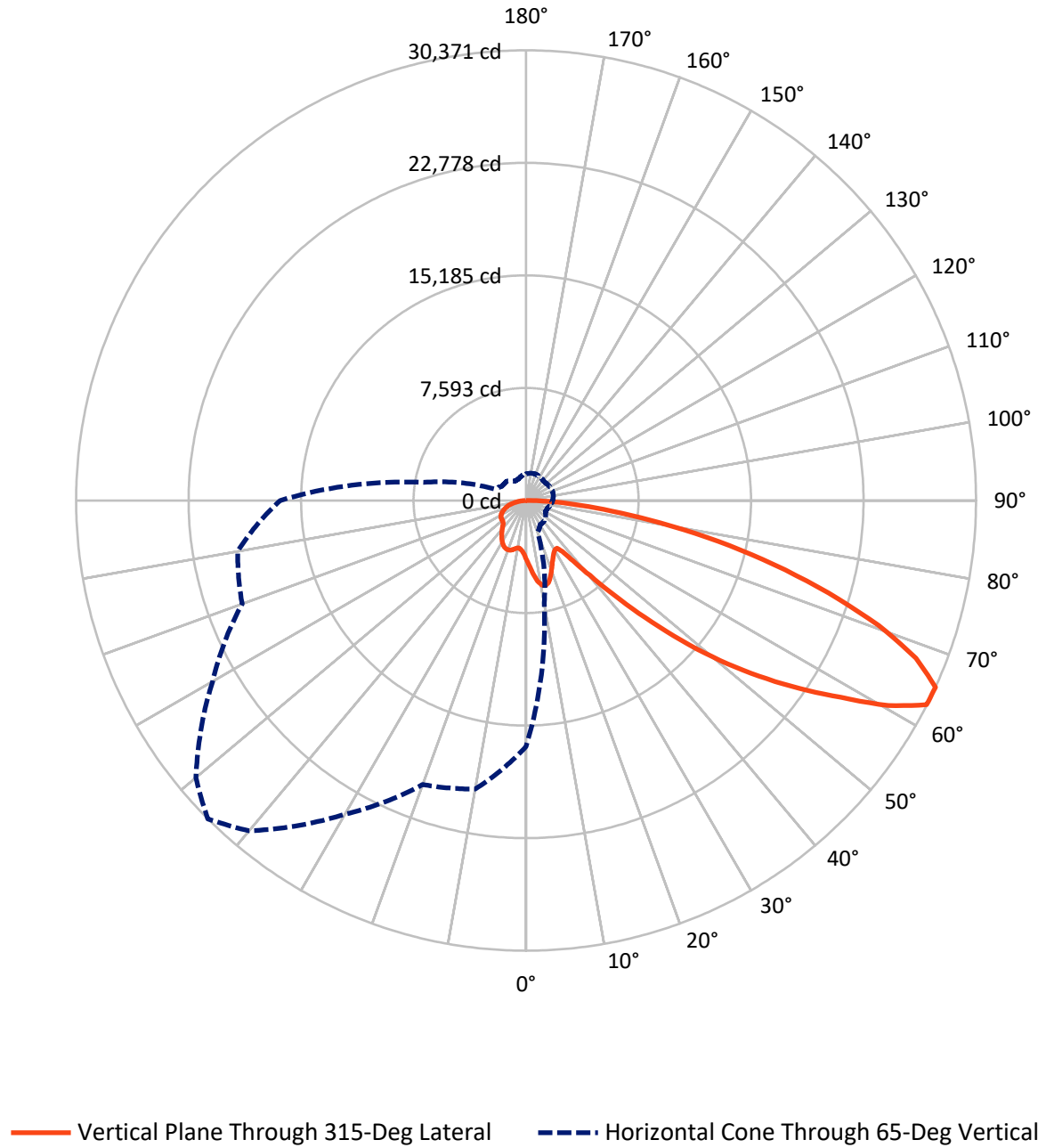
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7395.8	0.0	7395.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	21704.2	0.0	21704.2
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	29100.0	0.0	29100.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.9	1.4
10°-20°	1246.1	4.3
20°-30°	1924.8	6.6
30°-40°	2439.2	8.4
40°-50°	3678.9	12.6
50°-60°	5943.8	20.4
60°-70°	7409.9	25.5
70°-80°	4859.1	16.7
80°-90°	1201.3	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°	29100.0	100.0
0°-180°	29100.0	100.0



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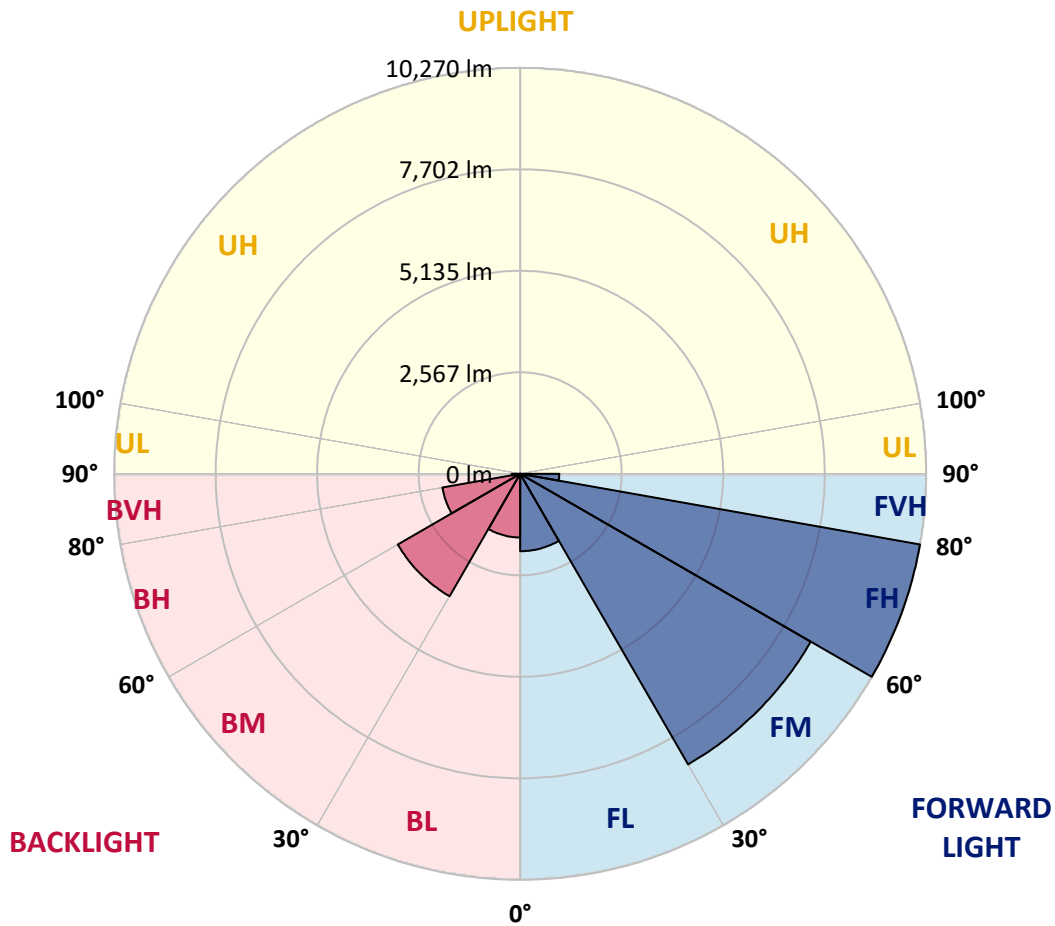
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1957.3	6.7			
FM (30°-60°)	8487.8	29.2			
FH (60°-80°)	10269.5	35.3			G4/12000
FVH (80°-90°)	989.6	3.4			G5
BL (0°-30°)	1610.5	5.5	B3/2500		
BM (30°-60°)	3574.1	12.3	B3/5000		
BH (60°-80°)	1999.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	211.7	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
2.5°	4303.2	4270.2	4237.2	4202.0	4167.0	4131.7	4096.4	4062.6	4028.8	3996.1
5°	4627.2	4554.3	4481.3	4408.6	4335.9	4262.7	4189.6	4121.3	4052.9	3988.4
7.5°	4952.7	4832.4	4712.1	4601.0	4489.8	4381.5	4273.3	4177.9	4082.6	3994.6
10°	5202.3	5050.1	4897.9	4751.0	4604.2	4472.7	4341.2	4228.4	4115.4	4006.9
12.5°	5355.0	5187.8	5020.8	4854.3	4687.9	4532.8	4377.7	4250.1	4122.5	4008.4
15°	5447.9	5273.7	5099.4	4918.8	4738.2	4559.7	4381.1	4233.4	4085.6	3959.3
17.5°	5500.1	5323.4	5146.7	4949.7	4752.7	4545.4	4338.1	4160.4	3982.8	3834.1
20°	5557.7	5374.1	5190.3	4973.8	4757.3	4506.1	4254.9	4034.7	3814.5	3641.4
22.5°	5624.5	5436.9	5249.1	5006.3	4763.4	4457.8	4152.3	3887.1	3621.9	3424.9
25°	5710.5	5526.6	5342.8	5065.3	4787.7	4410.2	4033.0	3722.3	3411.9	3210.0
27.5°	5827.2	5651.9	5476.3	5157.4	4838.3	4378.5	3918.6	3571.7	3224.8	3041.0
30°	5984.6	5815.1	5645.7	5276.7	4907.7	4363.6	3819.1	3445.8	3072.5	2918.2
32.5°	6170.4	6002.6	5834.9	5401.3	4967.6	4345.1	3722.3	3337.2	2952.0	2827.6
35°	6396.1	6235.5	6074.7	5543.1	5011.5	4310.4	3609.6	3230.5	2851.4	2747.8
37.5°	6776.1	6571.3	6366.5	5702.1	5037.7	4251.0	3464.4	3104.9	2745.5	2654.9
40°	7350.4	7051.9	6753.4	5903.8	5054.1	4169.2	3284.4	2955.1	2625.7	2543.5
42.5°	8112.0	7681.2	7250.3	6167.8	5085.3	4084.7	3084.5	2789.7	2494.9	2419.2
45°	9052.5	8471.3	7890.1	6515.1	5140.1	4006.3	2872.6	2614.0	2355.4	2278.7
47.5°	10228.7	9410.7	8592.6	6885.2	5177.7	3941.5	2705.2	2475.1	2244.9	2145.9
50°	11770.3	10537.2	9303.9	7228.5	5153.1	3870.8	2588.5	2382.8	2177.0	2046.8
52.5°	13540.0	11720.4	9900.9	7451.5	5001.9	3751.5	2501.3	2322.0	2142.8	1993.1
55°	15424.0	12769.5	10115.1	7402.3	4689.4	3553.8	2418.1	2277.9	2137.7	1998.4
57.5°	17137.7	13513.0	9888.3	7056.5	4224.9	3274.9	2324.7	2225.7	2126.7	2003.8
60°	18173.4	13698.8	9224.0	6413.0	3602.0	2912.8	2223.7	2145.9	2068.0	1986.9
62.5°	17647.4	12916.4	8185.4	5542.8	2900.2	2479.5	2058.8	2007.0	1955.5	1945.5
65°	16594.9	11809.5	7024.1	4655.0	2286.0	2089.7	1893.3	1868.9	1844.4	1845.7
67.5°	15184.5	10492.2	5799.9	3785.3	1770.7	1715.0	1659.1	1672.8	1686.3	1682.9
70°	13490.1	9054.8	4619.5	2980.4	1341.3	1357.2	1373.0	1436.3	1499.4	1499.4
72.5°	11470.9	7496.6	3522.4	2278.5	1034.6	1082.7	1130.9	1220.6	1310.1	1325.1
75°	8916.6	5710.4	2504.1	1653.7	803.4	847.0	890.6	991.0	1091.4	1160.8
77.5°	6370.8	3996.7	1622.7	1120.6	618.5	648.1	677.9	775.4	872.9	987.3
80°	4169.6	2575.0	980.4	722.0	463.7	476.0	488.3	570.9	653.4	790.0
82.5°	2423.8	1490.4	557.1	444.1	331.4	333.5	336.0	396.8	457.6	574.3
85°	1066.4	670.4	274.5	237.4	200.4	199.3	198.1	242.6	287.1	373.9
87.5°	330.1	219.6	109.0	98.4	87.8	86.8	85.7	103.8	122.1	158.2
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°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
3959.7	2.5°	3930.3	3900.9	3874.4	3848.0	3824.8	3801.6	3778.2	3755.1	3737.1	3719.0
3924.7	5°	3869.1	3813.4	3766.7	3720.2	3679.0	3637.9	3600.6	3563.1	3534.4	3505.5
3912.1	7.5°	3838.1	3764.3	3702.8	3641.4	3589.7	3537.8	3492.0	3446.4	3412.2	3378.1
3918.3	10°	3840.3	3762.3	3700.9	3639.4	3583.7	3527.8	3476.4	3424.9	3384.1	3343.1
3926.0	12.5°	3862.1	3798.5	3757.7	3717.1	3673.2	3629.6	3576.3	3523.2	3471.0	3418.8
3893.2	15°	3862.7	3832.3	3837.8	3843.3	3832.0	3820.6	3774.4	3728.2	3653.9	3579.5
3793.4	17.5°	3804.7	3815.7	3882.7	3949.6	3985.2	4020.7	3983.4	3946.2	3847.8	3749.4
3630.7	20°	3682.9	3735.1	3851.3	3967.7	4042.2	4116.7	4099.5	4082.1	3969.6	3857.2
3446.0	22.5°	3523.2	3600.4	3733.1	3866.1	3963.0	4059.8	4070.3	4080.6	3973.1	3865.6
3266.8	25°	3355.8	3444.9	3564.2	3683.7	3779.0	3874.4	3910.0	3945.5	3857.3	3769.3
3110.1	27.5°	3196.1	3282.1	3380.2	3478.2	3554.7	3631.1	3670.8	3710.5	3647.7	3585.1
2972.4	30°	3040.6	3109.1	3190.5	3271.8	3335.2	3398.8	3431.1	3463.3	3415.6	3367.6
2851.7	32.5°	2892.1	2932.5	2997.4	3062.5	3123.4	3184.3	3220.1	3256.0	3212.1	3168.0
2737.8	35°	2748.8	2760.1	2809.6	2859.1	2919.3	2979.6	3022.6	3065.6	3034.3	3003.1
2618.3	37.5°	2606.0	2593.8	2629.4	2664.9	2724.9	2785.1	2838.2	2891.3	2876.9	2862.5
2487.5	40°	2459.7	2431.9	2457.6	2483.2	2541.2	2599.3	2660.4	2721.7	2725.2	2728.6
2348.5	42.5°	2311.7	2274.8	2295.7	2316.8	2371.7	2426.9	2492.9	2558.9	2576.6	2594.2
2210.3	45°	2174.4	2138.6	2156.1	2174.0	2226.2	2278.4	2346.9	2415.3	2440.7	2466.0
2087.0	47.5°	2056.9	2026.9	2043.4	2059.9	2111.0	2162.0	2229.5	2297.1	2326.3	2355.4
1978.5	50°	1951.8	1925.2	1951.0	1977.0	2025.2	2073.2	2133.7	2194.2	2231.7	2269.2
1897.6	52.5°	1871.2	1844.9	1883.7	1922.4	1966.7	2010.7	2067.1	2123.6	2168.0	2212.3
1854.6	55°	1812.8	1771.2	1826.3	1881.3	1928.9	1976.5	2025.9	2075.2	2122.2	2169.3
1828.8	57.5°	1768.0	1707.2	1766.4	1825.7	1881.6	1937.5	1986.3	2035.3	2082.7	2130.0
1804.5	60°	1725.7	1646.8	1698.9	1750.8	1815.0	1879.1	1928.7	1978.5	2026.1	2073.7
1776.3	62.5°	1677.7	1579.3	1612.3	1645.3	1720.1	1795.0	1848.0	1900.9	1944.6	1988.2
1716.7	65°	1612.0	1507.1	1519.8	1532.4	1612.6	1692.9	1743.6	1794.2	1832.6	1871.0
1610.4	67.5°	1523.2	1436.0	1432.0	1428.0	1502.0	1576.2	1624.2	1672.2	1705.3	1738.5
1475.6	70°	1413.6	1351.5	1337.7	1323.9	1389.0	1454.1	1495.6	1537.0	1567.0	1596.9
1325.4	72.5°	1282.9	1240.4	1220.1	1200.0	1251.3	1302.4	1339.9	1377.3	1406.7	1436.0
1155.0	75°	1122.3	1089.4	1070.1	1050.6	1088.7	1126.7	1160.7	1194.6	1221.3	1248.1
984.3	77.5°	958.0	931.7	912.1	892.4	923.4	954.3	983.5	1012.7	1040.8	1068.7
789.6	80°	767.6	745.5	729.1	712.5	738.3	763.9	788.5	813.0	834.4	855.6
580.7	82.5°	570.0	559.2	547.6	535.9	533.7	531.6	523.0	514.4	559.8	605.3
382.3	85°	370.8	359.3	346.3	333.2	322.1	310.9	287.1	263.3	305.9	348.6
168.9	87.5°	164.3	159.7	157.2	154.8	154.3	153.9	135.7	117.5	135.3	153.2
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°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
3704.4	2.5°	3689.8	3678.4	3667.1	3656.6	3646.0	3633.0	3646.0	3656.6	3667.1	3678.4
3485.4	5°	3465.3	3451.0	3436.7	3425.8	3414.9	3404.2	3414.9	3425.8	3436.7	3451.0
3354.1	7.5°	3330.2	3313.8	3297.5	3287.6	3278.0	3270.6	3278.0	3287.6	3297.5	3313.8
3316.4	10°	3289.3	3273.8	3258.3	3250.0	3241.7	3238.4	3241.7	3250.0	3258.3	3273.8
3384.2	12.5°	3349.7	3332.3	3315.1	3308.1	3301.0	3299.8	3301.0	3308.1	3315.1	3332.3
3527.0	15°	3474.5	3450.4	3426.5	3417.2	3408.0	3407.3	3408.0	3417.2	3426.5	3450.4
3672.0	17.5°	3594.6	3559.0	3523.2	3511.5	3499.7	3497.9	3499.7	3511.5	3523.2	3559.0
3762.3	20°	3667.5	3621.9	3576.2	3561.6	3547.0	3542.4	3547.0	3561.6	3576.2	3621.9
3768.0	22.5°	3670.1	3622.1	3573.9	3557.7	3541.6	3534.7	3541.6	3557.7	3573.9	3622.1
3682.4	25°	3595.8	3554.1	3512.4	3497.2	3482.2	3473.3	3482.2	3497.2	3512.4	3554.1
3517.7	27.5°	3450.3	3422.3	3394.2	3387.3	3380.4	3378.1	3380.4	3387.3	3394.2	3422.3
3319.4	30°	3270.9	3256.6	3242.2	3242.2	3242.2	3244.5	3242.2	3242.2	3242.2	3256.6
3129.5	32.5°	3091.0	3081.6	3072.2	3073.4	3074.8	3077.1	3074.8	3073.4	3072.2	3081.6
2967.5	35°	2932.0	2917.7	2903.6	2900.6	2897.5	2895.9	2897.5	2900.6	2903.6	2917.7
2829.8	37.5°	2796.9	2771.0	2745.2	2731.5	2717.8	2710.1	2717.8	2731.5	2745.2	2771.0
2700.8	40°	2673.0	2635.2	2597.8	2572.3	2547.1	2532.0	2547.1	2572.3	2597.8	2635.2
2570.7	42.5°	2547.4	2500.6	2453.7	2416.7	2379.7	2355.4	2379.7	2416.7	2453.7	2500.6
2444.8	45°	2423.8	2370.2	2316.8	2273.3	2229.8	2201.9	2229.8	2273.3	2316.8	2370.2
2340.7	47.5°	2326.0	2278.4	2230.8	2190.5	2150.5	2123.6	2150.5	2190.5	2230.8	2278.4
2268.2	50°	2267.6	2229.5	2191.5	2154.3	2117.1	2091.3	2117.1	2154.3	2191.5	2229.5
2220.3	52.5°	2228.3	2197.3	2166.3	2133.0	2099.8	2076.0	2099.8	2133.0	2166.3	2197.3
2180.4	55°	2191.5	2164.4	2137.4	2108.2	2079.1	2057.6	2079.1	2108.2	2137.4	2164.4
2141.2	57.5°	2152.5	2125.1	2097.8	2068.9	2039.9	2017.6	2039.9	2068.9	2097.8	2125.1
2086.0	60°	2098.3	2071.5	2045.0	2015.2	1985.4	1962.4	1985.4	2015.2	2045.0	2071.5
2000.0	62.5°	2011.8	1987.7	1963.6	1932.3	1900.9	1873.3	1900.9	1932.3	1963.6	1987.7
1883.1	65°	1895.1	1871.9	1848.7	1818.3	1788.1	1764.3	1788.1	1818.3	1848.7	1871.9
1750.3	67.5°	1762.0	1740.6	1719.4	1691.2	1662.9	1641.4	1662.9	1691.2	1719.4	1740.6
1608.3	70°	1619.6	1602.3	1584.9	1557.9	1530.9	1506.3	1530.9	1557.9	1584.9	1602.3
1449.5	72.5°	1463.0	1448.6	1434.2	1408.4	1382.7	1358.9	1382.7	1408.4	1434.2	1448.6
1262.2	75°	1276.3	1269.2	1262.2	1240.5	1218.9	1196.2	1218.9	1240.5	1262.2	1269.2
1081.9	77.5°	1095.1	1085.3	1075.2	1053.3	1031.5	1013.4	1031.5	1053.3	1075.2	1085.3
873.1	80°	890.6	886.3	882.1	852.8	823.3	789.2	823.3	852.8	882.1	886.3
635.1	82.5°	664.9	663.0	661.0	636.3	611.4	589.6	611.4	636.3	661.0	663.0
385.4	85°	422.3	419.2	416.1	396.8	377.4	357.8	377.4	396.8	416.1	419.2
168.1	87.5°	183.0	179.3	175.4	165.5	155.4	145.9	155.4	165.5	175.4	179.3
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
3689.8	2.5°	3704.4	3719.0	3737.1	3755.1	3778.2	3801.6	3824.8	3848.0	3874.4	3900.9
3465.3	5°	3485.4	3505.5	3534.4	3563.1	3600.6	3637.9	3679.0	3720.2	3766.7	3813.4
3330.2	7.5°	3354.1	3378.1	3412.2	3446.4	3492.0	3537.8	3589.7	3641.4	3702.8	3764.3
3289.3	10°	3316.4	3343.1	3384.1	3424.9	3476.4	3527.8	3583.7	3639.4	3700.9	3762.3
3349.7	12.5°	3384.2	3418.8	3471.0	3523.2	3576.3	3629.6	3673.2	3717.1	3757.7	3798.5
3474.5	15°	3527.0	3579.5	3653.9	3728.2	3774.4	3820.6	3832.0	3843.3	3837.8	3832.3
3594.6	17.5°	3672.0	3749.4	3847.8	3946.2	3983.4	4020.7	3985.2	3949.6	3882.7	3815.7
3667.5	20°	3762.3	3857.2	3969.6	4082.1	4099.5	4116.7	4042.2	3967.7	3851.3	3735.1
3670.1	22.5°	3768.0	3865.6	3973.1	4080.6	4070.3	4059.8	3963.0	3866.1	3733.1	3600.4
3595.8	25°	3682.4	3769.3	3857.3	3945.5	3910.0	3874.4	3779.0	3683.7	3564.2	3444.9
3450.3	27.5°	3517.7	3585.1	3647.7	3710.5	3670.8	3631.1	3554.7	3478.2	3380.2	3282.1
3270.9	30°	3319.4	3367.6	3415.6	3463.3	3431.1	3398.8	3335.2	3271.8	3190.5	3109.1
3091.0	32.5°	3129.5	3168.0	3212.1	3256.0	3220.1	3184.3	3123.4	3062.5	2997.4	2932.5
2932.0	35°	2967.5	3003.1	3034.3	3065.6	3022.6	2979.6	2919.3	2859.1	2809.6	2760.1
2796.9	37.5°	2829.8	2862.5	2876.9	2891.3	2838.2	2785.1	2724.9	2664.9	2629.4	2593.8
2673.0	40°	2700.8	2728.6	2725.2	2721.7	2660.4	2599.3	2541.2	2483.2	2457.6	2431.9
2547.4	42.5°	2570.7	2594.2	2576.6	2558.9	2492.9	2426.9	2371.7	2316.8	2295.7	2274.8
2423.8	45°	2444.8	2466.0	2440.7	2415.3	2346.9	2278.4	2226.2	2174.0	2156.1	2138.6
2326.0	47.5°	2340.7	2355.4	2326.3	2297.1	2229.5	2162.0	2111.0	2059.9	2043.4	2026.9
2267.6	50°	2268.2	2269.2	2231.7	2194.2	2133.7	2073.2	2025.2	1977.0	1951.0	1925.2
2228.3	52.5°	2220.3	2212.3	2168.0	2123.6	2067.1	2010.7	1966.7	1922.4	1883.7	1844.9
2191.5	55°	2180.4	2169.3	2122.2	2075.2	2025.9	1976.5	1928.9	1881.3	1826.3	1771.2
2152.5	57.5°	2141.2	2130.0	2082.7	2035.3	1986.3	1937.5	1881.6	1825.7	1766.4	1707.2
2098.3	60°	2086.0	2073.7	2026.1	1978.5	1928.7	1879.1	1815.0	1750.8	1698.9	1646.8
2011.8	62.5°	2000.0	1988.2	1944.6	1900.9	1848.0	1795.0	1720.1	1645.3	1612.3	1579.3
1895.1	65°	1883.1	1871.0	1832.6	1794.2	1743.6	1692.9	1612.6	1532.4	1519.8	1507.1
1762.0	67.5°	1750.3	1738.5	1705.3	1672.2	1624.2	1576.2	1502.0	1428.0	1432.0	1436.0
1619.6	70°	1608.3	1596.9	1567.0	1537.0	1495.6	1454.1	1389.0	1323.9	1337.7	1351.5
1463.0	72.5°	1449.5	1436.0	1406.7	1377.3	1339.9	1302.4	1251.3	1200.0	1220.1	1240.4
1276.3	75°	1262.2	1248.1	1221.3	1194.6	1160.7	1126.7	1088.7	1050.6	1070.1	1089.4
1095.1	77.5°	1081.9	1068.7	1040.8	1012.7	983.5	954.3	923.4	892.4	912.1	931.7
890.6	80°	873.1	855.6	834.4	813.0	788.5	763.9	738.3	712.5	729.1	745.5
664.9	82.5°	635.1	605.3	559.8	514.4	523.0	531.6	533.7	535.9	547.6	559.2
422.3	85°	385.4	348.6	305.9	263.3	287.1	310.9	322.1	333.2	346.3	359.3
183.0	87.5°	168.1	153.2	135.3	117.5	135.7	153.9	154.3	154.8	157.2	159.7
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
3930.3	2.5°	3959.7	3996.1	4028.8	4062.6	4096.4	4131.7	4167.0	4202.0	4237.2	4270.2
3869.1	5°	3924.7	3988.4	4052.9	4121.3	4189.6	4262.7	4335.9	4408.6	4481.3	4554.3
3838.1	7.5°	3912.1	3994.6	4082.6	4177.9	4273.3	4381.5	4489.8	4601.0	4712.1	4832.4
3840.3	10°	3918.3	4006.9	4115.4	4228.4	4341.2	4472.7	4604.2	4751.0	4897.9	5050.1
3862.1	12.5°	3926.0	4008.4	4122.5	4250.1	4377.7	4532.8	4687.9	4854.3	5020.8	5187.8
3862.7	15°	3893.2	3959.3	4085.6	4233.4	4381.1	4559.7	4738.2	4918.8	5099.4	5273.7
3804.7	17.5°	3793.4	3834.1	3982.8	4160.4	4338.1	4545.4	4752.7	4949.7	5146.7	5323.4
3682.9	20°	3630.7	3641.4	3814.5	4034.7	4254.9	4506.1	4757.3	4973.8	5190.3	5374.1
3523.2	22.5°	3446.0	3424.9	3621.9	3887.1	4152.3	4457.8	4763.4	5006.3	5249.1	5436.9
3355.8	25°	3266.8	3210.0	3411.9	3722.3	4033.0	4410.2	4787.7	5065.3	5342.8	5526.6
3196.1	27.5°	3110.1	3041.0	3224.8	3571.7	3918.6	4378.5	4838.3	5157.4	5476.3	5651.9
3040.6	30°	2972.4	2918.2	3072.5	3445.8	3819.1	4363.6	4907.7	5276.7	5645.7	5815.1
2892.1	32.5°	2851.7	2827.6	2952.0	3337.2	3722.3	4345.1	4967.6	5401.3	5834.9	6002.6
2748.8	35°	2737.8	2747.8	2851.4	3230.5	3609.6	4310.4	5011.5	5543.1	6074.7	6235.5
2606.0	37.5°	2618.3	2654.9	2745.5	3104.9	3464.4	4251.0	5037.7	5702.1	6366.5	6571.3
2459.7	40°	2487.5	2543.5	2625.7	2955.1	3284.4	4169.2	5054.1	5903.8	6753.4	7051.9
2311.7	42.5°	2348.5	2419.2	2494.9	2789.7	3084.5	4084.7	5085.3	6167.8	7250.3	7681.2
2174.4	45°	2210.3	2278.7	2355.4	2614.0	2872.6	4006.3	5140.1	6515.1	7890.1	8471.3
2056.9	47.5°	2087.0	2145.9	2244.9	2475.1	2705.2	3941.5	5177.7	6885.2	8592.6	9410.7
1951.8	50°	1978.5	2046.8	2177.0	2382.8	2588.5	3870.8	5153.1	7228.5	9303.9	10537.2
1871.2	52.5°	1897.6	1993.1	2142.8	2322.0	2501.3	3751.5	5001.9	7451.5	9900.9	11720.4
1812.8	55°	1854.6	1998.4	2137.7	2277.9	2418.1	3553.8	4689.4	7402.3	10115.1	12769.5
1768.0	57.5°	1828.8	2003.8	2126.7	2225.7	2324.7	3274.9	4224.9	7056.5	9888.3	13513.0
1725.7	60°	1804.5	1986.9	2068.0	2145.9	2223.7	2912.8	3602.0	6413.0	9224.0	13698.8
1677.7	62.5°	1776.3	1945.5	1955.5	2007.0	2058.8	2479.5	2900.2	5542.8	8185.4	12916.4
1612.0	65°	1716.7	1845.7	1844.4	1868.9	1893.3	2089.7	2286.0	4655.0	7024.1	11809.5
1523.2	67.5°	1610.4	1682.9	1686.3	1672.8	1659.1	1715.0	1770.7	3785.3	5799.9	10492.2
1413.6	70°	1475.6	1499.4	1499.4	1436.3	1373.0	1357.2	1341.3	2980.4	4619.5	9054.8
1282.9	72.5°	1325.4	1325.1	1310.1	1220.6	1130.9	1082.7	1034.6	2278.5	3522.4	7496.6
1122.3	75°	1155.0	1160.8	1091.4	991.0	890.6	847.0	803.4	1653.7	2504.1	5710.4
958.0	77.5°	984.3	987.3	872.9	775.4	677.9	648.1	618.5	1120.6	1622.7	3996.7
767.6	80°	789.6	790.0	653.4	570.9	488.3	476.0	463.7	722.0	980.4	2575.0
570.0	82.5°	580.7	574.3	457.6	396.8	336.0	333.5	331.4	444.1	557.1	1490.4
370.8	85°	382.3	373.9	287.1	242.6	198.1	199.3	200.4	237.4	274.5	670.4
164.3	87.5°	168.9	158.2	122.1	103.8	85.7	86.8	87.8	98.4	109.0	219.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
4303.2	2.5°	4319.5	4335.9	4359.1	4382.3	4396.1	4409.9	4416.9	4423.8	4420.7	4423.8
4627.2	5°	4684.2	4741.3	4797.8	4854.5	4885.2	4915.9	4934.5	4953.2	4967.3	4953.2
4952.7	7.5°	5045.5	5138.1	5221.5	5304.8	5355.0	5405.3	5432.4	5459.5	5472.5	5459.5
5202.3	10°	5311.9	5421.5	5519.3	5617.1	5676.4	5735.4	5761.8	5788.0	5798.0	5788.0
5355.0	12.5°	5473.9	5592.6	5681.0	5769.2	5812.2	5855.2	5869.6	5884.0	5885.6	5884.0
5447.9	15°	5550.5	5652.9	5708.4	5763.9	5765.5	5767.0	5751.7	5736.3	5718.2	5736.3
5500.1	17.5°	5569.4	5638.6	5639.7	5640.6	5578.5	5516.3	5459.3	5402.2	5361.9	5402.2
5557.7	20°	5581.8	5606.1	5533.2	5460.2	5322.9	5185.7	5085.7	4985.8	4924.3	4985.8
5624.5	22.5°	5592.9	5561.3	5410.2	5259.1	5057.2	4855.2	4730.2	4605.3	4537.4	4605.3
5710.5	25°	5610.7	5510.9	5281.5	5052.1	4806.9	4561.6	4430.2	4299.1	4234.9	4299.1
5827.2	27.5°	5648.8	5470.2	5166.3	4862.6	4590.8	4319.0	4189.8	4060.6	4000.0	4060.6
5984.6	30°	5718.5	5452.5	5078.5	4704.5	4421.3	4138.2	4018.2	3898.3	3841.8	3898.3
6170.4	32.5°	5806.0	5441.8	5018.6	4595.4	4329.3	4063.2	3969.1	3874.8	3834.1	3874.8
6396.1	35°	5950.2	5504.4	5063.4	4622.6	4437.7	4253.0	4231.1	4209.1	4205.7	4209.1
6776.1	37.5°	6251.6	5727.1	5326.3	4925.6	4913.6	4901.6	5002.0	5102.5	5154.7	5102.5
7350.4	40°	6780.0	6209.5	5911.5	5613.5	5823.8	6034.2	6278.3	6522.5	6644.1	6522.5
8112.0	42.5°	7546.0	6980.1	6808.4	6636.7	7095.5	7554.3	7998.4	8442.5	8703.2	8442.5
9052.5	45°	8544.1	8035.6	7959.9	7884.0	8619.0	9354.2	10083.9	10813.7	11256.7	10813.7
10228.7	47.5°	9734.1	9239.4	9224.0	9208.7	10269.1	11329.2	12397.4	13465.5	14092.8	13465.5
11770.3	50°	11159.4	10548.5	10551.2	10553.8	11920.4	13286.9	14697.0	16107.0	16959.5	16107.0
13540.0	52.5°	12800.2	12060.5	11985.8	11910.8	13543.2	15175.6	16920.2	18664.7	19686.6	18664.7
15424.0	55°	14693.2	13962.3	13670.7	13379.1	15195.9	17012.5	19092.3	21172.2	22387.5	21172.2
17137.7	57.5°	16739.7	16341.5	15756.6	15171.9	17006.4	18840.8	21196.6	23552.2	25059.3	23552.2
18173.4	60°	18791.5	19409.9	18683.6	17957.3	19693.3	21429.4	23951.6	26473.8	28102.6	26473.8
17647.4	62.5°	19336.6	21025.8	20944.0	20862.0	22452.3	24042.8	26442.5	28842.0	30347.5	28842.0
16594.9	65°	18180.3	19765.7	20079.4	20392.9	22413.9	24435.1	26762.0	29088.7	30370.6	29088.7
15184.5	67.5°	16692.4	18200.2	18347.3	18494.3	20600.1	22705.7	25042.5	27379.4	28383.6	27379.4
13490.1	70°	15130.2	16770.4	16836.1	16902.0	18785.1	20668.1	22679.1	24690.0	25248.1	24690.0
11470.9	72.5°	13353.0	15235.2	15282.5	15329.6	16802.9	18276.2	19782.4	21288.4	21344.9	21288.4
8916.6	75°	10864.6	12812.5	12987.4	13162.3	14308.5	15454.8	16515.0	17575.3	17291.2	17575.3
6370.8	77.5°	8189.1	10007.6	10257.9	10508.2	11379.6	12250.9	13002.9	13755.0	13266.7	13755.0
4169.6	80°	5699.5	7229.1	7540.2	7851.3	8509.4	9167.2	9562.1	9956.9	9171.5	9956.9
2423.8	82.5°	3469.6	4515.6	4863.1	5210.7	5663.7	6116.6	6281.4	6446.0	5828.7	6446.0
1066.4	85°	1621.5	2176.6	2472.1	2767.7	3139.9	3512.0	3605.5	3699.0	3204.6	3699.0
330.1	87.5°	516.7	703.3	868.2	1033.1	1219.2	1405.3	1413.3	1421.1	1193.1	1421.1
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):**

325°		330°	335°	340°	345°	350°	355°	360°
4001.5	0°	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5	4001.5
4416.9	2.5°	4409.9	4396.1	4382.3	4359.1	4335.9	4319.5	4303.2
4934.5	5°	4915.9	4885.2	4854.5	4797.8	4741.3	4684.2	4627.2
5432.4	7.5°	5405.3	5355.0	5304.8	5221.5	5138.1	5045.5	4952.7
5761.8	10°	5735.4	5676.4	5617.1	5519.3	5421.5	5311.9	5202.3
5869.6	12.5°	5855.2	5812.2	5769.2	5681.0	5592.6	5473.9	5355.0
5751.7	15°	5767.0	5765.5	5763.9	5708.4	5652.9	5550.5	5447.9
5459.3	17.5°	5516.3	5578.5	5640.6	5639.7	5638.6	5569.4	5500.1
5085.7	20°	5185.7	5322.9	5460.2	5533.2	5606.1	5581.8	5557.7
4730.2	22.5°	4855.2	5057.2	5259.1	5410.2	5561.3	5592.9	5624.5
4430.2	25°	4561.6	4806.9	5052.1	5281.5	5510.9	5610.7	5710.5
4189.8	27.5°	4319.0	4590.8	4862.6	5166.3	5470.2	5648.8	5827.2
4018.2	30°	4138.2	4421.3	4704.5	5078.5	5452.5	5718.5	5984.6
3969.1	32.5°	4063.2	4329.3	4595.4	5018.6	5441.8	5806.0	6170.4
4231.1	35°	4253.0	4437.7	4622.6	5063.4	5504.4	5950.2	6396.1
5002.0	37.5°	4901.6	4913.6	4925.6	5326.3	5727.1	6251.6	6776.1
6278.3	40°	6034.2	5823.8	5613.5	5911.5	6209.5	6780.0	7350.4
7998.4	42.5°	7554.3	7095.5	6636.7	6808.4	6980.1	7546.0	8112.0
10083.9	45°	9354.2	8619.0	7884.0	7959.9	8035.6	8544.1	9052.5
12397.4	47.5°	11329.2	10269.1	9208.7	9224.0	9239.4	9734.1	10228.7
14697.0	50°	13286.9	11920.4	10553.8	10551.2	10548.5	11159.4	11770.3
16920.2	52.5°	15175.6	13543.2	11910.8	11985.8	12060.5	12800.2	13540.0
19092.3	55°	17012.5	15195.9	13379.1	13670.7	13962.3	14693.2	15424.0
21196.6	57.5°	18840.8	17006.4	15171.9	15756.6	16341.5	16739.7	17137.7
23951.6	60°	21429.4	19693.3	17957.3	18683.6	19409.9	18791.5	18173.4
26442.5	62.5°	24042.8	22452.3	20862.0	20944.0	21025.8	19336.6	17647.4
26762.0	65°	24435.1	22413.9	20392.9	20079.4	19765.7	18180.3	16594.9
25042.5	67.5°	22705.7	20600.1	18494.3	18347.3	18200.2	16692.4	15184.5
22679.1	70°	20668.1	18785.1	16902.0	16836.1	16770.4	15130.2	13490.1
19782.4	72.5°	18276.2	16802.9	15329.6	15282.5	15235.2	13353.0	11470.9
16515.0	75°	15454.8	14308.5	13162.3	12987.4	12812.5	10864.6	8916.6
13002.9	77.5°	12250.9	11379.6	10508.2	10257.9	10007.6	8189.1	6370.8
9562.1	80°	9167.2	8509.4	7851.3	7540.2	7229.1	5699.5	4169.6
6281.4	82.5°	6116.6	5663.7	5210.7	4863.1	4515.6	3469.6	2423.8
3605.5	85°	3512.0	3139.9	2767.7	2472.1	2176.6	1621.5	1066.4
1413.3	87.5°	1405.3	1219.2	1033.1	868.2	703.3	516.7	330.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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