

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: P951100

Luminaire Tested: **GALN-SB5B-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951100
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-SB5B-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 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: 26289 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

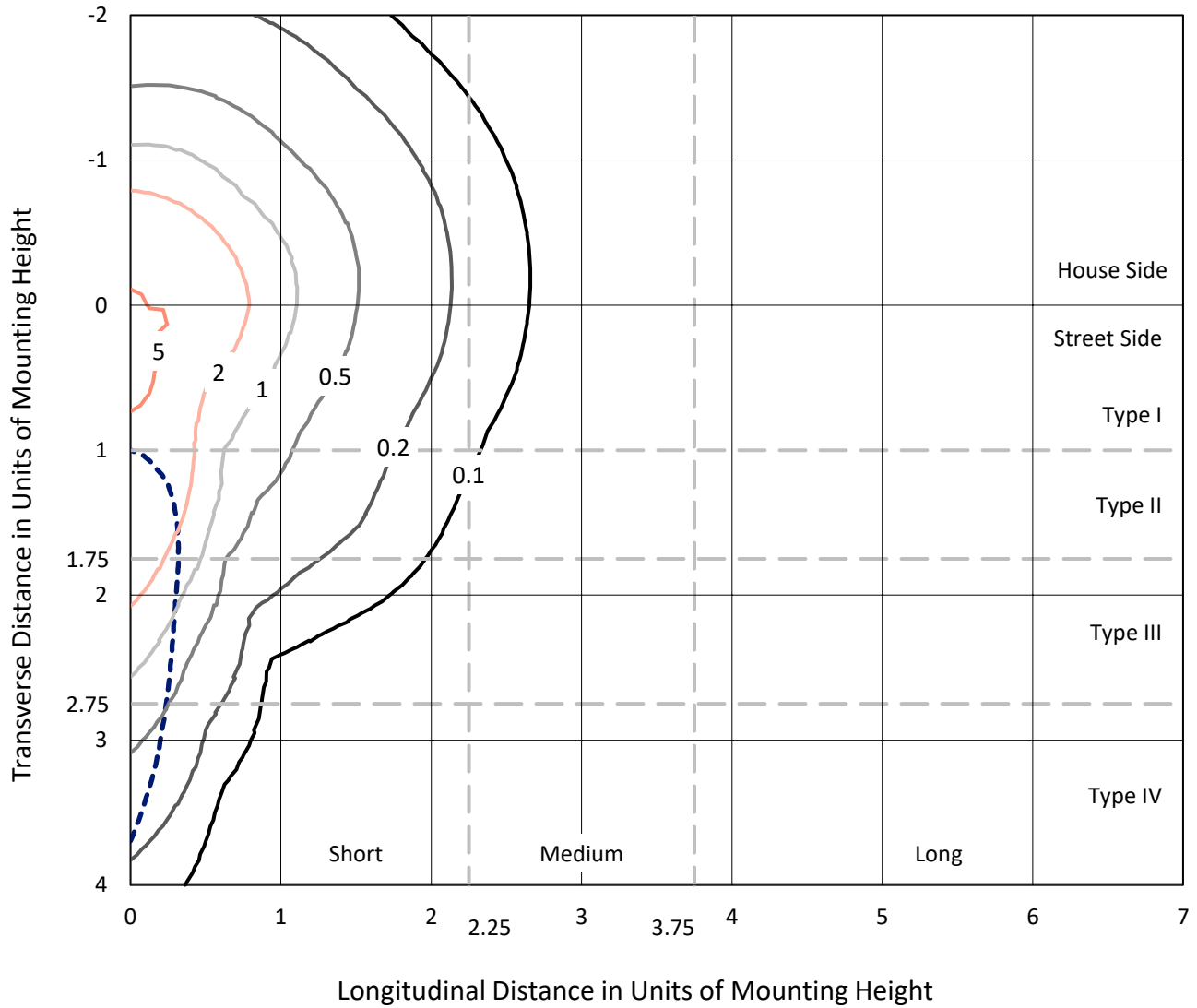
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

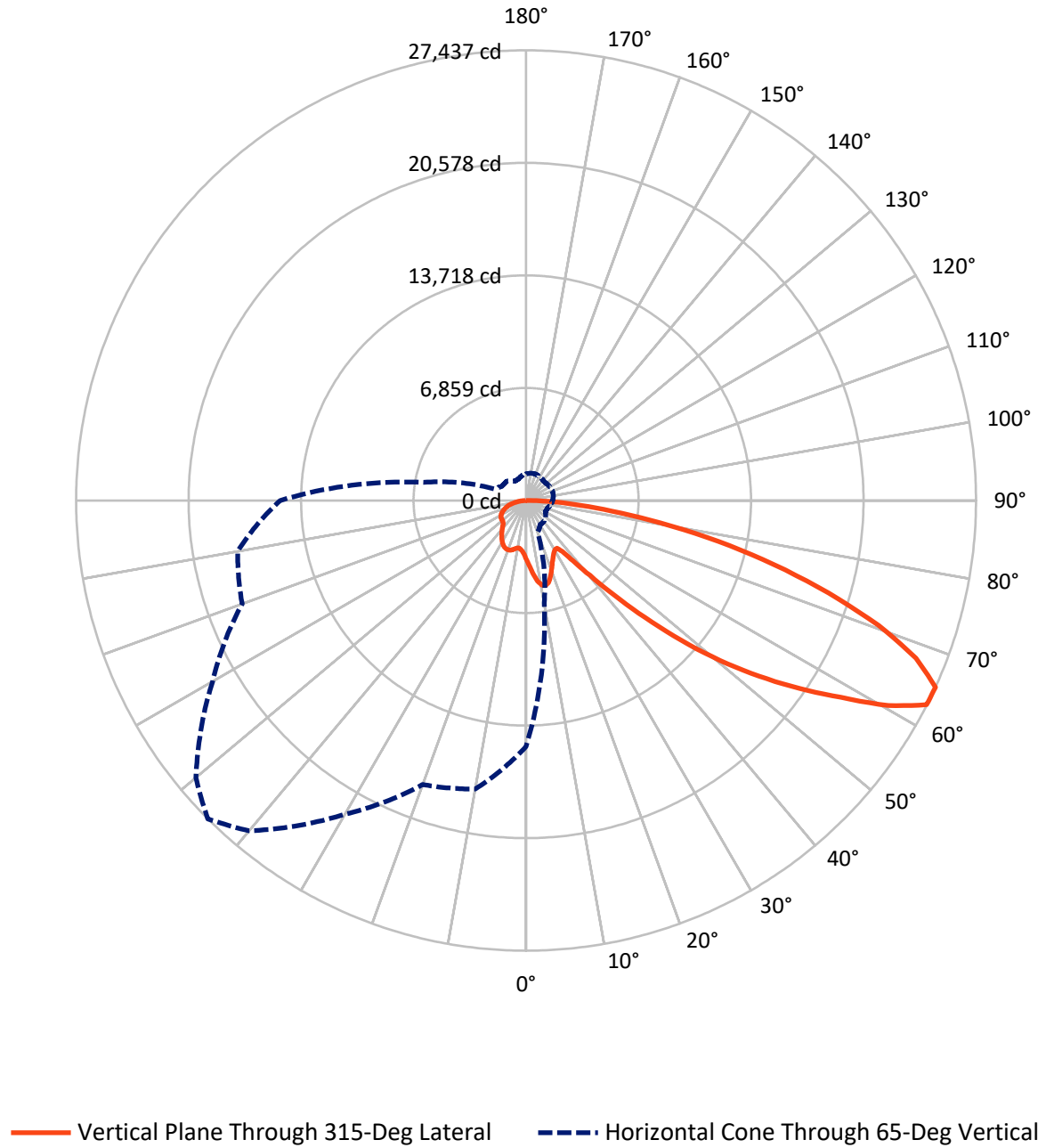
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	6681.3	0.0	6681.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19607.7	0.0	19607.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	26289.0	0.0	26289.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.6	1.4
10°-20°	1125.7	4.3
20°-30°	1738.9	6.6
30°-40°	2203.6	8.4
40°-50°	3323.5	12.6
50°-60°	5369.7	20.4
60°-70°	6694.1	25.5
70°-80°	4389.7	16.7
80°-90°	1085.2	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°	26289.0	100.0
0°-180°	26289.0	100.0



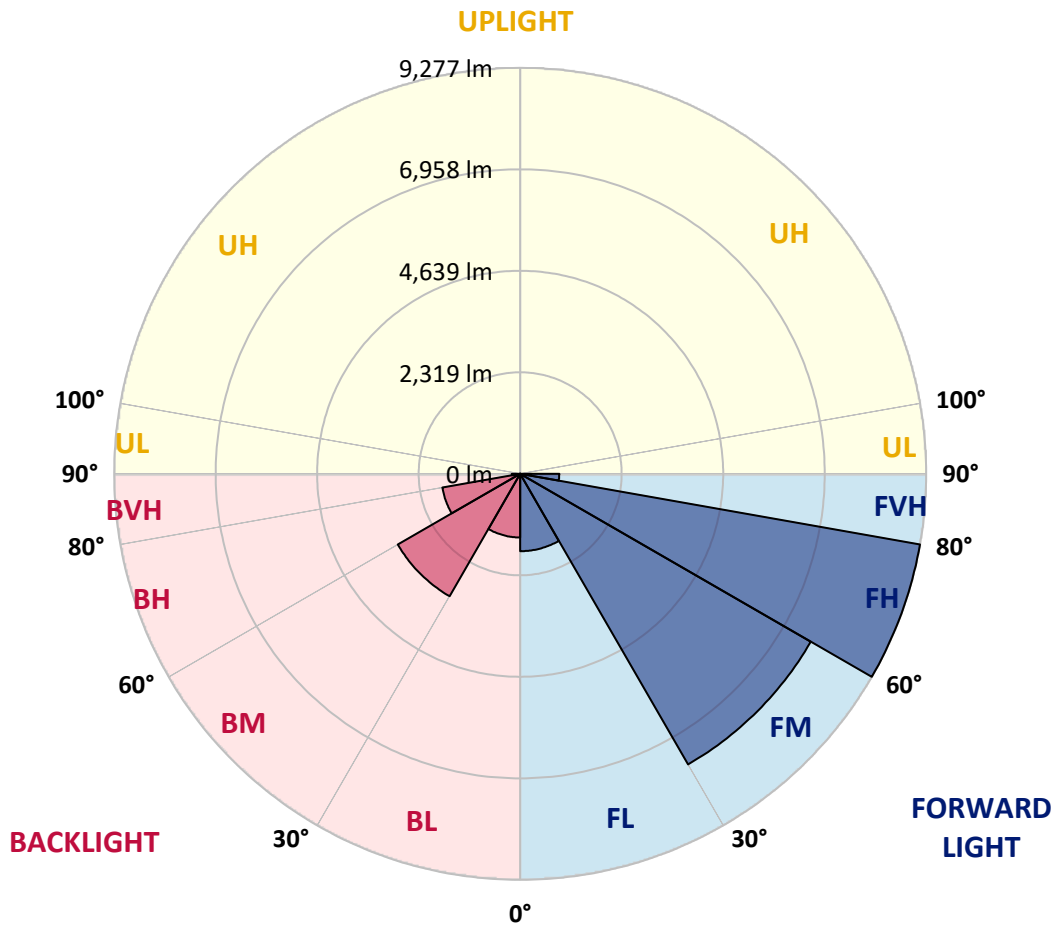
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1768.2	6.7			
FM (30°-60°)	7667.9	29.2			
FH (60°-80°)	9277.5	35.3			G4/12000
FVH (80°-90°)	894.0	3.4			G5
BL (0°-30°)	1454.9	5.5	B3/2500		
BM (30°-60°)	3228.8	12.3	B3/5000		
BH (60°-80°)	1806.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	191.2	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°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
2.5°	3887.5	3857.7	3827.9	3796.1	3764.5	3732.6	3700.7	3670.2	3639.7	3610.1
5°	4180.2	4114.3	4048.5	3982.7	3917.1	3850.9	3784.9	3723.2	3661.4	3603.2
7.5°	4474.3	4365.6	4256.9	4156.5	4056.1	3958.3	3860.5	3774.3	3688.2	3608.7
10°	4699.7	4562.3	4424.8	4292.0	4159.4	4040.7	3921.8	3820.0	3717.9	3619.8
12.5°	4837.8	4686.7	4535.8	4385.4	4235.0	4094.9	3954.8	3839.5	3724.3	3621.2
15°	4921.7	4764.2	4606.8	4443.7	4280.5	4119.2	3957.9	3824.4	3691.0	3576.8
17.5°	4968.8	4809.2	4649.5	4471.5	4293.6	4106.3	3919.0	3758.5	3598.0	3463.8
20°	5020.9	4855.0	4688.9	4493.3	4297.7	4070.8	3843.8	3644.9	3446.0	3289.7
22.5°	5081.2	4911.7	4742.0	4522.7	4303.3	4027.2	3751.2	3511.6	3272.1	3094.1
25°	5158.9	4992.7	4826.7	4576.0	4325.2	3984.2	3643.4	3362.8	3082.3	2899.9
27.5°	5264.3	5105.9	4947.3	4659.2	4371.0	3955.5	3540.1	3226.7	2913.3	2747.3
30°	5406.5	5253.3	5100.3	4767.0	4433.7	3942.1	3450.2	3112.9	2775.7	2636.3
32.5°	5574.3	5422.7	5271.2	4879.5	4487.8	3925.4	3362.8	3014.9	2666.8	2554.5
35°	5778.3	5633.2	5487.9	5007.7	4527.4	3894.1	3261.0	2918.5	2576.0	2482.3
37.5°	6121.6	5936.5	5751.5	5151.3	4551.0	3840.4	3129.7	2805.0	2480.3	2398.4
40°	6640.4	6370.7	6101.0	5333.5	4565.9	3766.4	2967.2	2669.6	2372.1	2297.8
42.5°	7328.4	6939.2	6549.9	5572.0	4594.0	3690.1	2786.5	2520.2	2253.9	2185.5
45°	8178.1	7653.0	7128.0	5885.8	4643.6	3619.3	2595.1	2361.5	2127.9	2058.6
47.5°	9240.6	8501.7	7762.6	6220.1	4677.5	3560.7	2443.9	2236.0	2028.0	1938.6
50°	10633.3	9519.3	8405.1	6530.2	4655.3	3496.9	2338.5	2152.6	1966.7	1849.1
52.5°	12232.1	10588.3	8944.5	6731.7	4518.7	3389.1	2259.7	2097.7	1935.8	1800.5
55°	13934.1	11536.0	9138.0	6687.3	4236.4	3210.5	2184.5	2057.9	1931.2	1805.4
57.5°	15482.2	12207.6	8933.1	6374.9	3816.8	2958.6	2100.2	2010.7	1921.2	1810.3
60°	16417.8	12375.5	8333.0	5793.5	3254.0	2631.5	2008.9	1938.6	1868.2	1795.0
62.5°	15942.7	11668.7	7394.7	5007.4	2620.1	2240.0	1859.9	1813.2	1766.6	1757.5
65°	14991.8	10668.7	6345.6	4205.3	2065.2	1887.8	1710.4	1688.3	1666.3	1667.4
67.5°	13717.7	9478.7	5239.6	3419.7	1599.7	1549.3	1498.8	1511.2	1523.4	1520.3
70°	12187.0	8180.1	4173.3	2692.5	1211.7	1226.1	1240.4	1297.6	1354.6	1354.6
72.5°	10362.9	6772.4	3182.2	2058.4	934.7	978.1	1021.7	1102.7	1183.5	1197.1
75°	8055.3	5158.7	2262.2	1494.0	725.8	765.2	804.6	895.3	986.0	1048.7
77.5°	5755.4	3610.7	1466.0	1012.4	558.8	585.5	612.4	700.5	788.6	892.0
80°	3766.9	2326.3	885.7	652.2	418.9	430.0	441.1	515.7	590.2	713.7
82.5°	2189.6	1346.4	503.3	401.2	299.4	301.3	303.5	358.4	413.4	518.8
85°	963.4	605.6	248.0	214.5	181.0	180.1	178.9	219.2	259.4	337.8
87.5°	298.2	198.4	98.5	88.9	79.3	78.4	77.4	93.8	110.3	142.9
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°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3577.2	2.5°	3550.6	3524.1	3500.1	3476.2	3455.3	3434.4	3413.3	3392.3	3376.1	3359.7
3545.6	5°	3495.4	3445.0	3402.9	3360.8	3323.7	3286.5	3252.8	3218.9	3193.0	3166.9
3534.2	7.5°	3467.4	3400.6	3345.2	3289.7	3242.9	3196.0	3154.7	3113.5	3082.6	3051.8
3539.8	10°	3469.3	3398.8	3343.4	3287.9	3237.5	3187.0	3140.6	3094.1	3057.2	3020.1
3546.7	12.5°	3489.0	3431.6	3394.7	3358.1	3318.4	3279.0	3230.9	3182.9	3135.7	3088.5
3517.2	15°	3489.6	3462.1	3467.1	3472.1	3461.8	3451.6	3409.8	3368.0	3300.9	3233.8
3427.0	17.5°	3437.1	3447.1	3507.6	3568.1	3600.3	3632.3	3598.6	3565.0	3476.1	3387.2
3280.0	20°	3327.1	3374.3	3479.3	3584.4	3651.7	3719.0	3703.5	3687.8	3586.1	3484.6
3113.1	22.5°	3182.9	3252.6	3372.5	3492.6	3580.1	3667.7	3677.1	3686.4	3589.3	3492.2
2951.2	25°	3031.7	3112.1	3219.9	3327.8	3414.0	3500.1	3532.3	3564.3	3484.7	3405.2
2809.7	27.5°	2887.4	2965.1	3053.7	3142.2	3211.3	3280.4	3316.2	3352.1	3295.4	3238.8
2685.3	30°	2746.9	2808.7	2882.3	2955.8	3013.1	3070.5	3099.6	3128.8	3085.6	3042.3
2576.3	32.5°	2612.7	2649.2	2707.9	2766.7	2821.6	2876.7	2909.0	2941.5	2901.8	2862.0
2473.3	35°	2483.3	2493.4	2538.2	2582.9	2637.3	2691.8	2730.6	2769.5	2741.2	2713.0
2365.4	37.5°	2354.3	2343.2	2375.4	2407.4	2461.7	2516.0	2564.0	2612.0	2599.0	2586.0
2247.2	40°	2222.1	2197.0	2220.2	2243.3	2295.8	2348.2	2403.4	2458.8	2461.9	2465.0
2121.7	42.5°	2088.4	2055.1	2074.0	2093.0	2142.6	2192.4	2252.1	2311.7	2327.7	2343.6
1996.8	45°	1964.4	1932.0	1947.9	1964.0	2011.1	2058.3	2120.1	2182.0	2204.9	2227.8
1885.4	47.5°	1858.3	1831.1	1846.0	1860.9	1907.1	1953.1	2014.2	2075.2	2101.6	2127.9
1787.4	50°	1763.2	1739.2	1762.5	1786.0	1829.5	1873.0	1927.6	1982.3	2016.1	2050.0
1714.3	52.5°	1690.4	1666.7	1701.8	1736.7	1776.7	1816.5	1867.4	1918.5	1958.5	1998.6
1675.4	55°	1637.7	1600.1	1649.9	1699.6	1742.6	1785.6	1830.2	1874.8	1917.2	1959.8
1652.1	57.5°	1597.2	1542.3	1595.8	1649.3	1699.8	1750.3	1794.4	1838.7	1881.6	1924.3
1630.2	60°	1559.0	1487.7	1534.8	1581.7	1639.6	1697.6	1742.4	1787.4	1830.4	1873.4
1604.7	62.5°	1515.6	1426.7	1456.5	1486.4	1553.9	1621.6	1669.5	1717.3	1756.7	1796.1
1550.9	65°	1456.3	1361.5	1373.0	1384.4	1456.8	1529.4	1575.1	1620.9	1655.6	1690.3
1454.9	67.5°	1376.1	1297.3	1293.7	1290.1	1356.9	1423.9	1467.3	1510.6	1540.6	1570.6
1333.1	70°	1277.0	1221.0	1208.5	1196.0	1254.8	1313.6	1351.1	1388.6	1415.6	1442.7
1197.4	72.5°	1159.0	1120.6	1102.2	1084.1	1130.4	1176.6	1210.4	1244.3	1270.8	1297.3
1043.4	75°	1013.9	984.2	966.7	949.1	983.5	1017.9	1048.6	1079.2	1103.4	1127.5
889.2	77.5°	865.5	841.7	824.0	806.2	834.2	862.1	888.5	914.8	940.2	965.5
713.3	80°	693.4	673.5	658.6	643.6	667.0	690.1	712.3	734.5	753.8	772.9
524.6	82.5°	514.9	505.2	494.7	484.1	482.2	480.2	472.5	464.7	505.8	546.8
345.4	85°	335.0	324.6	312.8	301.0	291.0	280.9	259.4	237.9	276.3	314.9
152.6	87.5°	148.4	144.3	142.0	139.8	139.4	139.0	122.6	106.1	122.2	138.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3346.5	2.5°	3333.4	3323.1	3312.8	3303.4	3293.8	3282.0	3293.8	3303.4	3312.8	3323.1
3148.7	5°	3130.6	3117.7	3104.8	3094.9	3085.1	3075.4	3085.1	3094.9	3104.8	3117.7
3030.1	7.5°	3008.5	2993.7	2978.9	2970.1	2961.3	2954.7	2961.3	2970.1	2978.9	2993.7
2996.0	10°	2971.6	2957.6	2943.6	2936.1	2928.6	2925.5	2928.6	2936.1	2943.6	2957.6
3057.3	12.5°	3026.1	3010.4	2994.9	2988.5	2982.1	2981.0	2982.1	2988.5	2994.9	3010.4
3186.3	15°	3138.9	3117.1	3095.5	3087.1	3078.8	3078.1	3078.8	3087.1	3095.5	3117.1
3317.3	17.5°	3247.4	3215.2	3182.9	3172.3	3161.6	3160.0	3161.6	3172.3	3182.9	3215.2
3398.8	20°	3313.3	3272.1	3230.7	3217.5	3204.4	3200.2	3204.4	3217.5	3230.7	3272.1
3404.0	22.5°	3315.6	3272.2	3228.6	3214.1	3199.5	3193.3	3199.5	3214.1	3228.6	3272.2
3326.7	25°	3248.5	3210.7	3173.2	3159.4	3145.8	3137.8	3145.8	3159.4	3173.2	3210.7
3177.9	27.5°	3117.0	3091.7	3066.3	3060.1	3053.9	3051.8	3053.9	3060.1	3066.3	3091.7
2998.8	30°	2954.9	2942.0	2929.0	2929.0	2929.0	2931.1	2929.0	2929.0	2929.0	2942.0
2827.2	32.5°	2792.4	2783.9	2775.4	2776.6	2777.8	2779.9	2777.8	2776.6	2775.4	2783.9
2680.8	35°	2648.8	2635.9	2623.1	2620.4	2617.6	2616.2	2617.6	2620.4	2623.1	2635.9
2556.4	37.5°	2526.7	2503.3	2480.0	2467.6	2455.3	2448.4	2455.3	2467.6	2480.0	2503.3
2439.9	40°	2414.8	2380.7	2346.8	2323.8	2301.0	2287.4	2301.0	2323.8	2346.8	2380.7
2322.4	42.5°	2301.3	2259.0	2216.7	2183.3	2149.8	2127.9	2149.8	2183.3	2216.7	2259.0
2208.7	45°	2189.6	2141.2	2093.0	2053.7	2014.4	1989.2	2014.4	2053.7	2093.0	2141.2
2114.6	47.5°	2101.3	2058.3	2015.3	1978.9	1942.7	1918.5	1942.7	1978.9	2015.3	2058.3
2049.1	50°	2048.6	2014.2	1979.8	1946.2	1912.6	1889.3	1912.6	1946.2	1979.8	2014.2
2005.8	52.5°	2013.1	1985.0	1957.0	1926.9	1897.0	1875.5	1897.0	1926.9	1957.0	1985.0
1969.8	55°	1979.8	1955.4	1930.9	1904.6	1878.2	1858.8	1878.2	1904.6	1930.9	1955.4
1934.4	57.5°	1944.5	1919.8	1895.2	1869.1	1842.9	1822.7	1842.9	1869.1	1895.2	1919.8
1884.5	60°	1895.6	1871.4	1847.4	1820.5	1793.6	1772.8	1793.6	1820.5	1847.4	1871.4
1806.8	62.5°	1817.5	1795.7	1773.9	1745.6	1717.3	1692.3	1717.3	1745.6	1773.9	1795.7
1701.2	65°	1712.0	1691.1	1670.2	1642.7	1615.4	1593.9	1615.4	1642.7	1670.2	1691.1
1581.2	67.5°	1591.8	1572.5	1553.4	1527.8	1502.3	1482.9	1502.3	1527.8	1553.4	1572.5
1452.9	70°	1463.2	1447.5	1431.8	1407.4	1383.0	1360.8	1383.0	1407.4	1431.8	1447.5
1309.5	72.5°	1321.7	1308.7	1295.6	1272.3	1249.1	1227.6	1249.1	1272.3	1295.6	1308.7
1140.3	75°	1153.0	1146.6	1140.3	1120.7	1101.1	1080.6	1101.1	1120.7	1140.3	1146.6
977.4	77.5°	989.3	980.5	971.3	951.6	931.9	915.5	931.9	951.6	971.3	980.5
788.7	80°	804.6	800.7	796.9	770.4	743.8	713.0	743.8	770.4	796.9	800.7
573.7	82.5°	600.6	599.0	597.2	574.8	552.4	532.7	552.4	574.8	597.2	599.0
348.2	85°	381.5	378.7	375.9	358.4	341.0	323.2	341.0	358.4	375.9	378.7
151.9	87.5°	165.4	162.0	158.4	149.5	140.4	131.8	140.4	149.5	158.4	162.0
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°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3333.4	2.5°	3346.5	3359.7	3376.1	3392.3	3413.3	3434.4	3455.3	3476.2	3500.1	3524.1
3130.6	5°	3148.7	3166.9	3193.0	3218.9	3252.8	3286.5	3323.7	3360.8	3402.9	3445.0
3008.5	7.5°	3030.1	3051.8	3082.6	3113.5	3154.7	3196.0	3242.9	3289.7	3345.2	3400.6
2971.6	10°	2996.0	3020.1	3057.2	3094.1	3140.6	3187.0	3237.5	3287.9	3343.4	3398.8
3026.1	12.5°	3057.3	3088.5	3135.7	3182.9	3230.9	3279.0	3318.4	3358.1	3394.7	3431.6
3138.9	15°	3186.3	3233.8	3300.9	3368.0	3409.8	3451.6	3461.8	3472.1	3467.1	3462.1
3247.4	17.5°	3317.3	3387.2	3476.1	3565.0	3598.6	3632.3	3600.3	3568.1	3507.6	3447.1
3313.3	20°	3398.8	3484.6	3586.1	3687.8	3703.5	3719.0	3651.7	3584.4	3479.3	3374.3
3315.6	22.5°	3404.0	3492.2	3589.3	3686.4	3677.1	3667.7	3580.1	3492.6	3372.5	3252.6
3248.5	25°	3326.7	3405.2	3484.7	3564.3	3532.3	3500.1	3414.0	3327.8	3219.9	3112.1
3117.0	27.5°	3177.9	3238.8	3295.4	3352.1	3316.2	3280.4	3211.3	3142.2	3053.7	2965.1
2954.9	30°	2998.8	3042.3	3085.6	3128.8	3099.6	3070.5	3013.1	2955.8	2882.3	2808.7
2792.4	32.5°	2827.2	2862.0	2901.8	2941.5	2909.0	2876.7	2821.6	2766.7	2707.9	2649.2
2648.8	35°	2680.8	2713.0	2741.2	2769.5	2730.6	2691.8	2637.3	2582.9	2538.2	2493.4
2526.7	37.5°	2556.4	2586.0	2599.0	2612.0	2564.0	2516.0	2461.7	2407.4	2375.4	2343.2
2414.8	40°	2439.9	2465.0	2461.9	2458.8	2403.4	2348.2	2295.8	2243.3	2220.2	2197.0
2301.3	42.5°	2322.4	2343.6	2327.7	2311.7	2252.1	2192.4	2142.6	2093.0	2074.0	2055.1
2189.6	45°	2208.7	2227.8	2204.9	2182.0	2120.1	2058.3	2011.1	1964.0	1947.9	1932.0
2101.3	47.5°	2114.6	2127.9	2101.6	2075.2	2014.2	1953.1	1907.1	1860.9	1846.0	1831.1
2048.6	50°	2049.1	2050.0	2016.1	1982.3	1927.6	1873.0	1829.5	1786.0	1762.5	1739.2
2013.1	52.5°	2005.8	1998.6	1958.5	1918.5	1867.4	1816.5	1776.7	1736.7	1701.8	1666.7
1979.8	55°	1969.8	1959.8	1917.2	1874.8	1830.2	1785.6	1742.6	1699.6	1649.9	1600.1
1944.5	57.5°	1934.4	1924.3	1881.6	1838.7	1794.4	1750.3	1699.8	1649.3	1595.8	1542.3
1895.6	60°	1884.5	1873.4	1830.4	1787.4	1742.4	1697.6	1639.6	1581.7	1534.8	1487.7
1817.5	62.5°	1806.8	1796.1	1756.7	1717.3	1669.5	1621.6	1553.9	1486.4	1456.5	1426.7
1712.0	65°	1701.2	1690.3	1655.6	1620.9	1575.1	1529.4	1456.8	1384.4	1373.0	1361.5
1591.8	67.5°	1581.2	1570.6	1540.6	1510.6	1467.3	1423.9	1356.9	1290.1	1293.7	1297.3
1463.2	70°	1452.9	1442.7	1415.6	1388.6	1351.1	1313.6	1254.8	1196.0	1208.5	1221.0
1321.7	72.5°	1309.5	1297.3	1270.8	1244.3	1210.4	1176.6	1130.4	1084.1	1102.2	1120.6
1153.0	75°	1140.3	1127.5	1103.4	1079.2	1048.6	1017.9	983.5	949.1	966.7	984.2
989.3	77.5°	977.4	965.5	940.2	914.8	888.5	862.1	834.2	806.2	824.0	841.7
804.6	80°	788.7	772.9	753.8	734.5	712.3	690.1	667.0	643.6	658.6	673.5
600.6	82.5°	573.7	546.8	505.8	464.7	472.5	480.2	482.2	484.1	494.7	505.2
381.5	85°	348.2	314.9	276.3	237.9	259.4	280.9	291.0	301.0	312.8	324.6
165.4	87.5°	151.9	138.4	122.2	106.1	122.6	139.0	139.4	139.8	142.0	144.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3550.6	2.5°	3577.2	3610.1	3639.7	3670.2	3700.7	3732.6	3764.5	3796.1	3827.9	3857.7
3495.4	5°	3545.6	3603.2	3661.4	3723.2	3784.9	3850.9	3917.1	3982.7	4048.5	4114.3
3467.4	7.5°	3534.2	3608.7	3688.2	3774.3	3860.5	3958.3	4056.1	4156.5	4256.9	4365.6
3469.3	10°	3539.8	3619.8	3717.9	3820.0	3921.8	4040.7	4159.4	4292.0	4424.8	4562.3
3489.0	12.5°	3546.7	3621.2	3724.3	3839.5	3954.8	4094.9	4235.0	4385.4	4535.8	4686.7
3489.6	15°	3517.2	3576.8	3691.0	3824.4	3957.9	4119.2	4280.5	4443.7	4606.8	4764.2
3437.1	17.5°	3427.0	3463.8	3598.0	3758.5	3919.0	4106.3	4293.6	4471.5	4649.5	4809.2
3327.1	20°	3280.0	3289.7	3446.0	3644.9	3843.8	4070.8	4297.7	4493.3	4688.9	4855.0
3182.9	22.5°	3113.1	3094.1	3272.1	3511.6	3751.2	4027.2	4303.3	4522.7	4742.0	4911.7
3031.7	25°	2951.2	2899.9	3082.3	3362.8	3643.4	3984.2	4325.2	4576.0	4826.7	4992.7
2887.4	27.5°	2809.7	2747.3	2913.3	3226.7	3540.1	3955.5	4371.0	4659.2	4947.3	5105.9
2746.9	30°	2685.3	2636.3	2775.7	3112.9	3450.2	3942.1	4433.7	4767.0	5100.3	5253.3
2612.7	32.5°	2576.3	2554.5	2666.8	3014.9	3362.8	3925.4	4487.8	4879.5	5271.2	5422.7
2483.3	35°	2473.3	2482.3	2576.0	2918.5	3261.0	3894.1	4527.4	5007.7	5487.9	5633.2
2354.3	37.5°	2365.4	2398.4	2480.3	2805.0	3129.7	3840.4	4551.0	5151.3	5751.5	5936.5
2222.1	40°	2247.2	2297.8	2372.1	2669.6	2967.2	3766.4	4565.9	5333.5	6101.0	6370.7
2088.4	42.5°	2121.7	2185.5	2253.9	2520.2	2786.5	3690.1	4594.0	5572.0	6549.9	6939.2
1964.4	45°	1996.8	2058.6	2127.9	2361.5	2595.1	3619.3	4643.6	5885.8	7128.0	7653.0
1858.3	47.5°	1885.4	1938.6	2028.0	2236.0	2443.9	3560.7	4677.5	6220.1	7762.6	8501.7
1763.2	50°	1787.4	1849.1	1966.7	2152.6	2338.5	3496.9	4655.3	6530.2	8405.1	9519.3
1690.4	52.5°	1714.3	1800.5	1935.8	2097.7	2259.7	3389.1	4518.7	6731.7	8944.5	10588.3
1637.7	55°	1675.4	1805.4	1931.2	2057.9	2184.5	3210.5	4236.4	6687.3	9138.0	11536.0
1597.2	57.5°	1652.1	1810.3	1921.2	2010.7	2100.2	2958.6	3816.8	6374.9	8933.1	12207.6
1559.0	60°	1630.2	1795.0	1868.2	1938.6	2008.9	2631.5	3254.0	5793.5	8333.0	12375.5
1515.6	62.5°	1604.7	1757.5	1766.6	1813.2	1859.9	2240.0	2620.1	5007.4	7394.7	11668.7
1456.3	65°	1550.9	1667.4	1666.3	1688.3	1710.4	1887.8	2065.2	4205.3	6345.6	10668.7
1376.1	67.5°	1454.9	1520.3	1523.4	1511.2	1498.8	1549.3	1599.7	3419.7	5239.6	9478.7
1277.0	70°	1333.1	1354.6	1354.6	1297.6	1240.4	1226.1	1211.7	2692.5	4173.3	8180.1
1159.0	72.5°	1197.4	1197.1	1183.5	1102.7	1021.7	978.1	934.7	2058.4	3182.2	6772.4
1013.9	75°	1043.4	1048.7	986.0	895.3	804.6	765.2	725.8	1494.0	2262.2	5158.7
865.5	77.5°	889.2	892.0	788.6	700.5	612.4	585.5	558.8	1012.4	1466.0	3610.7
693.4	80°	713.3	713.7	590.2	515.7	441.1	430.0	418.9	652.2	885.7	2326.3
514.9	82.5°	524.6	518.8	413.4	358.4	303.5	301.3	299.4	401.2	503.3	1346.4
335.0	85°	345.4	337.8	259.4	219.2	178.9	180.1	181.0	214.5	248.0	605.6
148.4	87.5°	152.6	142.9	110.3	93.8	77.4	78.4	79.3	88.9	98.5	198.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3887.5	2.5°	3902.2	3917.1	3938.0	3959.0	3971.5	3984.0	3990.2	3996.4	3993.7	3996.4
4180.2	5°	4231.7	4283.3	4334.4	4385.5	4413.3	4441.0	4457.8	4474.7	4487.5	4474.7
4474.3	7.5°	4558.1	4641.7	4717.1	4792.4	4837.8	4883.1	4907.7	4932.1	4943.9	4932.1
4699.7	10°	4798.8	4897.8	4986.2	5074.5	5128.1	5181.4	5205.2	5228.9	5238.0	5228.9
4837.8	12.5°	4945.1	5052.3	5132.2	5211.9	5250.7	5289.6	5302.6	5315.6	5317.0	5315.6
4921.7	15°	5014.3	5106.9	5156.9	5207.2	5208.5	5209.9	5196.1	5182.2	5165.8	5182.2
4968.8	17.5°	5031.4	5094.0	5094.9	5095.8	5039.6	4983.4	4931.9	4880.3	4844.0	4880.3
5020.9	20°	5042.6	5064.6	4998.7	4932.8	4808.8	4684.7	4594.4	4504.1	4448.7	4504.1
5081.2	22.5°	5052.6	5024.1	4887.6	4751.1	4568.6	4386.2	4273.3	4160.4	4099.1	4160.4
5158.9	25°	5068.7	4978.6	4771.3	4564.1	4342.5	4121.0	4002.3	3883.8	3825.8	3883.8
5264.3	27.5°	5103.1	4941.8	4667.3	4392.9	4147.4	3901.8	3785.0	3668.4	3613.6	3668.4
5406.5	30°	5166.1	4925.8	4587.9	4250.0	3994.2	3738.4	3630.1	3521.7	3470.7	3521.7
5574.3	32.5°	5245.2	4916.1	4533.8	4151.5	3911.1	3670.7	3585.7	3500.5	3463.8	3500.5
5778.3	35°	5375.4	4972.7	4574.3	4176.1	4009.1	3842.2	3822.3	3802.5	3799.5	3802.5
6121.6	37.5°	5647.7	5173.9	4811.8	4449.8	4438.9	4428.1	4518.8	4609.6	4656.7	4609.6
6640.4	40°	6125.0	5609.7	5340.5	5071.2	5261.3	5451.3	5671.9	5892.4	6002.3	5892.4
7328.4	42.5°	6817.1	6305.8	6150.7	5995.6	6410.1	6824.6	7225.8	7626.9	7862.5	7626.9
8178.1	45°	7718.8	7259.3	7190.9	7122.4	7786.5	8450.6	9109.8	9769.1	10169.3	9769.1
9240.6	47.5°	8793.8	8346.9	8333.0	8319.1	9277.1	10234.8	11199.9	12164.8	12731.4	12164.8
10633.3	50°	10081.4	9529.6	9531.9	9534.3	10768.9	12003.5	13277.3	14551.1	15321.3	14551.1
12232.1	52.5°	11563.7	10895.5	10828.0	10760.3	12235.0	13709.7	15285.8	16861.7	17784.9	16861.7
13934.1	55°	13273.8	12613.5	12350.1	12086.7	13728.0	15369.1	17248.1	19127.0	20224.9	19127.0
15482.2	57.5°	15122.6	14763.0	14234.6	13706.3	15363.6	17020.8	19149.0	21277.1	22638.6	21277.1
16417.8	60°	16976.3	17534.9	16878.8	16222.7	17791.0	19359.3	21637.9	23916.5	25388.0	23916.5
15942.7	62.5°	17468.8	18994.8	18920.9	18846.8	20283.5	21720.3	23888.2	26055.9	27416.0	26055.9
14991.8	65°	16424.1	17856.3	18139.7	18423.0	20248.8	22074.7	24176.8	26278.8	27436.8	26278.8
13717.7	67.5°	15079.9	16442.1	16575.0	16707.8	18610.1	20512.4	22623.5	24734.6	25641.8	24734.6
12187.0	70°	13668.6	15150.4	15209.8	15269.3	16970.5	18671.6	20488.4	22305.0	22809.2	22305.0
10362.9	72.5°	12063.1	13763.5	13806.2	13848.8	15179.8	16510.8	17871.5	19232.0	19283.0	19232.0
8055.3	75°	9815.1	11574.8	11732.8	11890.8	12926.3	13961.9	14919.7	15877.5	15620.9	15877.5
5755.4	77.5°	7398.1	9040.9	9267.0	9493.1	10280.3	11067.5	11746.8	12426.3	11985.1	12426.3
3766.9	80°	5148.9	6530.8	6811.8	7092.9	7687.4	8281.7	8638.5	8995.1	8285.6	8995.1
2189.6	82.5°	3134.4	4079.4	4393.3	4707.4	5116.6	5525.8	5674.6	5823.3	5265.7	5823.3
963.4	85°	1464.9	1966.3	2233.3	2500.4	2836.6	3172.7	3257.2	3341.7	2895.0	3341.7
298.2	87.5°	466.8	635.3	784.3	933.3	1101.4	1269.5	1276.8	1283.8	1077.8	1283.8
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°
3615.0	0°	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0	3615.0
3990.2	2.5°	3984.0	3971.5	3959.0	3938.0	3917.1	3902.2	3887.5
4457.8	5°	4441.0	4413.3	4385.5	4334.4	4283.3	4231.7	4180.2
4907.7	7.5°	4883.1	4837.8	4792.4	4717.1	4641.7	4558.1	4474.3
5205.2	10°	5181.4	5128.1	5074.5	4986.2	4897.8	4798.8	4699.7
5302.6	12.5°	5289.6	5250.7	5211.9	5132.2	5052.3	4945.1	4837.8
5196.1	15°	5209.9	5208.5	5207.2	5156.9	5106.9	5014.3	4921.7
4931.9	17.5°	4983.4	5039.6	5095.8	5094.9	5094.0	5031.4	4968.8
4594.4	20°	4684.7	4808.8	4932.8	4998.7	5064.6	5042.6	5020.9
4273.3	22.5°	4386.2	4568.6	4751.1	4887.6	5024.1	5052.6	5081.2
4002.3	25°	4121.0	4342.5	4564.1	4771.3	4978.6	5068.7	5158.9
3785.0	27.5°	3901.8	4147.4	4392.9	4667.3	4941.8	5103.1	5264.3
3630.1	30°	3738.4	3994.2	4250.0	4587.9	4925.8	5166.1	5406.5
3585.7	32.5°	3670.7	3911.1	4151.5	4533.8	4916.1	5245.2	5574.3
3822.3	35°	3842.2	4009.1	4176.1	4574.3	4972.7	5375.4	5778.3
4518.8	37.5°	4428.1	4438.9	4449.8	4811.8	5173.9	5647.7	6121.6
5671.9	40°	5451.3	5261.3	5071.2	5340.5	5609.7	6125.0	6640.4
7225.8	42.5°	6824.6	6410.1	5995.6	6150.7	6305.8	6817.1	7328.4
9109.8	45°	8450.6	7786.5	7122.4	7190.9	7259.3	7718.8	8178.1
11199.9	47.5°	10234.8	9277.1	8319.1	8333.0	8346.9	8793.8	9240.6
13277.3	50°	12003.5	10768.9	9534.3	9531.9	9529.6	10081.4	10633.3
15285.8	52.5°	13709.7	12235.0	10760.3	10828.0	10895.5	11563.7	12232.1
17248.1	55°	15369.1	13728.0	12086.7	12350.1	12613.5	13273.8	13934.1
19149.0	57.5°	17020.8	15363.6	13706.3	14234.6	14763.0	15122.6	15482.2
21637.9	60°	19359.3	17791.0	16222.7	16878.8	17534.9	16976.3	16417.8
23888.2	62.5°	21720.3	20283.5	18846.8	18920.9	18994.8	17468.8	15942.7
24176.8	65°	22074.7	20248.8	18423.0	18139.7	17856.3	16424.1	14991.8
22623.5	67.5°	20512.4	18610.1	16707.8	16575.0	16442.1	15079.9	13717.7
20488.4	70°	18671.6	16970.5	15269.3	15209.8	15150.4	13668.6	12187.0
17871.5	72.5°	16510.8	15179.8	13848.8	13806.2	13763.5	12063.1	10362.9
14919.7	75°	13961.9	12926.3	11890.8	11732.8	11574.8	9815.1	8055.3
11746.8	77.5°	11067.5	10280.3	9493.1	9267.0	9040.9	7398.1	5755.4
8638.5	80°	8281.7	7687.4	7092.9	6811.8	6530.8	5148.9	3766.9
5674.6	82.5°	5525.8	5116.6	4707.4	4393.3	4079.4	3134.4	2189.6
3257.2	85°	3172.7	2836.6	2500.4	2233.3	1966.3	1464.9	963.4
1276.8	87.5°	1269.5	1101.4	933.3	784.3	635.3	466.8	298.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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