

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: P950701

Luminaire Tested: **GALN-SB5A-827-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950701  
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-SB5A-827-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

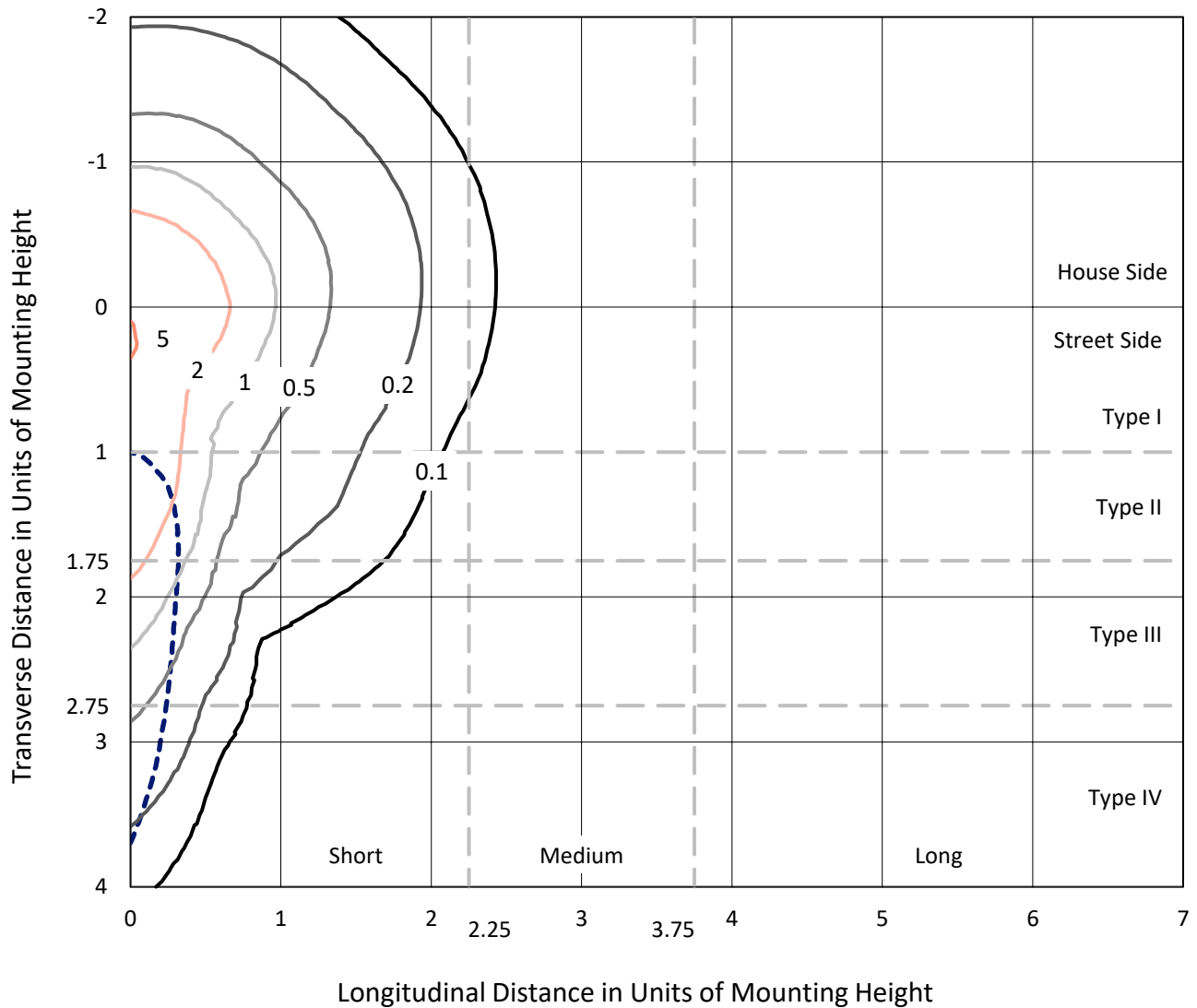
Lumens per Lamp: N/A  
Luminaire Lumens: 19633 lumens  
Efficiency: N/A  
Efficacy: 138.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

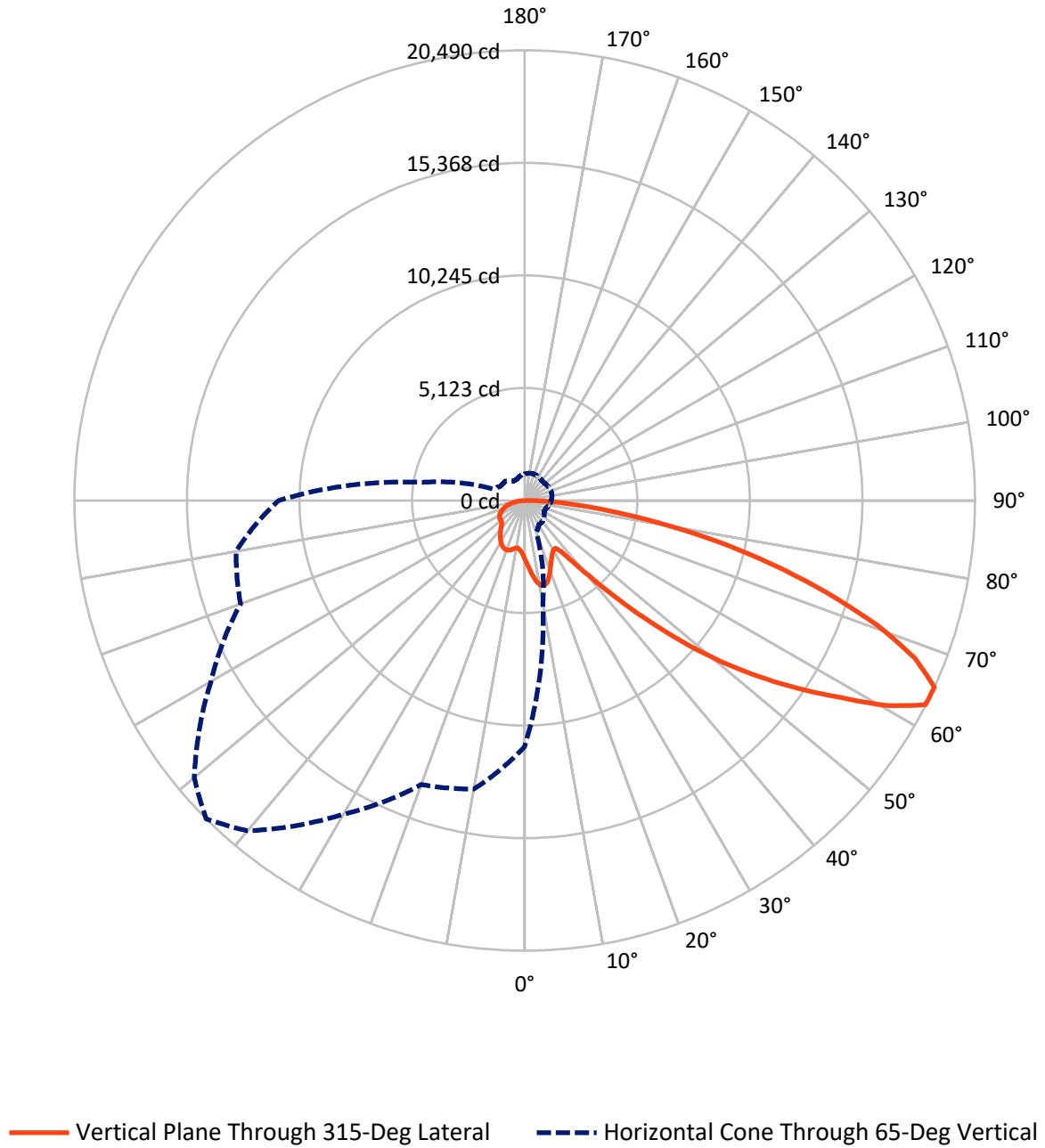
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	4989.7	0.0	4989.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	14643.3	0.0	14643.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	19633.0	0.0	19633.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.8	1.4
10°-20°	840.7	4.3
20°-30°	1298.6	6.6
30°-40°	1645.7	8.4
40°-50°	2482.1	12.6
50°-60°	4010.1	20.4
60°-70°	4999.3	25.5
70°-80°	3278.3	16.7
80°-90°	810.5	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°	19633.0	100.0
0°-180°	19633.0	100.0

**Coefficient of Utilization**



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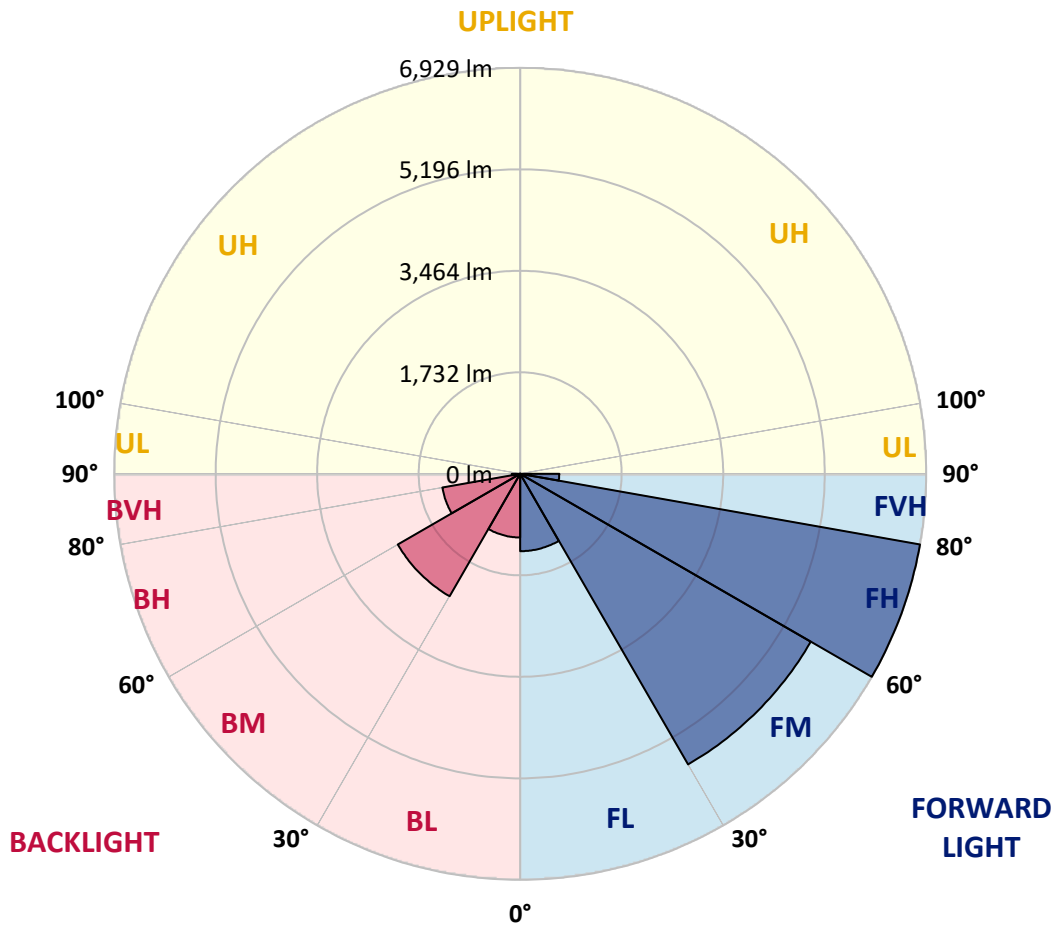
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1320.5	6.7			
FM (30°-60°)	5726.5	29.2			
FH (60°-80°)	6928.6	35.3			G3/7500
FVH (80°-90°)	667.7	3.4			G4/750
BL (0°-30°)	1086.6	5.5	B3/2500		
BM (30°-60°)	2411.3	12.3	B2/2500		
BH (60°-80°)	1349.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	142.8	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2.5°	2903.3	2881.0	2858.7	2835.0	2811.4	2787.6	2763.7	2740.9	2718.1	2696.1
5°	3121.9	3072.7	3023.4	2974.3	2925.3	2875.9	2826.6	2780.5	2734.4	2690.9
7.5°	3341.5	3260.3	3179.1	3104.1	3029.1	2956.1	2883.1	2818.7	2754.4	2695.0
10°	3509.8	3407.2	3304.5	3205.4	3106.3	3017.6	2928.9	2852.8	2776.6	2703.3
12.5°	3612.9	3500.1	3387.4	3275.1	3162.8	3058.1	2953.5	2867.4	2781.3	2704.4
15°	3675.6	3558.0	3440.4	3318.6	3196.8	3076.3	2955.8	2856.1	2756.5	2671.2
17.5°	3710.8	3591.6	3472.3	3339.4	3206.5	3066.6	2926.8	2806.9	2687.1	2586.8
20°	3749.7	3625.7	3501.7	3355.7	3209.6	3040.1	2870.6	2722.1	2573.5	2456.8
22.5°	3794.7	3668.1	3541.4	3377.6	3213.7	3007.6	2801.4	2622.5	2443.6	2310.7
25°	3852.7	3728.6	3604.6	3417.4	3230.1	2975.5	2720.9	2511.4	2301.9	2165.7
27.5°	3931.5	3813.2	3694.7	3479.6	3264.3	2954.0	2643.8	2409.7	2175.7	2051.7
30°	4037.6	3923.3	3809.0	3560.1	3311.1	2944.0	2576.6	2324.8	2073.0	1968.8
32.5°	4163.0	4049.8	3936.6	3644.1	3351.5	2931.6	2511.4	2251.6	1991.6	1907.7
35°	4315.3	4206.9	4098.5	3739.8	3381.2	2908.1	2435.3	2179.6	1923.8	1853.8
37.5°	4571.7	4433.5	4295.3	3847.0	3398.8	2868.0	2337.3	2094.8	1852.3	1791.2
40°	4959.1	4757.7	4556.4	3983.2	3409.9	2812.8	2215.9	1993.7	1771.5	1716.1
42.5°	5473.0	5182.3	4891.6	4161.2	3430.9	2755.9	2081.0	1882.1	1683.2	1632.2
45°	6107.5	5715.4	5323.3	4395.6	3467.9	2702.9	1938.1	1763.6	1589.2	1537.4
47.5°	6901.0	6349.2	5797.2	4645.2	3493.3	2659.2	1825.2	1669.9	1514.6	1447.8
50°	7941.1	7109.2	6277.1	4876.9	3476.7	2611.5	1746.4	1607.6	1468.8	1380.9
52.5°	9135.1	7907.5	6679.9	5027.3	3374.6	2531.1	1687.6	1566.6	1445.7	1344.7
55°	10406.2	8615.2	6824.4	4994.1	3163.8	2397.6	1631.4	1536.8	1442.3	1348.3
57.5°	11562.3	9116.8	6671.4	4760.8	2850.4	2209.5	1568.4	1501.6	1434.8	1351.9
60°	12261.1	9242.2	6223.2	4326.7	2430.2	1965.2	1500.3	1447.8	1395.2	1340.5
62.5°	11906.3	8714.4	5522.5	3739.6	1956.7	1672.9	1389.0	1354.1	1319.3	1312.6
65°	11196.1	7967.6	4739.0	3140.6	1542.3	1409.8	1277.3	1260.9	1244.4	1245.2
67.5°	10244.6	7078.8	3913.0	2553.8	1194.7	1157.1	1119.4	1128.6	1137.7	1135.4
70°	9101.4	6109.0	3116.7	2010.8	904.9	915.7	926.4	969.0	1011.6	1011.6
72.5°	7739.1	5057.8	2376.5	1537.3	698.0	730.5	763.0	823.5	883.9	894.0
75°	6015.8	3852.6	1689.4	1115.7	542.0	571.4	600.9	668.6	736.4	783.2
77.5°	4298.2	2696.5	1094.8	756.0	417.3	437.3	457.4	523.2	588.9	666.1
80°	2813.1	1737.3	661.5	487.1	312.9	321.1	329.4	385.2	440.8	533.0
82.5°	1635.3	1005.5	375.8	299.6	223.6	225.0	226.7	267.7	308.7	387.4
85°	719.5	452.3	185.2	160.2	135.2	134.5	133.6	163.7	193.7	252.3
87.5°	222.7	148.1	73.6	66.4	59.3	58.5	57.8	70.0	82.4	106.7
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2671.5	2.5°	2651.6	2631.9	2613.9	2596.1	2580.5	2564.8	2549.1	2533.4	2521.3	2509.1
2647.9	5°	2610.4	2572.8	2541.3	2509.9	2482.2	2454.4	2429.2	2403.9	2384.6	2365.1
2639.4	7.5°	2589.5	2539.7	2498.2	2456.8	2421.9	2386.8	2356.0	2325.2	2302.1	2279.1
2643.6	10°	2590.9	2538.3	2496.9	2455.4	2417.8	2380.1	2345.4	2310.7	2283.1	2255.5
2648.7	12.5°	2605.6	2562.8	2535.2	2507.8	2478.2	2448.8	2412.8	2377.0	2341.8	2306.6
2626.7	15°	2606.1	2585.5	2589.3	2593.0	2585.3	2577.7	2546.5	2515.3	2465.2	2415.0
2559.3	17.5°	2566.9	2574.4	2619.5	2664.7	2688.7	2712.7	2687.5	2662.4	2596.0	2529.6
2449.5	20°	2484.7	2520.0	2598.4	2676.9	2727.2	2777.4	2765.8	2754.1	2678.2	2602.3
2324.9	22.5°	2377.0	2429.1	2518.6	2608.3	2673.7	2739.1	2746.1	2753.1	2680.5	2608.0
2204.0	25°	2264.1	2324.2	2404.7	2485.3	2549.6	2613.9	2638.0	2661.9	2602.4	2543.1
2098.3	27.5°	2156.3	2214.4	2280.6	2346.7	2398.2	2449.8	2476.6	2503.4	2461.0	2418.8
2005.4	30°	2051.4	2097.6	2152.5	2207.4	2250.2	2293.1	2314.8	2336.6	2304.4	2272.1
1924.0	32.5°	1951.2	1978.5	2022.3	2066.2	2107.2	2148.4	2172.5	2196.7	2167.1	2137.4
1847.1	35°	1854.6	1862.1	1895.6	1929.0	1969.6	2010.3	2039.3	2068.3	2047.2	2026.1
1766.5	37.5°	1758.2	1749.9	1774.0	1797.9	1838.4	1879.0	1914.9	1950.7	1941.0	1931.2
1678.3	40°	1659.5	1640.8	1658.1	1675.4	1714.5	1753.7	1794.9	1836.2	1838.6	1840.9
1584.5	42.5°	1559.6	1534.8	1548.9	1563.1	1600.1	1637.3	1681.9	1726.4	1738.3	1750.3
1491.3	45°	1467.0	1442.9	1454.7	1466.7	1501.9	1537.2	1583.4	1629.6	1646.7	1663.7
1408.1	47.5°	1387.8	1367.5	1378.7	1389.7	1424.2	1458.6	1504.2	1549.8	1569.5	1589.2
1334.8	50°	1316.8	1298.9	1316.3	1333.8	1366.3	1398.8	1439.6	1480.4	1505.7	1530.9
1280.2	52.5°	1262.4	1244.7	1270.9	1297.0	1326.9	1356.6	1394.6	1432.7	1462.7	1492.6
1251.2	55°	1223.1	1195.0	1232.2	1269.3	1301.4	1333.5	1366.8	1400.1	1431.8	1463.6
1233.8	57.5°	1192.8	1151.8	1191.8	1231.8	1269.5	1307.2	1340.1	1373.2	1405.2	1437.1
1217.5	60°	1164.3	1111.1	1146.2	1181.2	1224.5	1267.8	1301.3	1334.8	1366.9	1399.1
1198.4	62.5°	1131.9	1065.5	1087.8	1110.0	1160.5	1211.0	1246.8	1282.5	1311.9	1341.4
1158.2	65°	1087.5	1016.8	1025.4	1033.9	1088.0	1142.1	1176.3	1210.5	1236.4	1262.3
1086.5	67.5°	1027.7	968.8	966.1	963.4	1013.4	1063.4	1095.8	1128.2	1150.5	1172.9
995.6	70°	953.7	911.9	902.5	893.2	937.1	981.1	1009.0	1037.0	1057.2	1077.4
894.2	72.5°	865.5	836.8	823.2	809.6	844.2	878.7	904.0	929.3	949.0	968.8
779.2	75°	757.2	735.0	722.0	708.8	734.5	760.2	783.1	806.0	824.0	842.0
664.0	77.5°	646.3	628.6	615.4	602.1	623.0	643.8	663.5	683.2	702.2	721.0
532.7	80°	517.9	503.0	491.9	480.7	498.1	515.4	532.0	548.5	562.9	577.2
391.8	82.5°	384.5	377.3	369.4	361.5	360.1	358.6	352.8	347.0	377.7	408.4
258.0	85°	250.2	242.4	233.6	224.8	217.3	209.8	193.7	177.7	206.4	235.2
114.0	87.5°	110.8	107.7	106.1	104.4	104.1	103.8	91.6	79.3	91.3	103.4
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2499.2	2.5°	2489.4	2481.7	2474.1	2467.0	2459.9	2451.1	2459.9	2467.0	2474.1	2481.7
2351.5	5°	2338.0	2328.3	2318.7	2311.3	2304.0	2296.7	2304.0	2311.3	2318.7	2328.3
2262.9	7.5°	2246.8	2235.7	2224.7	2218.1	2211.6	2206.6	2211.6	2218.1	2224.7	2235.7
2237.5	10°	2219.2	2208.8	2198.3	2192.7	2187.1	2184.8	2187.1	2192.7	2198.3	2208.8
2283.3	12.5°	2259.9	2248.2	2236.6	2231.9	2227.1	2226.3	2227.1	2231.9	2236.6	2248.2
2379.6	15°	2344.2	2327.9	2311.7	2305.5	2299.3	2298.8	2299.3	2305.5	2311.7	2327.9
2477.4	17.5°	2425.2	2401.1	2377.0	2369.1	2361.2	2359.9	2361.2	2369.1	2377.0	2401.1
2538.3	20°	2474.4	2443.6	2412.7	2402.9	2393.1	2390.0	2393.1	2402.9	2412.7	2443.6
2542.1	22.5°	2476.1	2443.7	2411.2	2400.3	2389.4	2384.8	2389.4	2400.3	2411.2	2443.7
2484.4	25°	2426.0	2397.8	2369.8	2359.5	2349.3	2343.3	2349.3	2359.5	2369.8	2397.8
2373.3	27.5°	2327.8	2308.9	2290.0	2285.3	2280.7	2279.1	2280.7	2285.3	2290.0	2308.9
2239.5	30°	2206.8	2197.2	2187.4	2187.4	2187.4	2189.0	2187.4	2187.4	2187.4	2197.2
2111.4	32.5°	2085.4	2079.1	2072.7	2073.6	2074.5	2076.1	2074.5	2073.6	2072.7	2079.1
2002.1	35°	1978.2	1968.5	1959.0	1956.9	1954.9	1953.8	1954.9	1956.9	1959.0	1968.5
1909.2	37.5°	1887.0	1869.5	1852.1	1842.9	1833.6	1828.5	1833.6	1842.9	1852.1	1869.5
1822.1	40°	1803.4	1777.9	1752.6	1735.4	1718.4	1708.3	1718.4	1735.4	1752.6	1777.9
1734.4	42.5°	1718.7	1687.1	1655.5	1630.5	1605.5	1589.2	1605.5	1630.5	1655.5	1687.1
1649.5	45°	1635.3	1599.1	1563.1	1533.7	1504.4	1485.6	1504.4	1533.7	1563.1	1599.1
1579.2	47.5°	1569.3	1537.2	1505.0	1477.9	1450.9	1432.7	1450.9	1477.9	1505.0	1537.2
1530.3	50°	1529.9	1504.2	1478.5	1453.4	1428.4	1411.0	1428.4	1453.4	1478.5	1504.2
1498.0	52.5°	1503.4	1482.5	1461.5	1439.0	1416.7	1400.6	1416.7	1439.0	1461.5	1482.5
1471.1	55°	1478.5	1460.3	1442.1	1422.4	1402.7	1388.2	1402.7	1422.4	1442.1	1460.3
1444.6	57.5°	1452.2	1433.8	1415.3	1395.8	1376.3	1361.2	1376.3	1395.8	1415.3	1433.8
1407.3	60°	1415.6	1397.6	1379.7	1359.6	1339.5	1324.0	1339.5	1359.6	1379.7	1397.6
1349.3	62.5°	1357.3	1341.0	1324.8	1303.6	1282.5	1263.9	1282.5	1303.6	1324.8	1341.0
1270.5	65°	1278.6	1262.9	1247.3	1226.8	1206.4	1190.3	1206.4	1226.8	1247.3	1262.9
1180.9	67.5°	1188.8	1174.4	1160.1	1141.0	1121.9	1107.4	1121.9	1141.0	1160.1	1174.4
1085.1	70°	1092.7	1081.0	1069.3	1051.1	1032.9	1016.3	1032.9	1051.1	1069.3	1081.0
977.9	72.5°	987.1	977.3	967.6	950.2	932.9	916.8	932.9	950.2	967.6	977.3
851.6	75°	861.1	856.3	851.6	837.0	822.3	807.0	822.3	837.0	851.6	856.3
729.9	77.5°	738.8	732.2	725.4	710.7	696.0	683.7	696.0	710.7	725.4	732.2
589.0	80°	600.9	598.0	595.2	575.4	555.5	532.5	555.5	575.4	595.2	598.0
428.5	82.5°	448.6	447.3	446.0	429.3	412.5	397.8	412.5	429.3	446.0	447.3
260.0	85°	284.9	282.8	280.7	267.7	254.6	241.4	254.6	267.7	280.7	282.8
113.4	87.5°	123.5	121.0	118.3	111.7	104.8	98.4	104.8	111.7	118.3	121.0
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2489.4	2.5°	2499.2	2509.1	2521.3	2533.4	2549.1	2564.8	2580.5	2596.1	2613.9	2631.9
2338.0	5°	2351.5	2365.1	2384.6	2403.9	2429.2	2454.4	2482.2	2509.9	2541.3	2572.8
2246.8	7.5°	2262.9	2279.1	2302.1	2325.2	2356.0	2386.8	2421.9	2456.8	2498.2	2539.7
2219.2	10°	2237.5	2255.5	2283.1	2310.7	2345.4	2380.1	2417.8	2455.4	2496.9	2538.3
2259.9	12.5°	2283.3	2306.6	2341.8	2377.0	2412.8	2448.8	2478.2	2507.8	2535.2	2562.8
2344.2	15°	2379.6	2415.0	2465.2	2515.3	2546.5	2577.7	2585.3	2593.0	2589.3	2585.5
2425.2	17.5°	2477.4	2529.6	2596.0	2662.4	2687.5	2712.7	2688.7	2664.7	2619.5	2574.4
2474.4	20°	2538.3	2602.3	2678.2	2754.1	2765.8	2777.4	2727.2	2676.9	2598.4	2520.0
2476.1	22.5°	2542.1	2608.0	2680.5	2753.1	2746.1	2739.1	2673.7	2608.3	2518.6	2429.1
2426.0	25°	2484.4	2543.1	2602.4	2661.9	2638.0	2613.9	2549.6	2485.3	2404.7	2324.2
2327.8	27.5°	2373.3	2418.8	2461.0	2503.4	2476.6	2449.8	2398.2	2346.7	2280.6	2214.4
2206.8	30°	2239.5	2272.1	2304.4	2336.6	2314.8	2293.1	2250.2	2207.4	2152.5	2097.6
2085.4	32.5°	2111.4	2137.4	2167.1	2196.7	2172.5	2148.4	2107.2	2066.2	2022.3	1978.5
1978.2	35°	2002.1	2026.1	2047.2	2068.3	2039.3	2010.3	1969.6	1929.0	1895.6	1862.1
1887.0	37.5°	1909.2	1931.2	1941.0	1950.7	1914.9	1879.0	1838.4	1797.9	1774.0	1749.9
1803.4	40°	1822.1	1840.9	1838.6	1836.2	1794.9	1753.7	1714.5	1675.4	1658.1	1640.8
1718.7	42.5°	1734.4	1750.3	1738.3	1726.4	1681.9	1637.3	1600.1	1563.1	1548.9	1534.8
1635.3	45°	1649.5	1663.7	1646.7	1629.6	1583.4	1537.2	1501.9	1466.7	1454.7	1442.9
1569.3	47.5°	1579.2	1589.2	1569.5	1549.8	1504.2	1458.6	1424.2	1389.7	1378.7	1367.5
1529.9	50°	1530.3	1530.9	1505.7	1480.4	1439.6	1398.8	1366.3	1333.8	1316.3	1298.9
1503.4	52.5°	1498.0	1492.6	1462.7	1432.7	1394.6	1356.6	1326.9	1297.0	1270.9	1244.7
1478.5	55°	1471.1	1463.6	1431.8	1400.1	1366.8	1333.5	1301.4	1269.3	1232.2	1195.0
1452.2	57.5°	1444.6	1437.1	1405.2	1373.2	1340.1	1307.2	1269.5	1231.8	1191.8	1151.8
1415.6	60°	1407.3	1399.1	1366.9	1334.8	1301.3	1267.8	1224.5	1181.2	1146.2	1111.1
1357.3	62.5°	1349.3	1341.4	1311.9	1282.5	1246.8	1211.0	1160.5	1110.0	1087.8	1065.5
1278.6	65°	1270.5	1262.3	1236.4	1210.5	1176.3	1142.1	1088.0	1033.9	1025.4	1016.8
1188.8	67.5°	1180.9	1172.9	1150.5	1128.2	1095.8	1063.4	1013.4	963.4	966.1	968.8
1092.7	70°	1085.1	1077.4	1057.2	1037.0	1009.0	981.1	937.1	893.2	902.5	911.9
987.1	72.5°	977.9	968.8	949.0	929.3	904.0	878.7	844.2	809.6	823.2	836.8
861.1	75°	851.6	842.0	824.0	806.0	783.1	760.2	734.5	708.8	722.0	735.0
738.8	77.5°	729.9	721.0	702.2	683.2	663.5	643.8	623.0	602.1	615.4	628.6
600.9	80°	589.0	577.2	562.9	548.5	532.0	515.4	498.1	480.7	491.9	503.0
448.6	82.5°	428.5	408.4	377.7	347.0	352.8	358.6	360.1	361.5	369.4	377.3
284.9	85°	260.0	235.2	206.4	177.7	193.7	209.8	217.3	224.8	233.6	242.4
123.5	87.5°	113.4	103.4	91.3	79.3	91.6	103.8	104.1	104.4	106.1	107.7
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2651.6	2.5°	2671.5	2696.1	2718.1	2740.9	2763.7	2787.6	2811.4	2835.0	2858.7	2881.0
2610.4	5°	2647.9	2690.9	2734.4	2780.5	2826.6	2875.9	2925.3	2974.3	3023.4	3072.7
2589.5	7.5°	2639.4	2695.0	2754.4	2818.7	2883.1	2956.1	3029.1	3104.1	3179.1	3260.3
2590.9	10°	2643.6	2703.3	2776.6	2852.8	2928.9	3017.6	3106.3	3205.4	3304.5	3407.2
2605.6	12.5°	2648.7	2704.4	2781.3	2867.4	2953.5	3058.1	3162.8	3275.1	3387.4	3500.1
2606.1	15°	2626.7	2671.2	2756.5	2856.1	2955.8	3076.3	3196.8	3318.6	3440.4	3558.0
2566.9	17.5°	2559.3	2586.8	2687.1	2806.9	2926.8	3066.6	3206.5	3339.4	3472.3	3591.6
2484.7	20°	2449.5	2456.8	2573.5	2722.1	2870.6	3040.1	3209.6	3355.7	3501.7	3625.7
2377.0	22.5°	2324.9	2310.7	2443.6	2622.5	2801.4	3007.6	3213.7	3377.6	3541.4	3668.1
2264.1	25°	2204.0	2165.7	2301.9	2511.4	2720.9	2975.5	3230.1	3417.4	3604.6	3728.6
2156.3	27.5°	2098.3	2051.7	2175.7	2409.7	2643.8	2954.0	3264.3	3479.6	3694.7	3813.2
2051.4	30°	2005.4	1968.8	2073.0	2324.8	2576.6	2944.0	3311.1	3560.1	3809.0	3923.3
1951.2	32.5°	1924.0	1907.7	1991.6	2251.6	2511.4	2931.6	3351.5	3644.1	3936.6	4049.8
1854.6	35°	1847.1	1853.8	1923.8	2179.6	2435.3	2908.1	3381.2	3739.8	4098.5	4206.9
1758.2	37.5°	1766.5	1791.2	1852.3	2094.8	2337.3	2868.0	3398.8	3847.0	4295.3	4433.5
1659.5	40°	1678.3	1716.1	1771.5	1993.7	2215.9	2812.8	3409.9	3983.2	4556.4	4757.7
1559.6	42.5°	1584.5	1632.2	1683.2	1882.1	2081.0	2755.9	3430.9	4161.2	4891.6	5182.3
1467.0	45°	1491.3	1537.4	1589.2	1763.6	1938.1	2702.9	3467.9	4395.6	5323.3	5715.4
1387.8	47.5°	1408.1	1447.8	1514.6	1669.9	1825.2	2659.2	3493.3	4645.2	5797.2	6349.2
1316.8	50°	1334.8	1380.9	1468.8	1607.6	1746.4	2611.5	3476.7	4876.9	6277.1	7109.2
1262.4	52.5°	1280.2	1344.7	1445.7	1566.6	1687.6	2531.1	3374.6	5027.3	6679.9	7907.5
1223.1	55°	1251.2	1348.3	1442.3	1536.8	1631.4	2397.6	3163.8	4994.1	6824.4	8615.2
1192.8	57.5°	1233.8	1351.9	1434.8	1501.6	1568.4	2209.5	2850.4	4760.8	6671.4	9116.8
1164.3	60°	1217.5	1340.5	1395.2	1447.8	1500.3	1965.2	2430.2	4326.7	6223.2	9242.2
1131.9	62.5°	1198.4	1312.6	1319.3	1354.1	1389.0	1672.9	1956.7	3739.6	5522.5	8714.4
1087.5	65°	1158.2	1245.2	1244.4	1260.9	1277.3	1409.8	1542.3	3140.6	4739.0	7967.6
1027.7	67.5°	1086.5	1135.4	1137.7	1128.6	1119.4	1157.1	1194.7	2553.8	3913.0	7078.8
953.7	70°	995.6	1011.6	1011.6	969.0	926.4	915.7	904.9	2010.8	3116.7	6109.0
865.5	72.5°	894.2	894.0	883.9	823.5	763.0	730.5	698.0	1537.3	2376.5	5057.8
757.2	75°	779.2	783.2	736.4	668.6	600.9	571.4	542.0	1115.7	1689.4	3852.6
646.3	77.5°	664.0	666.1	588.9	523.2	457.4	437.3	417.3	756.0	1094.8	2696.5
517.9	80°	532.7	533.0	440.8	385.2	329.4	321.1	312.9	487.1	661.5	1737.3
384.5	82.5°	391.8	387.4	308.7	267.7	226.7	225.0	223.6	299.6	375.8	1005.5
250.2	85°	258.0	252.3	193.7	163.7	133.6	134.5	135.2	160.2	185.2	452.3
110.8	87.5°	114.0	106.7	82.4	70.0	57.8	58.5	59.3	66.4	73.6	148.1
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2903.3	2.5°	2914.3	2925.3	2941.0	2956.6	2965.9	2975.3	2979.9	2984.6	2982.5	2984.6
3121.9	5°	3160.3	3198.8	3237.0	3275.2	3295.9	3316.6	3329.2	3341.8	3351.3	3341.8
3341.5	7.5°	3404.1	3466.5	3522.8	3579.0	3612.9	3646.8	3665.1	3683.3	3692.2	3683.3
3509.8	10°	3583.8	3657.8	3723.8	3789.7	3829.7	3869.5	3887.3	3905.0	3911.8	3905.0
3612.9	12.5°	3693.1	3773.2	3832.8	3892.3	3921.3	3950.3	3960.1	3969.8	3970.8	3969.8
3675.6	15°	3744.8	3813.9	3851.3	3888.8	3889.8	3890.9	3880.5	3870.1	3857.9	3870.1
3710.8	17.5°	3757.5	3804.2	3805.0	3805.6	3763.6	3721.7	3683.2	3644.7	3617.6	3644.7
3749.7	20°	3765.9	3782.3	3733.1	3683.9	3591.3	3498.6	3431.2	3363.8	3322.3	3363.8
3794.7	22.5°	3773.4	3752.0	3650.1	3548.2	3411.9	3275.7	3191.4	3107.0	3061.3	3107.0
3852.7	25°	3785.4	3718.1	3563.3	3408.5	3243.1	3077.6	2988.9	2900.5	2857.2	2900.5
3931.5	27.5°	3811.1	3690.6	3485.6	3280.7	3097.3	2913.9	2826.7	2739.6	2698.7	2739.6
4037.6	30°	3858.1	3678.7	3426.3	3174.0	2982.9	2791.9	2711.0	2630.1	2592.0	2630.1
4163.0	32.5°	3917.2	3671.4	3385.9	3100.4	2920.9	2741.4	2677.8	2614.2	2586.8	2614.2
4315.3	35°	4014.4	3713.7	3416.2	3118.8	2994.0	2869.4	2854.6	2839.8	2837.5	2839.8
4571.7	37.5°	4217.8	3863.9	3593.5	3323.1	3315.1	3307.0	3374.7	3442.5	3477.7	3442.5
4959.1	40°	4574.3	4189.4	3988.3	3787.3	3929.2	4071.1	4235.8	4400.5	4482.6	4400.5
5473.0	42.5°	5091.1	4709.3	4593.4	4477.6	4787.2	5096.7	5396.3	5695.9	5871.8	5695.9
6107.5	45°	5764.5	5421.4	5370.3	5319.1	5815.0	6311.1	6803.3	7295.7	7594.6	7295.7
6901.0	47.5°	6567.4	6233.6	6223.2	6212.8	6928.3	7643.5	8364.2	9084.8	9508.0	9084.8
7941.1	50°	7528.9	7116.8	7118.6	7120.3	8042.3	8964.4	9915.7	10867.0	11442.2	10867.0
9135.1	52.5°	8636.0	8136.9	8086.5	8035.9	9137.3	10238.6	11415.6	12592.6	13282.0	12592.6
10406.2	55°	9913.1	9420.0	9223.2	9026.5	10252.3	11477.9	12881.1	14284.3	15104.3	14284.3
11562.3	57.5°	11293.8	11025.2	10630.6	10236.1	11473.8	12711.4	14300.8	15890.0	16906.8	15890.0
12261.1	60°	12678.2	13095.3	12605.3	12115.3	13286.6	14457.8	16159.5	17861.2	18960.1	17861.2
11906.3	62.5°	13045.9	14185.6	14130.4	14075.0	15148.0	16221.0	17840.0	19458.9	20474.7	19458.9
11196.1	65°	12265.7	13335.4	13547.0	13758.6	15122.1	16485.7	18055.6	19625.4	20490.2	19625.4
10244.6	67.5°	11261.9	12279.2	12378.5	12477.6	13898.3	15318.9	16895.5	18472.2	19149.7	18472.2
9101.4	70°	10207.9	11314.5	11358.9	11403.3	12673.8	13944.2	15301.0	16657.7	17034.3	16657.7
7739.1	72.5°	9008.9	10278.8	10310.7	10342.5	11336.5	12330.5	13346.7	14362.7	14400.9	14362.7
6015.8	75°	7330.0	8644.2	8762.2	8880.2	9653.6	10426.9	11142.2	11857.6	11665.9	11857.6
4298.2	77.5°	5525.0	6751.9	6920.7	7089.6	7677.5	8265.4	8772.7	9280.1	8950.7	9280.1
2813.1	80°	3845.3	4877.3	5087.2	5297.1	5741.1	6184.9	6451.3	6717.7	6187.8	6717.7
1635.3	82.5°	2340.9	3046.5	3281.0	3515.5	3821.1	4126.7	4237.9	4349.0	3932.5	4349.0
719.5	85°	1094.0	1468.5	1667.9	1867.3	2118.4	2369.4	2432.5	2495.6	2162.0	2495.6
222.7	87.5°	348.6	474.5	585.7	697.0	822.6	948.1	953.5	958.8	804.9	958.8
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2979.9	2.5°	2975.3	2965.9	2956.6	2941.0	2925.3	2914.3	2903.3
3329.2	5°	3316.6	3295.9	3275.2	3237.0	3198.8	3160.3	3121.9
3665.1	7.5°	3646.8	3612.9	3579.0	3522.8	3466.5	3404.1	3341.5
3887.3	10°	3869.5	3829.7	3789.7	3723.8	3657.8	3583.8	3509.8
3960.1	12.5°	3950.3	3921.3	3892.3	3832.8	3773.2	3693.1	3612.9
3880.5	15°	3890.9	3889.8	3888.8	3851.3	3813.9	3744.8	3675.6
3683.2	17.5°	3721.7	3763.6	3805.6	3805.0	3804.2	3757.5	3710.8
3431.2	20°	3498.6	3591.3	3683.9	3733.1	3782.3	3765.9	3749.7
3191.4	22.5°	3275.7	3411.9	3548.2	3650.1	3752.0	3773.4	3794.7
2988.9	25°	3077.6	3243.1	3408.5	3563.3	3718.1	3785.4	3852.7
2826.7	27.5°	2913.9	3097.3	3280.7	3485.6	3690.6	3811.1	3931.5
2711.0	30°	2791.9	2982.9	3174.0	3426.3	3678.7	3858.1	4037.6
2677.8	32.5°	2741.4	2920.9	3100.4	3385.9	3671.4	3917.2	4163.0
2854.6	35°	2869.4	2994.0	3118.8	3416.2	3713.7	4014.4	4315.3
3374.7	37.5°	3307.0	3315.1	3323.1	3593.5	3863.9	4217.8	4571.7
4235.8	40°	4071.1	3929.2	3787.3	3988.3	4189.4	4574.3	4959.1
5396.3	42.5°	5096.7	4787.2	4477.6	4593.4	4709.3	5091.1	5473.0
6803.3	45°	6311.1	5815.0	5319.1	5370.3	5421.4	5764.5	6107.5
8364.2	47.5°	7643.5	6928.3	6212.8	6223.2	6233.6	6567.4	6901.0
9915.7	50°	8964.4	8042.3	7120.3	7118.6	7116.8	7528.9	7941.1
11415.6	52.5°	10238.6	9137.3	8035.9	8086.5	8136.9	8636.0	9135.1
12881.1	55°	11477.9	10252.3	9026.5	9223.2	9420.0	9913.1	10406.2
14300.8	57.5°	12711.4	11473.8	10236.1	10630.6	11025.2	11293.8	11562.3
16159.5	60°	14457.8	13286.6	12115.3	12605.3	13095.3	12678.2	12261.1
17840.0	62.5°	16221.0	15148.0	14075.0	14130.4	14185.6	13045.9	11906.3
18055.6	65°	16485.7	15122.1	13758.6	13547.0	13335.4	12265.7	11196.1
16895.5	67.5°	15318.9	13898.3	12477.6	12378.5	12279.2	11261.9	10244.6
15301.0	70°	13944.2	12673.8	11403.3	11358.9	11314.5	10207.9	9101.4
13346.7	72.5°	12330.5	11336.5	10342.5	10310.7	10278.8	9008.9	7739.1
11142.2	75°	10426.9	9653.6	8880.2	8762.2	8644.2	7330.0	6015.8
8772.7	77.5°	8265.4	7677.5	7089.6	6920.7	6751.9	5525.0	4298.2
6451.3	80°	6184.9	5741.1	5297.1	5087.2	4877.3	3845.3	2813.1
4237.9	82.5°	4126.7	3821.1	3515.5	3281.0	3046.5	2340.9	1635.3
2432.5	85°	2369.4	2118.4	1867.3	1667.9	1468.5	1094.0	719.5
953.5	87.5°	948.1	822.6	697.0	585.7	474.5	348.6	222.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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