

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: P950092

Luminaire Tested: **GALN-SB4C-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950092
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-SB4C-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18204 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

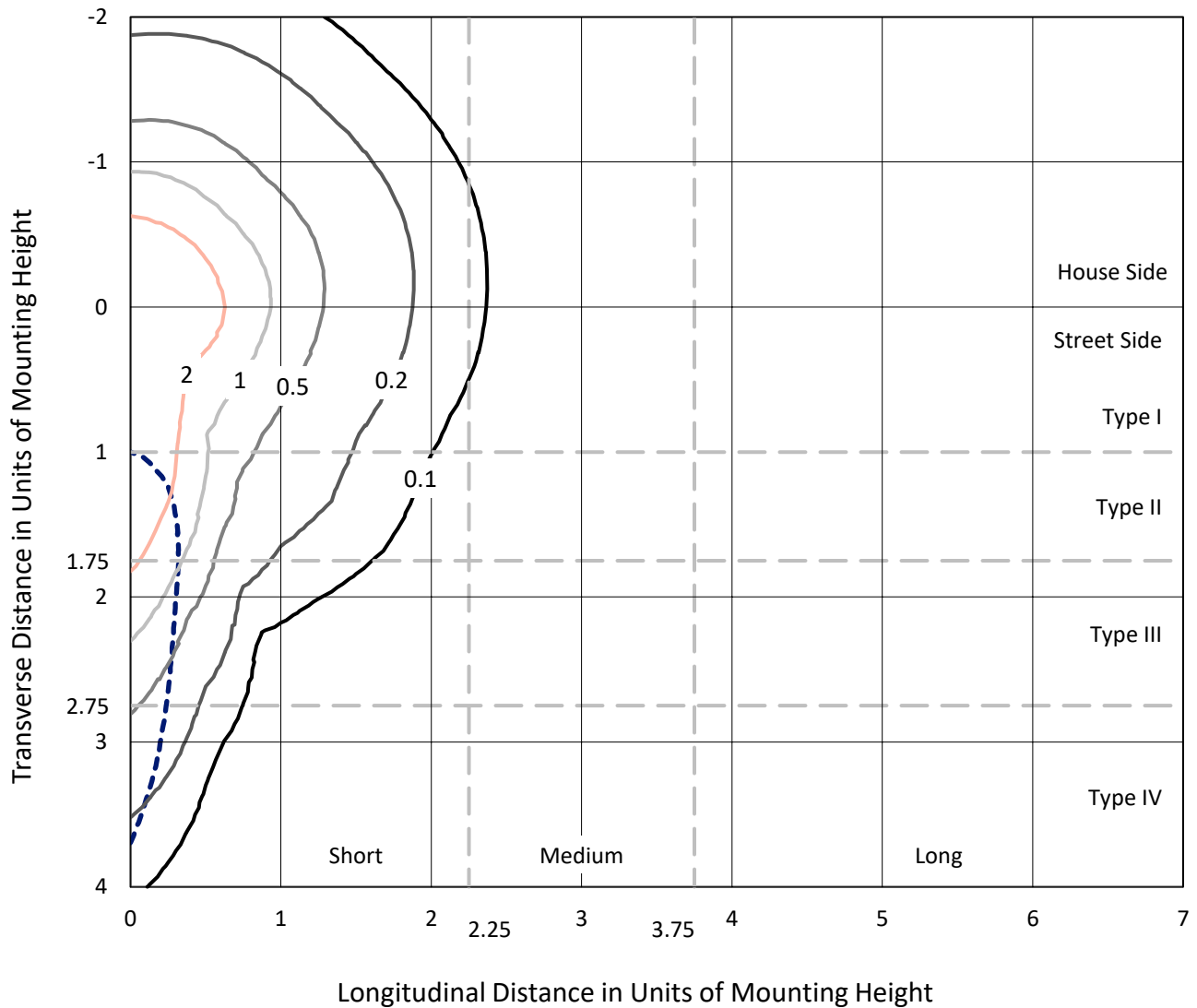
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

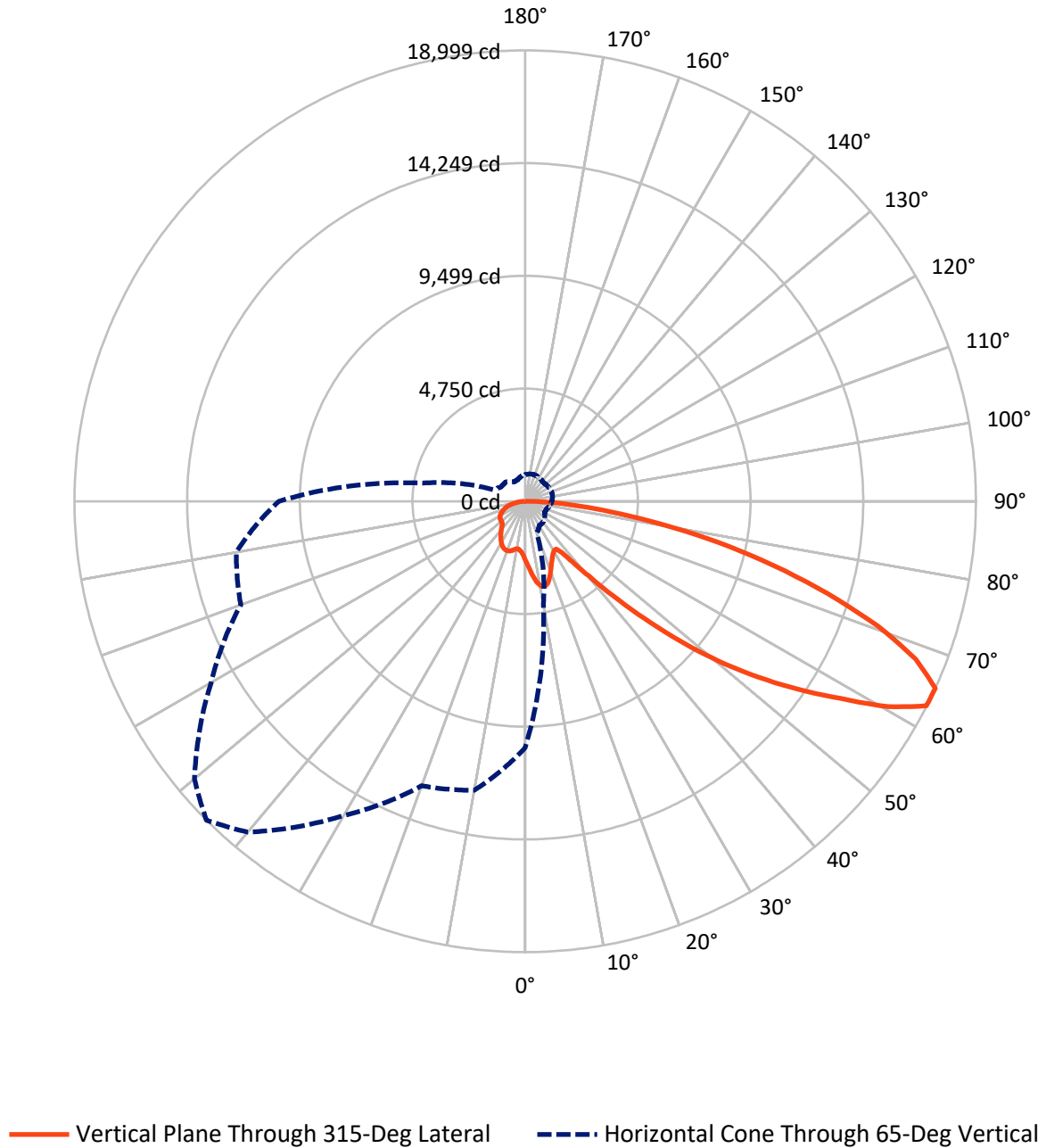
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	4626.5	0.0	4626.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13577.5	0.0	13577.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	18204.0	0.0	18204.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	1.4
10°-20°	779.5	4.3
20°-30°	1204.1	6.6
30°-40°	1525.9	8.4
40°-50°	2301.4	12.6
50°-60°	3718.3	20.4
60°-70°	4635.4	25.5
70°-80°	3039.7	16.7
80°-90°	751.5	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°	18204.0	100.0
0°-180°	18204.0	100.0

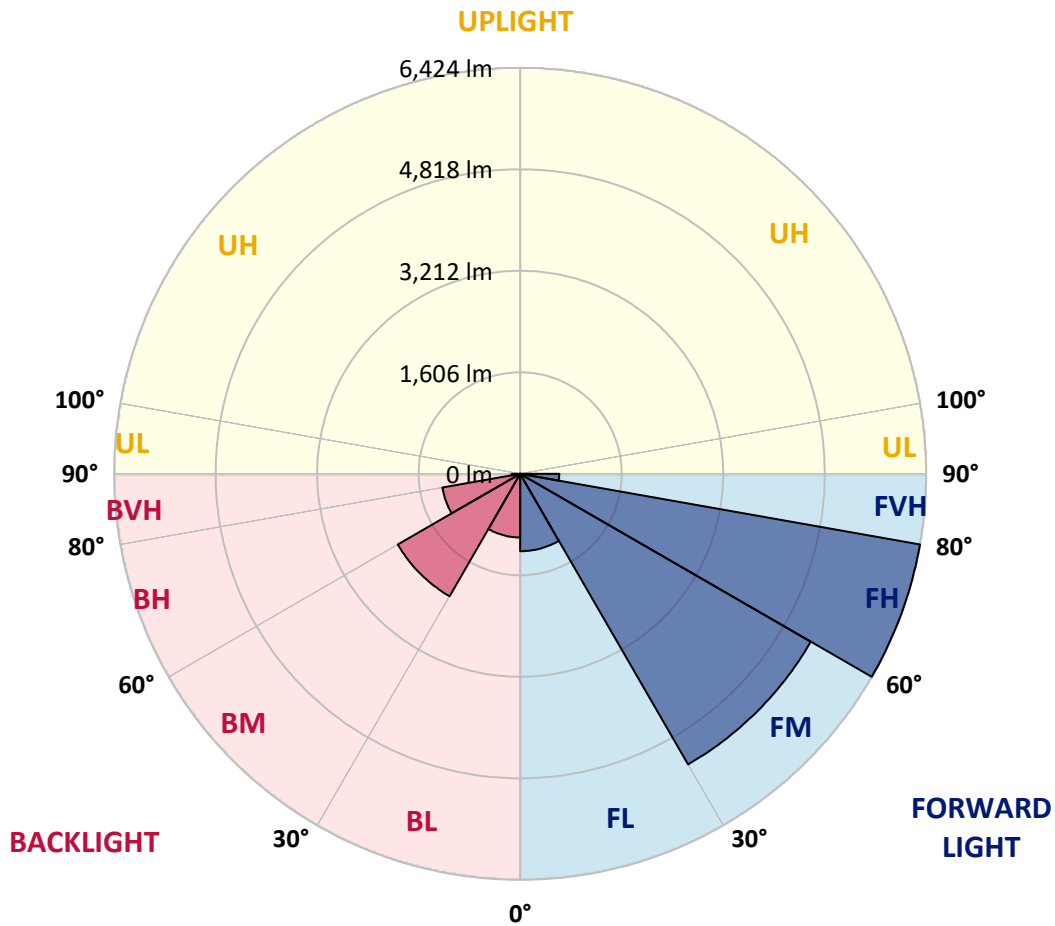


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1224.4	6.7			
FM (30°-60°)	5309.7	29.2			
FH (60°-80°)	6424.3	35.3			G3/7500
FVH (80°-90°)	619.1	3.4			G4/750
BL (0°-30°)	1007.5	5.5	B3/2500		
BM (30°-60°)	2235.8	12.3	B2/2500		
BH (60°-80°)	1250.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	132.4	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°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2.5°	2692.0	2671.3	2650.7	2628.7	2606.8	2584.7	2562.6	2541.4	2520.3	2499.8
5°	2894.6	2849.0	2803.4	2757.8	2712.4	2666.6	2620.9	2578.1	2535.4	2495.0
7.5°	3098.3	3023.0	2947.8	2878.2	2808.7	2740.9	2673.2	2613.6	2553.9	2498.9
10°	3254.4	3159.2	3064.0	2972.1	2880.2	2798.0	2715.7	2645.2	2574.5	2506.6
12.5°	3349.9	3245.3	3140.8	3036.7	2932.6	2835.6	2738.5	2658.7	2578.9	2507.5
15°	3408.0	3299.0	3190.0	3077.0	2964.1	2852.4	2740.7	2648.3	2555.8	2476.8
17.5°	3440.7	3330.1	3219.6	3096.3	2973.1	2843.4	2713.8	2602.6	2491.5	2398.5
20°	3476.7	3361.8	3246.9	3111.4	2976.0	2818.8	2661.7	2524.0	2386.2	2278.0
22.5°	3518.5	3401.1	3283.7	3131.8	2979.8	2788.7	2597.5	2431.6	2265.8	2142.5
25°	3572.3	3457.2	3342.3	3168.7	2995.0	2758.9	2522.9	2328.6	2134.4	2008.0
27.5°	3645.3	3535.6	3425.8	3226.3	3026.7	2739.0	2451.3	2234.3	2017.4	1902.4
30°	3743.8	3637.7	3531.8	3300.9	3070.1	2729.7	2389.1	2155.6	1922.1	1825.5
32.5°	3860.0	3755.0	3650.1	3378.8	3107.6	2718.2	2328.6	2087.7	1846.7	1768.9
35°	4001.2	3900.7	3800.1	3467.6	3135.1	2696.5	2258.1	2020.9	1783.8	1718.9
37.5°	4238.9	4110.8	3982.7	3567.0	3151.4	2659.3	2167.2	1942.3	1717.5	1660.8
40°	4598.2	4411.4	4224.7	3693.2	3161.7	2608.1	2054.6	1848.6	1642.5	1591.2
42.5°	5074.6	4805.1	4535.5	3858.4	3181.2	2555.3	1929.6	1745.1	1560.7	1513.4
45°	5663.0	5299.4	4935.8	4075.6	3215.5	2506.2	1797.0	1635.2	1473.5	1425.5
47.5°	6398.7	5887.1	5375.3	4307.1	3239.0	2465.6	1692.3	1548.3	1404.3	1342.4
50°	7363.1	6591.7	5820.2	4521.9	3223.6	2421.5	1619.3	1490.6	1361.9	1280.4
52.5°	8470.2	7331.9	6193.7	4661.4	3129.0	2346.8	1564.7	1452.6	1340.5	1246.8
55°	9648.8	7988.2	6327.7	4630.6	2933.5	2223.1	1512.7	1425.0	1337.3	1250.2
57.5°	10720.8	8453.3	6185.8	4414.3	2643.0	2048.7	1454.3	1392.3	1330.4	1253.5
60°	11368.7	8569.5	5770.2	4011.8	2253.3	1822.2	1391.1	1342.4	1293.7	1243.0
62.5°	11039.7	8080.1	5120.5	3467.4	1814.3	1551.1	1287.9	1255.5	1223.3	1217.0
65°	10381.2	7387.6	4394.1	2912.0	1430.1	1307.2	1184.4	1169.1	1153.8	1154.6
67.5°	9498.9	6563.6	3628.2	2368.0	1107.7	1072.8	1037.9	1046.4	1054.9	1052.8
70°	8439.0	5664.4	2889.8	1864.4	839.0	849.0	858.9	898.5	938.0	938.0
72.5°	7175.8	4689.6	2203.5	1425.4	647.2	677.3	707.4	763.5	819.5	829.0
75°	5577.9	3572.2	1566.5	1034.5	502.6	529.8	557.1	619.9	682.8	726.2
77.5°	3985.3	2500.2	1015.1	701.0	386.9	405.5	424.1	485.1	546.1	617.6
80°	2608.4	1610.9	613.3	451.7	290.1	297.8	305.5	357.1	408.7	494.2
82.5°	1516.2	932.3	348.5	277.8	207.3	208.6	210.2	248.2	286.2	359.2
85°	667.1	419.4	171.7	148.5	125.4	124.7	123.9	151.8	179.6	233.9
87.5°	206.5	137.4	68.2	61.6	54.9	54.3	53.6	64.9	76.4	98.9
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°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2477.1	2.5°	2458.6	2440.3	2423.7	2407.2	2392.6	2378.1	2363.5	2349.0	2337.8	2326.5
2455.2	5°	2420.4	2385.5	2356.3	2327.2	2301.5	2275.7	2252.4	2229.0	2211.0	2192.9
2447.3	7.5°	2401.0	2354.8	2316.4	2278.0	2245.6	2213.1	2184.5	2156.0	2134.5	2113.2
2451.1	10°	2402.3	2353.6	2315.1	2276.7	2241.8	2206.9	2174.7	2142.5	2117.0	2091.3
2455.9	12.5°	2416.0	2376.2	2350.7	2325.3	2297.8	2270.6	2237.2	2204.0	2171.3	2138.7
2435.5	15°	2416.4	2397.4	2400.8	2404.3	2397.2	2390.1	2361.1	2332.2	2285.7	2239.2
2373.1	17.5°	2380.1	2387.0	2428.9	2470.7	2493.0	2515.2	2491.9	2468.6	2407.1	2345.5
2271.2	20°	2303.9	2336.6	2409.3	2482.1	2528.7	2575.2	2564.5	2553.6	2483.2	2412.9
2155.7	22.5°	2204.0	2252.3	2335.3	2418.5	2479.1	2539.7	2546.2	2552.7	2485.4	2418.2
2043.6	25°	2099.3	2155.0	2229.6	2304.4	2364.0	2423.7	2446.0	2468.1	2413.0	2358.0
1945.6	27.5°	1999.4	2053.2	2114.6	2175.8	2223.7	2271.5	2296.3	2321.2	2281.9	2242.7
1859.4	30°	1902.1	1944.9	1995.8	2046.8	2086.4	2126.2	2146.4	2166.5	2136.7	2106.7
1783.9	32.5°	1809.2	1834.5	1875.1	1915.8	1953.9	1992.0	2014.4	2036.9	2009.4	1981.8
1712.7	35°	1719.6	1726.6	1757.6	1788.6	1826.2	1864.0	1890.9	1917.7	1898.2	1878.7
1637.9	37.5°	1630.3	1622.6	1644.9	1667.0	1704.6	1742.3	1775.5	1808.7	1799.7	1790.7
1556.1	40°	1538.7	1521.3	1537.4	1553.4	1589.7	1626.0	1664.3	1702.6	1704.8	1706.9
1469.2	42.5°	1446.1	1423.1	1436.1	1449.3	1483.7	1518.2	1559.5	1600.8	1611.8	1622.9
1382.7	45°	1360.2	1337.9	1348.8	1360.0	1392.6	1425.3	1468.1	1511.0	1526.8	1542.7
1305.6	47.5°	1286.8	1267.9	1278.3	1288.6	1320.6	1352.5	1394.7	1437.0	1455.2	1473.5
1237.7	50°	1221.0	1204.3	1220.5	1236.7	1266.9	1296.9	1334.8	1372.6	1396.1	1419.5
1187.1	52.5°	1170.5	1154.1	1178.4	1202.6	1230.3	1257.8	1293.1	1328.4	1356.2	1384.0
1160.2	55°	1134.0	1108.0	1142.5	1176.9	1206.6	1236.4	1267.4	1298.2	1327.6	1357.1
1144.0	57.5°	1106.0	1067.9	1105.0	1142.1	1177.1	1212.0	1242.6	1273.2	1302.9	1332.5
1128.8	60°	1079.6	1030.2	1062.8	1095.2	1135.4	1175.5	1206.6	1237.7	1267.5	1297.2
1111.2	62.5°	1049.5	987.9	1008.6	1029.2	1076.0	1122.9	1156.0	1189.2	1216.4	1243.7
1073.9	65°	1008.4	942.8	950.8	958.6	1008.8	1059.0	1090.7	1122.4	1146.4	1170.4
1007.4	67.5°	952.9	898.3	895.8	893.3	939.6	986.0	1016.1	1046.0	1066.8	1087.5
923.1	70°	884.3	845.5	836.8	828.2	868.9	909.6	935.6	961.5	980.2	999.0
829.2	72.5°	802.5	775.9	763.3	750.7	782.8	814.7	838.2	861.6	880.0	898.3
722.5	75°	702.1	681.5	669.4	657.2	681.0	704.9	726.1	747.3	764.0	780.7
615.7	77.5°	599.3	582.9	570.6	558.3	577.7	597.0	615.2	633.5	651.1	668.5
493.9	80°	480.2	466.3	456.1	445.7	461.8	477.9	493.2	508.6	522.0	535.2
363.3	82.5°	356.6	349.8	342.5	335.2	333.9	332.5	327.2	321.8	350.2	378.7
239.2	85°	232.0	224.8	216.6	208.4	201.5	194.5	179.6	164.7	191.3	218.0
105.7	87.5°	102.8	99.9	98.4	96.8	96.5	96.2	84.9	73.5	84.6	95.9
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°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2317.3	2.5°	2308.2	2301.1	2294.0	2287.5	2280.8	2272.7	2280.8	2287.5	2294.0	2301.1
2180.4	5°	2167.8	2158.8	2149.9	2143.1	2136.3	2129.6	2136.3	2143.1	2149.9	2158.8
2098.2	7.5°	2083.3	2073.0	2062.8	2056.6	2050.6	2046.0	2050.6	2056.6	2062.8	2073.0
2074.6	10°	2057.7	2048.0	2038.3	2033.1	2027.9	2025.8	2027.9	2033.1	2038.3	2048.0
2117.1	12.5°	2095.5	2084.6	2073.8	2069.4	2065.0	2064.2	2065.0	2069.4	2073.8	2084.6
2206.4	15°	2173.5	2158.5	2143.5	2137.7	2132.0	2131.5	2132.0	2137.7	2143.5	2158.5
2297.1	17.5°	2248.7	2226.4	2204.0	2196.7	2189.3	2188.1	2189.3	2196.7	2204.0	2226.4
2353.6	20°	2294.3	2265.8	2237.1	2228.0	2218.9	2216.0	2218.9	2228.0	2237.1	2265.8
2357.1	22.5°	2295.9	2265.9	2235.7	2225.6	2215.5	2211.2	2215.5	2225.6	2235.7	2265.9
2303.6	25°	2249.4	2223.3	2197.3	2187.8	2178.3	2172.8	2178.3	2187.8	2197.3	2223.3
2200.5	27.5°	2158.4	2140.9	2123.3	2119.0	2114.7	2113.2	2114.7	2119.0	2123.3	2140.9
2076.5	30°	2046.2	2037.2	2028.2	2028.2	2028.2	2029.7	2028.2	2028.2	2028.2	2037.2
1957.7	32.5°	1933.6	1927.7	1921.9	1922.6	1923.5	1925.0	1923.5	1922.6	1921.9	1927.7
1856.4	35°	1834.2	1825.2	1816.4	1814.5	1812.6	1811.6	1812.6	1814.5	1816.4	1825.2
1770.2	37.5°	1749.7	1733.4	1717.3	1708.7	1700.2	1695.4	1700.2	1708.7	1717.3	1733.4
1689.5	40°	1672.1	1648.5	1625.1	1609.1	1593.4	1584.0	1593.4	1609.1	1625.1	1648.5
1608.2	42.5°	1593.6	1564.3	1535.0	1511.8	1488.7	1473.5	1488.7	1511.8	1535.0	1564.3
1529.4	45°	1516.2	1482.7	1449.3	1422.1	1394.9	1377.4	1394.9	1422.1	1449.3	1482.7
1464.3	47.5°	1455.0	1425.3	1395.5	1370.3	1345.3	1328.4	1345.3	1370.3	1395.5	1425.3
1418.9	50°	1418.5	1394.7	1370.9	1347.7	1324.4	1308.3	1324.4	1347.7	1370.9	1394.7
1389.0	52.5°	1394.0	1374.6	1355.2	1334.3	1313.6	1298.7	1313.6	1334.3	1355.2	1374.6
1364.0	55°	1370.9	1354.0	1337.1	1318.8	1300.6	1287.1	1300.6	1318.8	1337.1	1354.0
1339.5	57.5°	1346.5	1329.4	1312.3	1294.3	1276.1	1262.2	1276.1	1294.3	1312.3	1329.4
1304.9	60°	1312.6	1295.9	1279.3	1260.6	1242.0	1227.6	1242.0	1260.6	1279.3	1295.9
1251.1	62.5°	1258.5	1243.4	1228.4	1208.8	1189.2	1171.9	1189.2	1208.8	1228.4	1243.4
1178.0	65°	1185.5	1171.0	1156.5	1137.5	1118.6	1103.7	1118.6	1137.5	1156.5	1171.0
1094.9	67.5°	1102.2	1088.9	1075.6	1058.0	1040.3	1026.8	1040.3	1058.0	1075.6	1088.9
1006.1	70°	1013.2	1002.3	991.5	974.6	957.7	942.3	957.7	974.6	991.5	1002.3
906.8	72.5°	915.2	906.2	897.2	881.0	865.0	850.1	865.0	881.0	897.2	906.2
789.6	75°	798.4	794.0	789.6	776.0	762.5	748.3	762.5	776.0	789.6	794.0
676.8	77.5°	685.1	678.9	672.6	658.9	645.3	634.0	645.3	658.9	672.6	678.9
546.2	80°	557.1	554.4	551.8	533.5	515.0	493.7	515.0	533.5	551.8	554.4
397.3	82.5°	415.9	414.8	413.5	398.1	382.5	368.9	382.5	398.1	413.5	414.8
241.1	85°	264.2	262.2	260.3	248.2	236.1	223.8	236.1	248.2	260.3	262.2
105.2	87.5°	114.5	112.2	109.7	103.5	97.2	91.3	97.2	103.5	109.7	112.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2308.2	2.5°	2317.3	2326.5	2337.8	2349.0	2363.5	2378.1	2392.6	2407.2	2423.7	2440.3
2167.8	5°	2180.4	2192.9	2211.0	2229.0	2252.4	2275.7	2301.5	2327.2	2356.3	2385.5
2083.3	7.5°	2098.2	2113.2	2134.5	2156.0	2184.5	2213.1	2245.6	2278.0	2316.4	2354.8
2057.7	10°	2074.6	2091.3	2117.0	2142.5	2174.7	2206.9	2241.8	2276.7	2315.1	2353.6
2095.5	12.5°	2117.1	2138.7	2171.3	2204.0	2237.2	2270.6	2297.8	2325.3	2350.7	2376.2
2173.5	15°	2206.4	2239.2	2285.7	2332.2	2361.1	2390.1	2397.2	2404.3	2400.8	2397.4
2248.7	17.5°	2297.1	2345.5	2407.1	2468.6	2491.9	2515.2	2493.0	2470.7	2428.9	2387.0
2294.3	20°	2353.6	2412.9	2483.2	2553.6	2564.5	2575.2	2528.7	2482.1	2409.3	2336.6
2295.9	22.5°	2357.1	2418.2	2485.4	2552.7	2546.2	2539.7	2479.1	2418.5	2335.3	2252.3
2249.4	25°	2303.6	2358.0	2413.0	2468.1	2446.0	2423.7	2364.0	2304.4	2229.6	2155.0
2158.4	27.5°	2200.5	2242.7	2281.9	2321.2	2296.3	2271.5	2223.7	2175.8	2114.6	2053.2
2046.2	30°	2076.5	2106.7	2136.7	2166.5	2146.4	2126.2	2086.4	2046.8	1995.8	1944.9
1933.6	32.5°	1957.7	1981.8	2009.4	2036.9	2014.4	1992.0	1953.9	1915.8	1875.1	1834.5
1834.2	35°	1856.4	1878.7	1898.2	1917.7	1890.9	1864.0	1826.2	1788.6	1757.6	1726.6
1749.7	37.5°	1770.2	1790.7	1799.7	1808.7	1775.5	1742.3	1704.6	1667.0	1644.9	1622.6
1672.1	40°	1689.5	1706.9	1704.8	1702.6	1664.3	1626.0	1589.7	1553.4	1537.4	1521.3
1593.6	42.5°	1608.2	1622.9	1611.8	1600.8	1559.5	1518.2	1483.7	1449.3	1436.1	1423.1
1516.2	45°	1529.4	1542.7	1526.8	1511.0	1468.1	1425.3	1392.6	1360.0	1348.8	1337.9
1455.0	47.5°	1464.3	1473.5	1455.2	1437.0	1394.7	1352.5	1320.6	1288.6	1278.3	1267.9
1418.5	50°	1418.9	1419.5	1396.1	1372.6	1334.8	1296.9	1266.9	1236.7	1220.5	1204.3
1394.0	52.5°	1389.0	1384.0	1356.2	1328.4	1293.1	1257.8	1230.3	1202.6	1178.4	1154.1
1370.9	55°	1364.0	1357.1	1327.6	1298.2	1267.4	1236.4	1206.6	1176.9	1142.5	1108.0
1346.5	57.5°	1339.5	1332.5	1302.9	1273.2	1242.6	1212.0	1177.1	1142.1	1105.0	1067.9
1312.6	60°	1304.9	1297.2	1267.5	1237.7	1206.6	1175.5	1135.4	1095.2	1062.8	1030.2
1258.5	62.5°	1251.1	1243.7	1216.4	1189.2	1156.0	1122.9	1076.0	1029.2	1008.6	987.9
1185.5	65°	1178.0	1170.4	1146.4	1122.4	1090.7	1059.0	1008.8	958.6	950.8	942.8
1102.2	67.5°	1094.9	1087.5	1066.8	1046.0	1016.1	986.0	939.6	893.3	895.8	898.3
1013.2	70°	1006.1	999.0	980.2	961.5	935.6	909.6	868.9	828.2	836.8	845.5
915.2	72.5°	906.8	898.3	880.0	861.6	838.2	814.7	782.8	750.7	763.3	775.9
798.4	75°	789.6	780.7	764.0	747.3	726.1	704.9	681.0	657.2	669.4	681.5
685.1	77.5°	676.8	668.5	651.1	633.5	615.2	597.0	577.7	558.3	570.6	582.9
557.1	80°	546.2	535.2	522.0	508.6	493.2	477.9	461.8	445.7	456.1	466.3
415.9	82.5°	397.3	378.7	350.2	321.8	327.2	332.5	333.9	335.2	342.5	349.8
264.2	85°	241.1	218.0	191.3	164.7	179.6	194.5	201.5	208.4	216.6	224.8
114.5	87.5°	105.2	95.9	84.6	73.5	84.9	96.2	96.5	96.8	98.4	99.9
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°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2458.6	2.5°	2477.1	2499.8	2520.3	2541.4	2562.6	2584.7	2606.8	2628.7	2650.7	2671.3
2420.4	5°	2455.2	2495.0	2535.4	2578.1	2620.9	2666.6	2712.4	2757.8	2803.4	2849.0
2401.0	7.5°	2447.3	2498.9	2553.9	2613.6	2673.2	2740.9	2808.7	2878.2	2947.8	3023.0
2402.3	10°	2451.1	2506.6	2574.5	2645.2	2715.7	2798.0	2880.2	2972.1	3064.0	3159.2
2416.0	12.5°	2455.9	2507.5	2578.9	2658.7	2738.5	2835.6	2932.6	3036.7	3140.8	3245.3
2416.4	15°	2435.5	2476.8	2555.8	2648.3	2740.7	2852.4	2964.1	3077.0	3190.0	3299.0
2380.1	17.5°	2373.1	2398.5	2491.5	2602.6	2713.8	2843.4	2973.1	3096.3	3219.6	3330.1
2303.9	20°	2271.2	2278.0	2386.2	2524.0	2661.7	2818.8	2976.0	3111.4	3246.9	3361.8
2204.0	22.5°	2155.7	2142.5	2265.8	2431.6	2597.5	2788.7	2979.8	3131.8	3283.7	3401.1
2099.3	25°	2043.6	2008.0	2134.4	2328.6	2522.9	2758.9	2995.0	3168.7	3342.3	3457.2
1999.4	27.5°	1945.6	1902.4	2017.4	2234.3	2451.3	2739.0	3026.7	3226.3	3425.8	3535.6
1902.1	30°	1859.4	1825.5	1922.1	2155.6	2389.1	2729.7	3070.1	3300.9	3531.8	3637.7
1809.2	32.5°	1783.9	1768.9	1846.7	2087.7	2328.6	2718.2	3107.6	3378.8	3650.1	3755.0
1719.6	35°	1712.7	1718.9	1783.8	2020.9	2258.1	2696.5	3135.1	3467.6	3800.1	3900.7
1630.3	37.5°	1637.9	1660.8	1717.5	1942.3	2167.2	2659.3	3151.4	3567.0	3982.7	4110.8
1538.7	40°	1556.1	1591.2	1642.5	1848.6	2054.6	2608.1	3161.7	3693.2	4224.7	4411.4
1446.1	42.5°	1469.2	1513.4	1560.7	1745.1	1929.6	2555.3	3181.2	3858.4	4535.5	4805.1
1360.2	45°	1382.7	1425.5	1473.5	1635.2	1797.0	2506.2	3215.5	4075.6	4935.8	5299.4
1286.8	47.5°	1305.6	1342.4	1404.3	1548.3	1692.3	2465.6	3239.0	4307.1	5375.3	5887.1
1221.0	50°	1237.7	1280.4	1361.9	1490.6	1619.3	2421.5	3223.6	4521.9	5820.2	6591.7
1170.5	52.5°	1187.1	1246.8	1340.5	1452.6	1564.7	2346.8	3129.0	4661.4	6193.7	7331.9
1134.0	55°	1160.2	1250.2	1337.3	1425.0	1512.7	2223.1	2933.5	4630.6	6327.7	7988.2
1106.0	57.5°	1144.0	1253.5	1330.4	1392.3	1454.3	2048.7	2643.0	4414.3	6185.8	8453.3
1079.6	60°	1128.8	1243.0	1293.7	1342.4	1391.1	1822.2	2253.3	4011.8	5770.2	8569.5
1049.5	62.5°	1111.2	1217.0	1223.3	1255.5	1287.9	1551.1	1814.3	3467.4	5120.5	8080.1
1008.4	65°	1073.9	1154.6	1153.8	1169.1	1184.4	1307.2	1430.1	2912.0	4394.1	7387.6
952.9	67.5°	1007.4	1052.8	1054.9	1046.4	1037.9	1072.8	1107.7	2368.0	3628.2	6563.6
884.3	70°	923.1	938.0	938.0	898.5	858.9	849.0	839.0	1864.4	2889.8	5664.4
802.5	72.5°	829.2	829.0	819.5	763.5	707.4	677.3	647.2	1425.4	2203.5	4689.6
702.1	75°	722.5	726.2	682.8	619.9	557.1	529.8	502.6	1034.5	1566.5	3572.2
599.3	77.5°	615.7	617.6	546.1	485.1	424.1	405.5	386.9	701.0	1015.1	2500.2
480.2	80°	493.9	494.2	408.7	357.1	305.5	297.8	290.1	451.7	613.3	1610.9
356.6	82.5°	363.3	359.2	286.2	248.2	210.2	208.6	207.3	277.8	348.5	932.3
232.0	85°	239.2	233.9	179.6	151.8	123.9	124.7	125.4	148.5	171.7	419.4
102.8	87.5°	105.7	98.9	76.4	64.9	53.6	54.3	54.9	61.6	68.2	137.4
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°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2692.0	2.5°	2702.1	2712.4	2726.9	2741.4	2750.1	2758.7	2763.0	2767.4	2765.4	2767.4
2894.6	5°	2930.3	2966.0	3001.4	3036.8	3056.0	3075.2	3086.8	3098.6	3107.4	3098.6
3098.3	7.5°	3156.3	3214.2	3266.4	3318.5	3349.9	3381.3	3398.3	3415.3	3423.4	3415.3
3254.4	10°	3322.9	3391.5	3452.7	3513.9	3551.0	3587.9	3604.4	3620.8	3627.1	3620.8
3349.9	12.5°	3424.3	3498.5	3553.9	3609.0	3635.9	3662.8	3671.8	3680.8	3681.8	3680.8
3408.0	15°	3472.2	3536.3	3571.0	3605.7	3606.7	3607.7	3598.0	3588.4	3577.1	3588.4
3440.7	17.5°	3484.0	3527.4	3528.0	3528.6	3489.7	3450.8	3415.2	3379.4	3354.3	3379.4
3476.7	20°	3491.8	3507.0	3461.4	3415.7	3329.9	3244.0	3181.5	3118.9	3080.5	3118.9
3518.5	22.5°	3498.7	3478.9	3384.4	3289.9	3163.6	3037.3	2959.1	2880.9	2838.4	2880.9
3572.3	25°	3509.9	3447.4	3303.9	3160.4	3007.0	2853.6	2771.4	2689.4	2649.2	2689.4
3645.3	27.5°	3533.7	3422.0	3231.9	3041.9	2871.9	2701.8	2621.0	2540.2	2502.2	2540.2
3743.8	30°	3577.3	3410.9	3176.9	2942.9	2765.8	2588.7	2513.7	2438.7	2403.3	2438.7
3860.0	32.5°	3632.1	3404.2	3139.5	2874.7	2708.3	2541.8	2482.9	2424.0	2398.5	2424.0
4001.2	35°	3722.2	3443.4	3167.5	2891.8	2776.1	2660.5	2646.8	2633.1	2631.0	2633.1
4238.9	37.5°	3910.8	3582.7	3332.0	3081.3	3073.8	3066.3	3129.1	3191.9	3224.6	3191.9
4598.2	40°	4241.3	3884.5	3698.0	3511.6	3643.2	3774.8	3927.5	4080.2	4156.3	4080.2
5074.6	42.5°	4720.6	4366.5	4259.1	4151.7	4438.7	4725.7	5003.5	5281.3	5444.4	5281.3
5663.0	45°	5344.9	5026.8	4979.4	4932.0	5391.8	5851.7	6308.2	6764.7	7041.8	6764.7
6398.7	47.5°	6089.3	5779.9	5770.2	5760.6	6424.0	7087.2	7755.4	8423.6	8816.0	8423.6
7363.1	50°	6980.9	6598.8	6600.5	6602.1	7457.0	8311.9	9194.0	10076.0	10609.3	10076.0
8470.2	52.5°	8007.4	7544.7	7497.9	7451.0	8472.2	9493.4	10584.7	11676.0	12315.3	11676.0
9648.8	55°	9191.6	8734.3	8551.9	8369.5	9506.0	10642.5	11943.5	13244.6	14004.9	13244.6
10720.8	57.5°	10471.8	10222.7	9856.8	9491.1	10638.6	11786.2	13259.9	14733.5	15676.3	14733.5
11368.7	60°	11755.4	12142.2	11687.8	11233.5	12319.5	13405.5	14983.3	16561.1	17580.1	16561.1
11039.7	62.5°	12096.4	13153.1	13101.9	13050.6	14045.4	15040.4	16541.5	18042.6	18984.4	18042.6
10381.2	65°	11373.0	12364.7	12561.0	12757.1	14021.4	15285.8	16741.4	18196.9	18998.8	18196.9
9498.9	67.5°	10442.2	11385.5	11477.5	11569.4	12886.7	14203.9	15665.8	17127.7	17755.9	17127.7
8439.0	70°	9464.9	10491.0	10532.1	10573.3	11751.3	12929.3	14187.3	15445.2	15794.4	15445.2
7175.8	72.5°	8353.2	9530.6	9560.2	9589.7	10511.4	11433.0	12375.2	13317.3	13352.7	13317.3
5577.9	75°	6796.5	8015.1	8124.5	8233.9	8950.9	9668.0	10331.3	10994.5	10816.8	10994.5
3985.3	77.5°	5122.8	6260.4	6417.0	6573.6	7118.7	7663.8	8134.2	8604.7	8299.2	8604.7
2608.4	80°	3565.4	4522.3	4716.9	4911.5	5323.2	5734.7	5981.8	6228.7	5737.4	6228.7
1516.2	82.5°	2170.5	2824.8	3042.2	3259.6	3543.0	3826.4	3929.4	4032.4	3646.3	4032.4
667.1	85°	1014.3	1361.6	1546.5	1731.4	1964.2	2197.0	2255.5	2314.0	2004.7	2314.0
206.5	87.5°	323.2	439.9	543.1	646.3	762.7	879.1	884.1	889.0	746.4	889.0
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):

325°		330°	335°	340°	345°	350°	355°	360°
2503.2	0°	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2	2503.2
2763.0	2.5°	2758.7	2750.1	2741.4	2726.9	2712.4	2702.1	2692.0
3086.8	5°	3075.2	3056.0	3036.8	3001.4	2966.0	2930.3	2894.6
3398.3	7.5°	3381.3	3349.9	3318.5	3266.4	3214.2	3156.3	3098.3
3604.4	10°	3587.9	3551.0	3513.9	3452.7	3391.5	3322.9	3254.4
3671.8	12.5°	3662.8	3635.9	3609.0	3553.9	3498.5	3424.3	3349.9
3598.0	15°	3607.7	3606.7	3605.7	3571.0	3536.3	3472.2	3408.0
3415.2	17.5°	3450.8	3489.7	3528.6	3528.0	3527.4	3484.0	3440.7
3181.5	20°	3244.0	3329.9	3415.7	3461.4	3507.0	3491.8	3476.7
2959.1	22.5°	3037.3	3163.6	3289.9	3384.4	3478.9	3498.7	3518.5
2771.4	25°	2853.6	3007.0	3160.4	3303.9	3447.4	3509.9	3572.3
2621.0	27.5°	2701.8	2871.9	3041.9	3231.9	3422.0	3533.7	3645.3
2513.7	30°	2588.7	2765.8	2942.9	3176.9	3410.9	3577.3	3743.8
2482.9	32.5°	2541.8	2708.3	2874.7	3139.5	3404.2	3632.1	3860.0
2646.8	35°	2660.5	2776.1	2891.8	3167.5	3443.4	3722.2	4001.2
3129.1	37.5°	3066.3	3073.8	3081.3	3332.0	3582.7	3910.8	4238.9
3927.5	40°	3774.8	3643.2	3511.6	3698.0	3884.5	4241.3	4598.2
5003.5	42.5°	4725.7	4438.7	4151.7	4259.1	4366.5	4720.6	5074.6
6308.2	45°	5851.7	5391.8	4932.0	4979.4	5026.8	5344.9	5663.0
7755.4	47.5°	7087.2	6424.0	5760.6	5770.2	5779.9	6089.3	6398.7
9194.0	50°	8311.9	7457.0	6602.1	6600.5	6598.8	6980.9	7363.1
10584.7	52.5°	9493.4	8472.2	7451.0	7497.9	7544.7	8007.4	8470.2
11943.5	55°	10642.5	9506.0	8369.5	8551.9	8734.3	9191.6	9648.8
13259.9	57.5°	11786.2	10638.6	9491.1	9856.8	10222.7	10471.8	10720.8
14983.3	60°	13405.5	12319.5	11233.5	11687.8	12142.2	11755.4	11368.7
16541.5	62.5°	15040.4	14045.4	13050.6	13101.9	13153.1	12096.4	11039.7
16741.4	65°	15285.8	14021.4	12757.1	12561.0	12364.7	11373.0	10381.2
15665.8	67.5°	14203.9	12886.7	11569.4	11477.5	11385.5	10442.2	9498.9
14187.3	70°	12929.3	11751.3	10573.3	10532.1	10491.0	9464.9	8439.0
12375.2	72.5°	11433.0	10511.4	9589.7	9560.2	9530.6	8353.2	7175.8
10331.3	75°	9668.0	8950.9	8233.9	8124.5	8015.1	6796.5	5577.9
8134.2	77.5°	7663.8	7118.7	6573.6	6417.0	6260.4	5122.8	3985.3
5981.8	80°	5734.7	5323.2	4911.5	4716.9	4522.3	3565.4	2608.4
3929.4	82.5°	3826.4	3543.0	3259.6	3042.2	2824.8	2170.5	1516.2
2255.5	85°	2197.0	1964.2	1731.4	1546.5	1361.6	1014.3	667.1
884.1	87.5°	879.1	762.7	646.3	543.1	439.9	323.2	206.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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