

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: P947551

Luminaire Tested: **GALN-SB2D-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947551
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-SB2D-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 19396 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

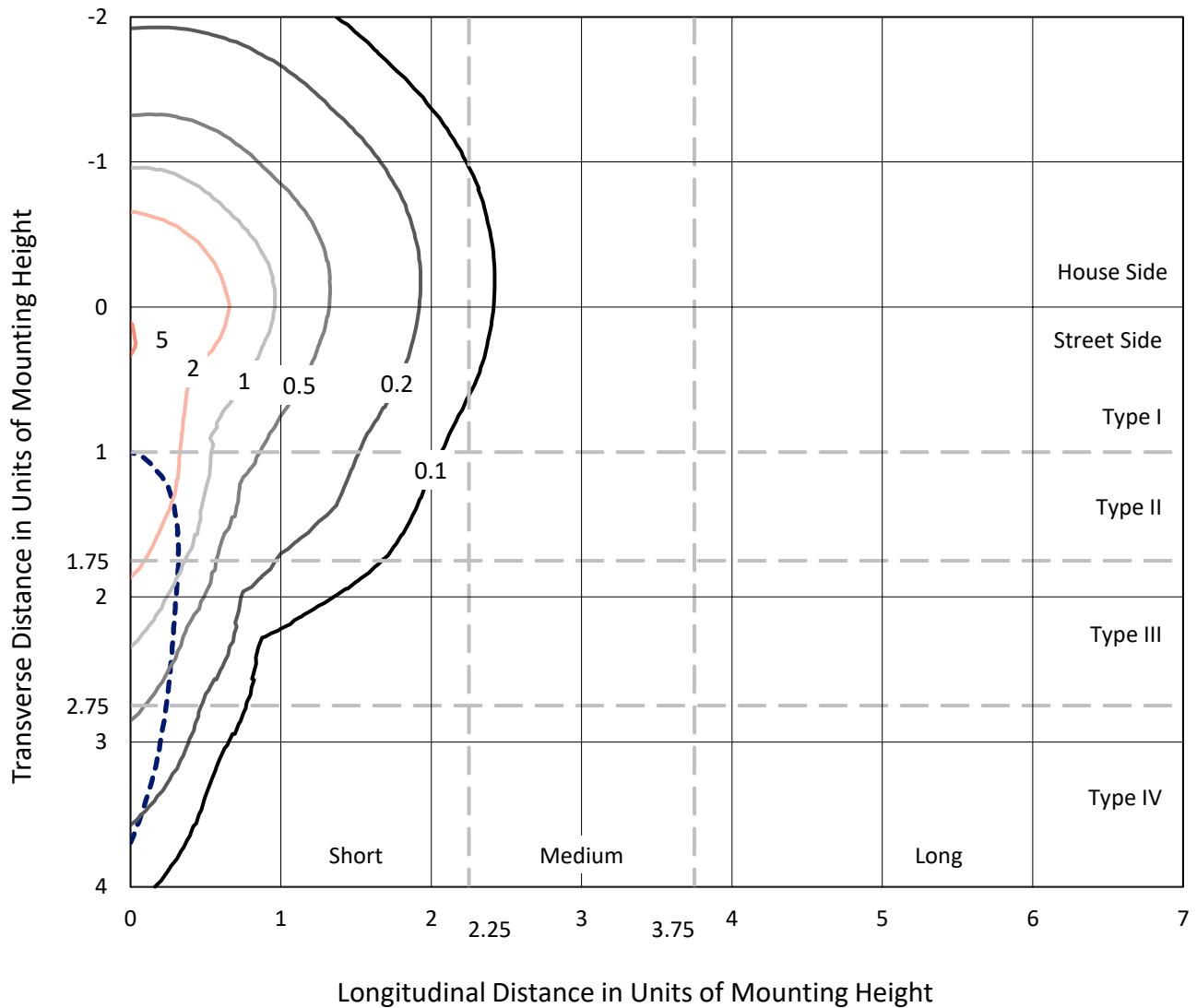
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

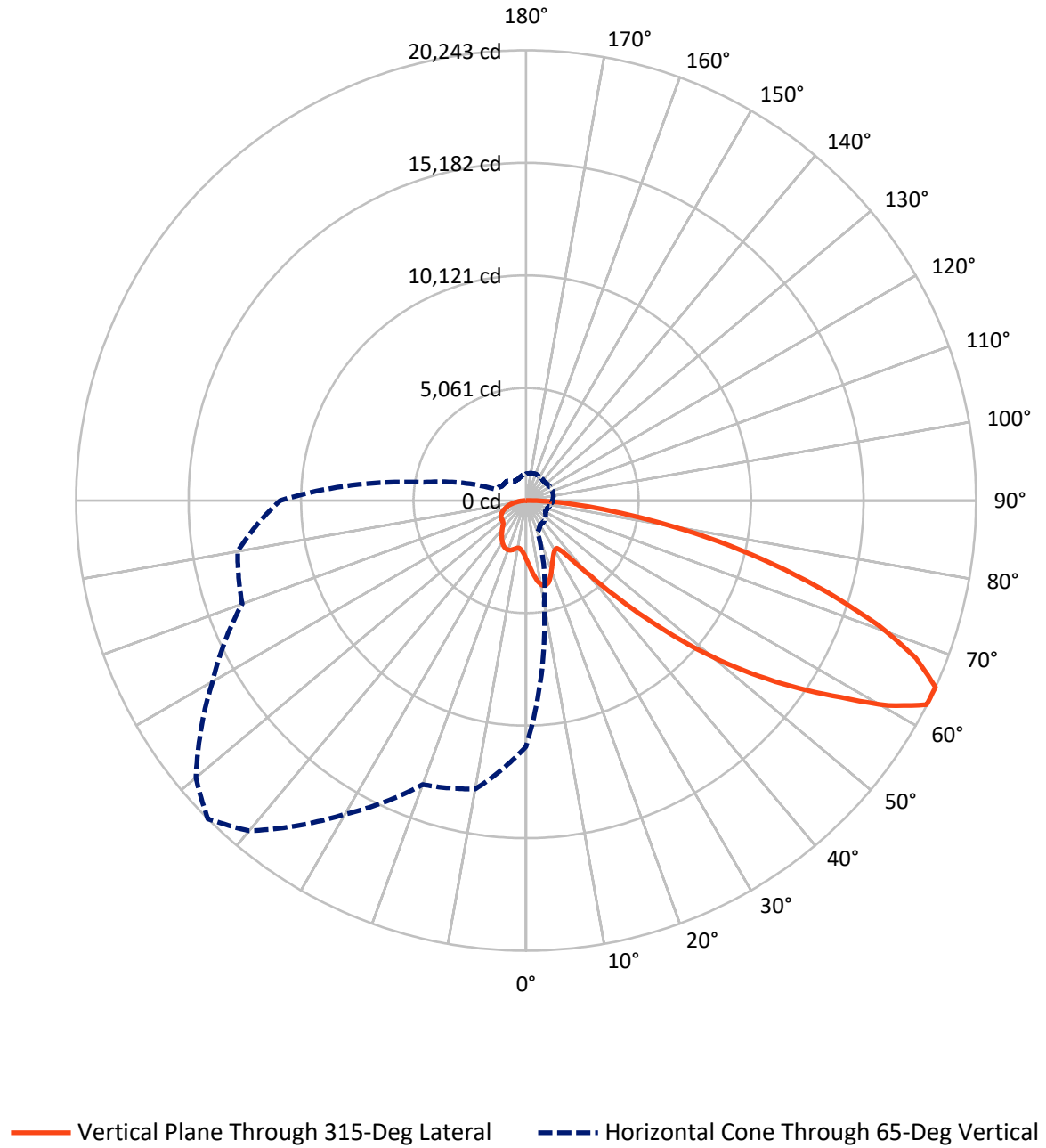
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	4929.5	0.0	4929.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14466.5	0.0	14466.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	19396.0	0.0	19396.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	1.4
10°-20°	830.6	4.3
20°-30°	1282.9	6.6
30°-40°	1625.8	8.4
40°-50°	2452.1	12.6
50°-60°	3961.7	20.4
60°-70°	4938.9	25.5
70°-80°	3238.7	16.7
80°-90°	800.7	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°	19396.0	100.0
0°-180°	19396.0	100.0



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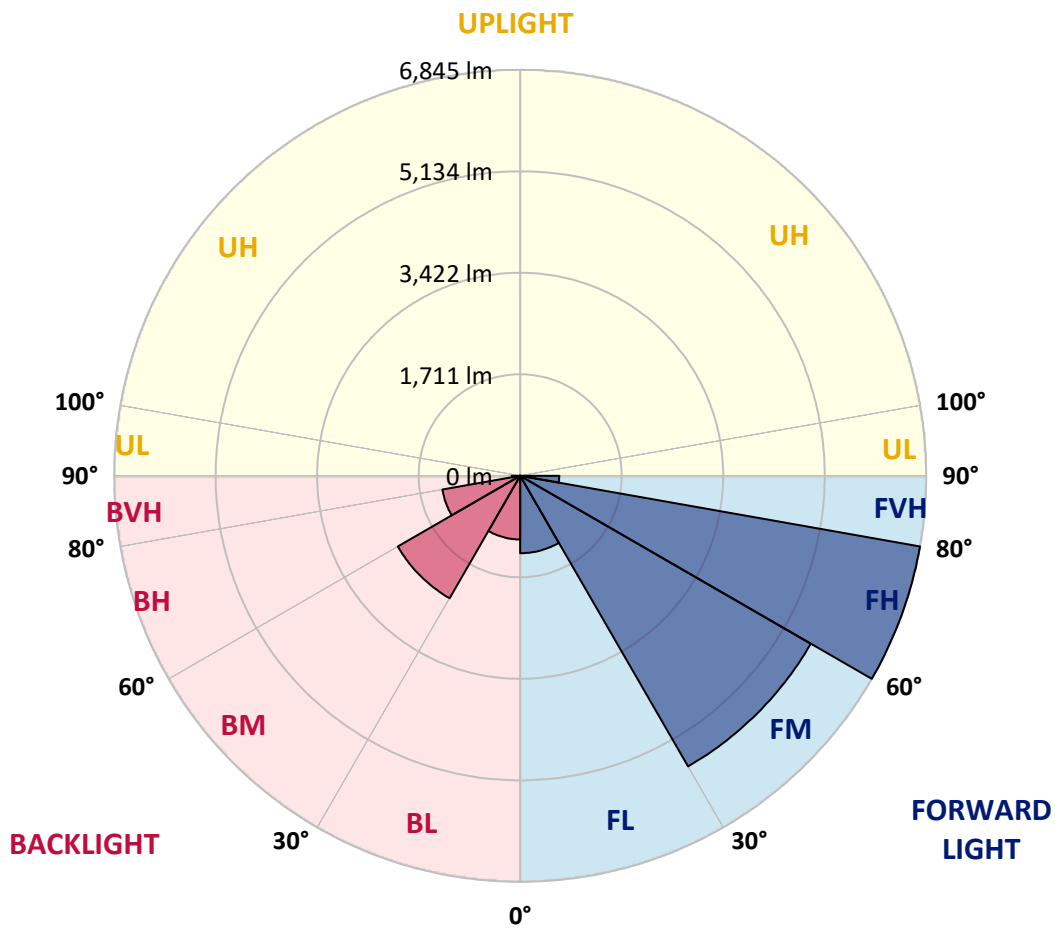
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1304.6	6.7			
FM (30°-60°)	5657.4	29.2			
FH (60°-80°)	6844.9	35.3			G3/7500
FVH (80°-90°)	659.6	3.4			G4/750
BL (0°-30°)	1073.5	5.5	B3/2500		
BM (30°-60°)	2382.2	12.3	B2/2500		
BH (60°-80°)	1332.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	141.1	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°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2.5°	2868.2	2846.2	2824.2	2800.8	2777.4	2753.9	2730.4	2707.9	2685.3	2663.5
5°	3084.2	3035.6	2986.9	2938.4	2890.0	2841.2	2792.5	2746.9	2701.4	2658.4
7.5°	3301.1	3220.9	3140.8	3066.7	2992.6	2920.4	2848.3	2784.7	2721.2	2662.5
10°	3467.5	3366.0	3264.6	3166.7	3068.8	2981.2	2893.5	2818.4	2743.1	2670.7
12.5°	3569.3	3457.8	3346.5	3235.5	3124.6	3021.2	2917.9	2832.8	2747.8	2671.7
15°	3631.2	3515.0	3398.9	3278.5	3158.2	3039.1	2920.1	2821.7	2723.2	2639.0
17.5°	3666.0	3548.2	3430.4	3299.1	3167.8	3029.6	2891.5	2773.0	2654.6	2555.6
20°	3704.4	3582.0	3459.5	3315.2	3170.9	3003.4	2836.0	2689.2	2542.5	2427.1
22.5°	3748.9	3623.8	3498.7	3336.9	3175.0	2971.3	2767.6	2590.9	2414.1	2282.8
25°	3806.2	3683.6	3561.1	3376.2	3191.1	2939.6	2688.1	2481.1	2274.1	2139.5
27.5°	3884.0	3767.1	3650.1	3437.6	3224.9	2918.4	2611.9	2380.7	2149.5	2026.9
30°	3988.9	3875.9	3763.0	3517.1	3271.2	2908.4	2545.5	2296.7	2047.9	1945.1
32.5°	4112.7	4000.9	3889.1	3600.1	3311.1	2896.2	2481.1	2224.4	1967.6	1884.7
35°	4263.2	4156.1	4049.0	3694.7	3340.3	2873.0	2405.9	2153.2	1900.6	1831.5
37.5°	4516.5	4380.0	4243.4	3800.6	3357.7	2833.4	2309.1	2069.5	1829.9	1769.5
40°	4899.3	4700.3	4501.3	3935.1	3368.7	2778.9	2189.2	1969.6	1750.1	1695.3
42.5°	5406.9	5119.7	4832.5	4111.0	3389.5	2722.6	2055.9	1859.4	1662.9	1612.4
45°	6033.8	5646.4	5259.0	4342.5	3426.0	2670.3	1914.7	1742.3	1570.0	1518.8
47.5°	6817.7	6272.5	5727.2	4589.2	3451.1	2627.1	1803.1	1649.7	1496.3	1430.3
50°	7845.3	7023.3	6201.3	4818.0	3434.7	2580.0	1725.3	1588.2	1451.1	1364.3
52.5°	9024.8	7812.0	6599.2	4966.6	3333.9	2500.5	1667.2	1547.7	1428.2	1328.4
55°	10280.6	8511.2	6742.0	4933.9	3125.6	2368.7	1611.7	1518.3	1424.9	1332.0
57.5°	11422.8	9006.8	6590.8	4703.4	2816.0	2182.8	1549.5	1483.5	1417.5	1335.6
60°	12113.1	9130.6	6148.1	4274.4	2400.8	1941.5	1482.2	1430.3	1378.4	1324.3
62.5°	11762.5	8609.2	5455.8	3694.5	1933.1	1652.7	1372.2	1337.8	1303.4	1296.7
65°	11061.0	7871.4	4681.8	3102.7	1523.7	1392.8	1261.9	1245.6	1229.4	1230.2
67.5°	10120.9	6993.4	3865.8	2523.0	1180.2	1143.1	1105.8	1114.9	1124.0	1121.7
70°	8991.5	6035.3	3079.1	1986.5	894.0	904.6	915.2	957.3	999.4	999.4
72.5°	7645.7	4996.7	2347.8	1518.7	689.6	721.6	753.8	813.5	873.2	883.2
75°	5943.2	3806.1	1669.0	1102.3	535.5	564.5	593.6	660.5	727.5	773.7
77.5°	4246.3	2663.9	1081.6	746.9	412.2	432.0	451.9	516.8	581.8	658.1
80°	2779.2	1716.3	653.5	481.2	309.1	317.3	325.5	380.5	435.5	526.6
82.5°	1615.5	993.4	371.3	296.0	220.9	222.3	223.9	264.5	305.0	382.8
85°	710.8	446.8	183.0	158.2	133.6	132.8	132.0	161.7	191.4	249.2
87.5°	220.0	146.4	72.7	65.6	58.5	57.8	57.1	69.2	81.4	105.4
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°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2639.3	2.5°	2619.6	2600.1	2582.4	2564.8	2549.3	2533.9	2518.3	2502.9	2490.9	2478.8
2615.9	5°	2578.9	2541.7	2510.6	2479.6	2452.2	2424.8	2399.9	2374.9	2355.8	2336.5
2607.6	7.5°	2558.2	2509.0	2468.1	2427.1	2392.6	2358.0	2327.5	2297.1	2274.3	2251.6
2611.6	10°	2559.7	2507.7	2466.7	2425.8	2388.6	2351.4	2317.1	2282.8	2255.6	2228.3
2616.8	12.5°	2574.2	2531.8	2504.6	2477.6	2448.3	2419.2	2383.7	2348.3	2313.5	2278.7
2595.0	15°	2574.6	2554.3	2558.0	2561.7	2554.1	2546.6	2515.7	2484.9	2435.4	2385.9
2528.4	17.5°	2535.9	2543.3	2587.9	2632.5	2656.3	2679.9	2655.0	2630.3	2564.7	2499.1
2420.0	20°	2454.8	2489.5	2567.0	2644.6	2694.2	2743.9	2732.4	2720.8	2645.8	2570.9
2296.8	22.5°	2348.3	2399.8	2488.2	2576.8	2641.4	2706.0	2713.0	2719.8	2648.2	2576.5
2177.4	25°	2236.8	2296.1	2375.6	2455.3	2518.8	2582.4	2606.1	2629.8	2571.0	2512.4
2073.0	27.5°	2130.3	2187.6	2253.0	2318.3	2369.3	2420.3	2446.7	2473.2	2431.3	2389.6
1981.2	30°	2026.6	2072.3	2126.5	2180.8	2223.0	2265.4	2286.9	2308.4	2276.6	2244.6
1900.8	32.5°	1927.7	1954.6	1997.9	2041.3	2081.8	2122.4	2146.3	2170.2	2141.0	2111.6
1824.8	35°	1832.2	1839.7	1872.7	1905.7	1945.8	1986.0	2014.7	2043.3	2022.4	2001.7
1745.2	37.5°	1737.0	1728.8	1752.6	1776.2	1816.2	1856.3	1891.7	1927.2	1917.5	1907.9
1658.0	40°	1639.5	1620.9	1638.0	1655.1	1693.8	1732.5	1773.2	1814.1	1816.4	1818.7
1565.4	42.5°	1540.8	1516.2	1530.2	1544.2	1580.8	1617.6	1661.6	1705.6	1717.4	1729.1
1473.3	45°	1449.3	1425.5	1437.1	1449.0	1483.8	1518.6	1564.2	1609.9	1626.8	1643.7
1391.1	47.5°	1371.0	1351.0	1362.0	1373.0	1407.0	1441.0	1486.1	1531.1	1550.5	1570.0
1318.7	50°	1300.9	1283.2	1300.4	1317.7	1349.8	1381.9	1422.2	1462.5	1487.5	1512.5
1264.8	52.5°	1247.2	1229.7	1255.6	1281.4	1310.8	1340.2	1377.8	1415.4	1445.0	1474.6
1236.1	55°	1208.3	1180.6	1217.3	1253.9	1285.7	1317.4	1350.3	1383.2	1414.5	1445.9
1218.9	57.5°	1178.4	1137.9	1177.4	1216.9	1254.1	1291.4	1323.9	1356.6	1388.2	1419.7
1202.8	60°	1150.3	1097.7	1132.3	1166.9	1209.7	1252.5	1285.6	1318.7	1350.4	1382.2
1183.9	62.5°	1118.2	1052.6	1074.6	1096.6	1146.5	1196.4	1231.7	1267.0	1296.1	1325.2
1144.2	65°	1074.4	1004.5	1013.0	1021.4	1074.8	1128.4	1162.1	1195.9	1221.5	1247.1
1073.4	67.5°	1015.3	957.1	954.5	951.8	1001.1	1050.6	1082.6	1114.5	1136.6	1158.8
983.5	70°	942.2	900.8	891.6	882.4	925.8	969.2	996.8	1024.5	1044.4	1064.4
883.4	72.5°	855.1	826.7	813.2	799.8	834.0	868.1	893.1	918.0	937.6	957.1
769.8	75°	748.0	726.1	713.2	700.2	725.6	751.0	773.6	796.2	814.1	831.9
656.0	77.5°	638.5	621.0	607.9	594.8	615.5	636.1	655.5	675.0	693.7	712.3
526.3	80°	511.6	496.9	485.9	474.9	492.1	509.2	525.5	541.9	556.1	570.3
387.1	82.5°	379.9	372.7	365.0	357.2	355.8	354.3	348.6	342.9	373.2	403.4
254.8	85°	247.2	239.5	230.8	222.1	214.7	207.2	191.4	175.5	203.9	232.3
112.6	87.5°	109.5	106.4	104.8	103.2	102.9	102.5	90.5	78.3	90.2	102.1
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2469.1	2.5°	2459.4	2451.8	2444.2	2437.2	2430.2	2421.5	2430.2	2437.2	2444.2	2451.8
2323.1	5°	2309.7	2300.2	2290.7	2283.4	2276.2	2269.0	2276.2	2283.4	2290.7	2300.2
2235.6	7.5°	2219.7	2208.7	2197.9	2191.3	2184.9	2180.0	2184.9	2191.3	2197.9	2208.7
2210.5	10°	2192.4	2182.1	2171.8	2166.2	2160.7	2158.5	2160.7	2166.2	2171.8	2182.1
2255.7	12.5°	2232.7	2221.1	2209.6	2204.9	2200.2	2199.4	2200.2	2204.9	2209.6	2221.1
2350.9	15°	2315.9	2299.8	2283.8	2277.7	2271.6	2271.0	2271.6	2277.7	2283.8	2299.8
2447.5	17.5°	2395.9	2372.2	2348.3	2340.5	2332.7	2331.4	2332.7	2340.5	2348.3	2372.2
2507.7	20°	2444.5	2414.1	2383.6	2373.9	2364.2	2361.1	2364.2	2373.9	2383.6	2414.1
2511.4	22.5°	2446.3	2414.2	2382.1	2371.3	2360.6	2356.0	2360.6	2371.3	2382.1	2414.2
2454.4	25°	2396.7	2368.9	2341.1	2331.0	2321.0	2315.0	2321.0	2331.0	2341.1	2368.9
2344.6	27.5°	2299.7	2281.1	2262.3	2257.7	2253.1	2251.6	2253.1	2257.7	2262.3	2281.1
2212.5	30°	2180.2	2170.6	2161.0	2161.0	2161.0	2162.6	2161.0	2161.0	2161.0	2170.6
2085.9	32.5°	2060.2	2054.0	2047.7	2048.5	2049.5	2051.0	2049.5	2048.5	2047.7	2054.0
1977.9	35°	1954.3	1944.8	1935.3	1933.3	1931.3	1930.2	1931.3	1933.3	1935.3	1944.8
1886.1	37.5°	1864.2	1846.9	1829.7	1820.6	1811.5	1806.4	1811.5	1820.6	1829.7	1846.9
1800.2	40°	1781.6	1756.4	1731.5	1714.5	1697.7	1687.7	1697.7	1714.5	1731.5	1756.4
1713.5	42.5°	1697.9	1666.7	1635.5	1610.8	1586.1	1570.0	1586.1	1610.8	1635.5	1666.7
1629.5	45°	1615.5	1579.8	1544.2	1515.2	1486.3	1467.6	1486.3	1515.2	1544.2	1579.8
1560.2	47.5°	1550.3	1518.6	1486.9	1460.1	1433.3	1415.4	1433.3	1460.1	1486.9	1518.6
1511.8	50°	1511.4	1486.1	1460.7	1435.9	1411.1	1393.9	1411.1	1435.9	1460.7	1486.1
1479.9	52.5°	1485.2	1464.6	1443.9	1421.7	1399.6	1383.7	1399.6	1421.7	1443.9	1464.6
1453.3	55°	1460.7	1442.7	1424.6	1405.2	1385.8	1371.4	1385.8	1405.2	1424.6	1442.7
1427.2	57.5°	1434.7	1416.5	1398.2	1379.0	1359.7	1344.8	1359.7	1379.0	1398.2	1416.5
1390.4	60°	1398.5	1380.7	1363.0	1343.2	1323.3	1308.0	1323.3	1343.2	1363.0	1380.7
1333.0	62.5°	1340.9	1324.9	1308.8	1287.9	1267.0	1248.6	1267.0	1287.9	1308.8	1324.9
1255.2	65°	1263.1	1247.7	1232.2	1212.0	1191.8	1175.9	1191.8	1212.0	1232.2	1247.7
1166.6	67.5°	1174.4	1160.2	1146.1	1127.2	1108.4	1094.1	1108.4	1127.2	1146.1	1160.2
1072.0	70°	1079.5	1068.0	1056.4	1038.4	1020.4	1004.0	1020.4	1038.4	1056.4	1068.0
966.1	72.5°	975.1	965.5	955.9	938.7	921.6	905.8	921.6	938.7	955.9	965.5
841.3	75°	850.7	846.0	841.3	826.8	812.4	797.3	812.4	826.8	841.3	846.0
721.1	77.5°	729.9	723.4	716.6	702.1	687.6	675.5	687.6	702.1	716.6	723.4
581.9	80°	593.6	590.7	588.0	568.4	548.8	526.1	548.8	568.4	588.0	590.7
423.3	82.5°	443.2	441.9	440.6	424.1	407.5	393.0	407.5	424.1	440.6	441.9
256.9	85°	281.4	279.4	277.4	264.5	251.6	238.5	251.6	264.5	277.4	279.4
112.1	87.5°	122.0	119.5	116.9	110.3	103.6	97.2	103.6	110.3	116.9	119.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2459.4	2.5°	2469.1	2478.8	2490.9	2502.9	2518.3	2533.9	2549.3	2564.8	2582.4	2600.1
2309.7	5°	2323.1	2336.5	2355.8	2374.9	2399.9	2424.8	2452.2	2479.6	2510.6	2541.7
2219.7	7.5°	2235.6	2251.6	2274.3	2297.1	2327.5	2358.0	2392.6	2427.1	2468.1	2509.0
2192.4	10°	2210.5	2228.3	2255.6	2282.8	2317.1	2351.4	2388.6	2425.8	2466.7	2507.7
2232.7	12.5°	2255.7	2278.7	2313.5	2348.3	2383.7	2419.2	2448.3	2477.6	2504.6	2531.8
2315.9	15°	2350.9	2385.9	2435.4	2484.9	2515.7	2546.6	2554.1	2561.7	2558.0	2554.3
2395.9	17.5°	2447.5	2499.1	2564.7	2630.3	2655.0	2679.9	2656.3	2632.5	2587.9	2543.3
2444.5	20°	2507.7	2570.9	2645.8	2720.8	2732.4	2743.9	2694.2	2644.6	2567.0	2489.5
2446.3	22.5°	2511.4	2576.5	2648.2	2719.8	2713.0	2706.0	2641.4	2576.8	2488.2	2399.8
2396.7	25°	2454.4	2512.4	2571.0	2629.8	2606.1	2582.4	2518.8	2455.3	2375.6	2296.1
2299.7	27.5°	2344.6	2389.6	2431.3	2473.2	2446.7	2420.3	2369.3	2318.3	2253.0	2187.6
2180.2	30°	2212.5	2244.6	2276.6	2308.4	2286.9	2265.4	2223.0	2180.8	2126.5	2072.3
2060.2	32.5°	2085.9	2111.6	2141.0	2170.2	2146.3	2122.4	2081.8	2041.3	1997.9	1954.6
1954.3	35°	1977.9	2001.7	2022.4	2043.3	2014.7	1986.0	1945.8	1905.7	1872.7	1839.7
1864.2	37.5°	1886.1	1907.9	1917.5	1927.2	1891.7	1856.3	1816.2	1776.2	1752.6	1728.8
1781.6	40°	1800.2	1818.7	1816.4	1814.1	1773.2	1732.5	1693.8	1655.1	1638.0	1620.9
1697.9	42.5°	1713.5	1729.1	1717.4	1705.6	1661.6	1617.6	1580.8	1544.2	1530.2	1516.2
1615.5	45°	1629.5	1643.7	1626.8	1609.9	1564.2	1518.6	1483.8	1449.0	1437.1	1425.5
1550.3	47.5°	1560.2	1570.0	1550.5	1531.1	1486.1	1441.0	1407.0	1373.0	1362.0	1351.0
1511.4	50°	1511.8	1512.5	1487.5	1462.5	1422.2	1381.9	1349.8	1317.7	1300.4	1283.2
1485.2	52.5°	1479.9	1474.6	1445.0	1415.4	1377.8	1340.2	1310.8	1281.4	1255.6	1229.7
1460.7	55°	1453.3	1445.9	1414.5	1383.2	1350.3	1317.4	1285.7	1253.9	1217.3	1180.6
1434.7	57.5°	1427.2	1419.7	1388.2	1356.6	1323.9	1291.4	1254.1	1216.9	1177.4	1137.9
1398.5	60°	1390.4	1382.2	1350.4	1318.7	1285.6	1252.5	1209.7	1166.9	1132.3	1097.7
1340.9	62.5°	1333.0	1325.2	1296.1	1267.0	1231.7	1196.4	1146.5	1096.6	1074.6	1052.6
1263.1	65°	1255.2	1247.1	1221.5	1195.9	1162.1	1128.4	1074.8	1021.4	1013.0	1004.5
1174.4	67.5°	1166.6	1158.8	1136.6	1114.5	1082.6	1050.6	1001.1	951.8	954.5	957.1
1079.5	70°	1072.0	1064.4	1044.4	1024.5	996.8	969.2	925.8	882.4	891.6	900.8
975.1	72.5°	966.1	957.1	937.6	918.0	893.1	868.1	834.0	799.8	813.2	826.7
850.7	75°	841.3	831.9	814.1	796.2	773.6	751.0	725.6	700.2	713.2	726.1
729.9	77.5°	721.1	712.3	693.7	675.0	655.5	636.1	615.5	594.8	607.9	621.0
593.6	80°	581.9	570.3	556.1	541.9	525.5	509.2	492.1	474.9	485.9	496.9
443.2	82.5°	423.3	403.4	373.2	342.9	348.6	354.3	355.8	357.2	365.0	372.7
281.4	85°	256.9	232.3	203.9	175.5	191.4	207.2	214.7	222.1	230.8	239.5
122.0	87.5°	112.1	102.1	90.2	78.3	90.5	102.5	102.9	103.2	104.8	106.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2619.6	2.5°	2639.3	2663.5	2685.3	2707.9	2730.4	2753.9	2777.4	2800.8	2824.2	2846.2
2578.9	5°	2615.9	2658.4	2701.4	2746.9	2792.5	2841.2	2890.0	2938.4	2986.9	3035.6
2558.2	7.5°	2607.6	2662.5	2721.2	2784.7	2848.3	2920.4	2992.6	3066.7	3140.8	3220.9
2559.7	10°	2611.6	2670.7	2743.1	2818.4	2893.5	2981.2	3068.8	3166.7	3264.6	3366.0
2574.2	12.5°	2616.8	2671.7	2747.8	2832.8	2917.9	3021.2	3124.6	3235.5	3346.5	3457.8
2574.6	15°	2595.0	2639.0	2723.2	2821.7	2920.1	3039.1	3158.2	3278.5	3398.9	3515.0
2535.9	17.5°	2528.4	2555.6	2654.6	2773.0	2891.5	3029.6	3167.8	3299.1	3430.4	3548.2
2454.8	20°	2420.0	2427.1	2542.5	2689.2	2836.0	3003.4	3170.9	3315.2	3459.5	3582.0
2348.3	22.5°	2296.8	2282.8	2414.1	2590.9	2767.6	2971.3	3175.0	3336.9	3498.7	3623.8
2236.8	25°	2177.4	2139.5	2274.1	2481.1	2688.1	2939.6	3191.1	3376.2	3561.1	3683.6
2130.3	27.5°	2073.0	2026.9	2149.5	2380.7	2611.9	2918.4	3224.9	3437.6	3650.1	3767.1
2026.6	30°	1981.2	1945.1	2047.9	2296.7	2545.5	2908.4	3271.2	3517.1	3763.0	3875.9
1927.7	32.5°	1900.8	1884.7	1967.6	2224.4	2481.1	2896.2	3311.1	3600.1	3889.1	4000.9
1832.2	35°	1824.8	1831.5	1900.6	2153.2	2405.9	2873.0	3340.3	3694.7	4049.0	4156.1
1737.0	37.5°	1745.2	1769.5	1829.9	2069.5	2309.1	2833.4	3357.7	3800.6	4243.4	4380.0
1639.5	40°	1658.0	1695.3	1750.1	1969.6	2189.2	2778.9	3368.7	3935.1	4501.3	4700.3
1540.8	42.5°	1565.4	1612.4	1662.9	1859.4	2055.9	2722.6	3389.5	4111.0	4832.5	5119.7
1449.3	45°	1473.3	1518.8	1570.0	1742.3	1914.7	2670.3	3426.0	4342.5	5259.0	5646.4
1371.0	47.5°	1391.1	1430.3	1496.3	1649.7	1803.1	2627.1	3451.1	4589.2	5727.2	6272.5
1300.9	50°	1318.7	1364.3	1451.1	1588.2	1725.3	2580.0	3434.7	4818.0	6201.3	7023.3
1247.2	52.5°	1264.8	1328.4	1428.2	1547.7	1667.2	2500.5	3333.9	4966.6	6599.2	7812.0
1208.3	55°	1236.1	1332.0	1424.9	1518.3	1611.7	2368.7	3125.6	4933.9	6742.0	8511.2
1178.4	57.5°	1218.9	1335.6	1417.5	1483.5	1549.5	2182.8	2816.0	4703.4	6590.8	9006.8
1150.3	60°	1202.8	1324.3	1378.4	1430.3	1482.2	1941.5	2400.8	4274.4	6148.1	9130.6
1118.2	62.5°	1183.9	1296.7	1303.4	1337.8	1372.2	1652.7	1933.1	3694.5	5455.8	8609.2
1074.4	65°	1144.2	1230.2	1229.4	1245.6	1261.9	1392.8	1523.7	3102.7	4681.8	7871.4
1015.3	67.5°	1073.4	1121.7	1124.0	1114.9	1105.8	1143.1	1180.2	2523.0	3865.8	6993.4
942.2	70°	983.5	999.4	999.4	957.3	915.2	904.6	894.0	1986.5	3079.1	6035.3
855.1	72.5°	883.4	883.2	873.2	813.5	753.8	721.6	689.6	1518.7	2347.8	4996.7
748.0	75°	769.8	773.7	727.5	660.5	593.6	564.5	535.5	1102.3	1669.0	3806.1
638.5	77.5°	656.0	658.1	581.8	516.8	451.9	432.0	412.2	746.9	1081.6	2663.9
511.6	80°	526.3	526.6	435.5	380.5	325.5	317.3	309.1	481.2	653.5	1716.3
379.9	82.5°	387.1	382.8	305.0	264.5	223.9	222.3	220.9	296.0	371.3	993.4
247.2	85°	254.8	249.2	191.4	161.7	132.0	132.8	133.6	158.2	183.0	446.8
109.5	87.5°	112.6	105.4	81.4	69.2	57.1	57.8	58.5	65.6	72.7	146.4
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°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2868.2	2.5°	2879.1	2890.0	2905.5	2920.9	2930.1	2939.4	2944.0	2948.6	2946.5	2948.6
3084.2	5°	3122.1	3160.2	3197.9	3235.6	3256.1	3276.6	3289.0	3301.5	3310.9	3301.5
3301.1	7.5°	3363.0	3424.7	3480.3	3535.8	3569.3	3602.8	3620.9	3638.9	3647.6	3638.9
3467.5	10°	3540.5	3613.6	3678.8	3744.0	3783.5	3822.8	3840.4	3857.9	3864.6	3857.9
3569.3	12.5°	3648.5	3727.6	3786.6	3845.3	3874.0	3902.6	3912.2	3921.9	3922.9	3921.9
3631.2	15°	3699.6	3767.8	3804.8	3841.8	3842.9	3843.9	3833.6	3823.4	3811.3	3823.4
3666.0	17.5°	3712.2	3758.3	3759.0	3759.7	3718.2	3676.8	3638.8	3600.7	3573.9	3600.7
3704.4	20°	3720.5	3736.6	3688.0	3639.4	3547.9	3456.4	3389.8	3323.2	3282.2	3323.2
3748.9	22.5°	3727.8	3706.7	3606.0	3505.3	3370.7	3236.2	3152.8	3069.5	3024.3	3069.5
3806.2	25°	3739.7	3673.2	3520.3	3367.4	3203.9	3040.5	2952.9	2865.5	2822.7	2865.5
3884.0	27.5°	3765.1	3646.0	3443.5	3241.1	3059.9	2878.8	2792.6	2706.5	2666.1	2706.5
3988.9	30°	3811.5	3634.3	3385.0	3135.7	2946.9	2758.2	2678.3	2598.3	2560.7	2598.3
4112.7	32.5°	3869.9	3627.1	3345.1	3063.0	2885.6	2708.3	2645.5	2582.7	2555.6	2582.7
4263.2	35°	3966.0	3668.9	3374.9	3081.1	2957.9	2834.8	2820.1	2805.5	2803.2	2805.5
4516.5	37.5°	4166.9	3817.3	3550.2	3283.0	3275.0	3267.1	3334.0	3400.9	3435.7	3400.9
4899.3	40°	4519.1	4138.8	3940.2	3741.5	3881.8	4022.0	4184.7	4347.4	4428.5	4347.4
5406.9	42.5°	5029.7	4652.4	4538.0	4423.6	4729.4	5035.2	5331.2	5627.1	5800.9	5627.1
6033.8	45°	5694.9	5355.9	5305.5	5254.9	5744.8	6234.9	6721.2	7207.7	7502.9	7207.7
6817.7	47.5°	6488.1	6158.3	6148.1	6137.8	6844.6	7551.2	8263.3	8975.2	9393.2	8975.2
7845.3	50°	7438.0	7030.9	7032.7	7034.4	7945.3	8856.1	9796.0	10735.8	11304.0	10735.8
9024.8	52.5°	8531.7	8038.7	7988.9	7938.9	9027.0	10115.0	11277.8	12440.6	13121.7	12440.6
10280.6	55°	9793.4	9306.3	9111.9	8917.5	10128.5	11339.3	12725.6	14111.9	14921.9	14111.9
11422.8	57.5°	11157.5	10892.1	10502.3	10112.5	11335.2	12558.0	14128.1	15698.2	16702.7	15698.2
12113.1	60°	12525.1	12937.3	12453.2	11969.1	13126.2	14283.3	15964.4	17645.5	18731.2	17645.5
11762.5	62.5°	12888.4	14014.3	13959.8	13905.1	14965.1	16025.2	17624.7	19224.0	20227.5	19224.0
11061.0	65°	12117.7	13174.4	13383.5	13592.5	14939.5	16286.7	17837.7	19388.5	20242.9	19388.5
10120.9	67.5°	11126.0	12131.0	12229.0	12327.0	13730.5	15134.0	16691.6	18249.2	18918.5	18249.2
8991.5	70°	10084.7	11177.9	11221.7	11265.7	12520.8	13775.9	15116.3	16456.6	16828.6	16456.6
7645.7	72.5°	8900.1	10154.7	10186.2	10217.6	11199.6	12181.6	13185.5	14189.3	14227.0	14189.3
5943.2	75°	7241.5	8539.9	8656.5	8773.0	9537.0	10301.0	11007.7	11714.4	11525.1	11714.4
4246.3	77.5°	5458.3	6670.4	6837.2	7004.0	7584.8	8165.6	8666.8	9168.1	8842.6	9168.1
2779.2	80°	3798.9	4818.4	5025.8	5233.1	5671.8	6110.2	6373.4	6636.6	6113.1	6636.6
1615.5	82.5°	2312.6	3009.8	3241.4	3473.1	3775.0	4076.9	4186.7	4296.5	3885.0	4296.5
710.8	85°	1080.8	1450.7	1647.8	1844.8	2092.9	2340.8	2403.2	2465.5	2135.9	2465.5
220.0	87.5°	344.4	468.7	578.7	688.6	812.6	936.7	942.0	947.2	795.2	947.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
2667.1	0°	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1	2667.1
2944.0	2.5°	2939.4	2930.1	2920.9	2905.5	2890.0	2879.1	2868.2
3289.0	5°	3276.6	3256.1	3235.6	3197.9	3160.2	3122.1	3084.2
3620.9	7.5°	3602.8	3569.3	3535.8	3480.3	3424.7	3363.0	3301.1
3840.4	10°	3822.8	3783.5	3744.0	3678.8	3613.6	3540.5	3467.5
3912.2	12.5°	3902.6	3874.0	3845.3	3786.6	3727.6	3648.5	3569.3
3833.6	15°	3843.9	3842.9	3841.8	3804.8	3767.8	3699.6	3631.2
3638.8	17.5°	3676.8	3718.2	3759.7	3759.0	3758.3	3712.2	3666.0
3389.8	20°	3456.4	3547.9	3639.4	3688.0	3736.6	3720.5	3704.4
3152.8	22.5°	3236.2	3370.7	3505.3	3606.0	3706.7	3727.8	3748.9
2952.9	25°	3040.5	3203.9	3367.4	3520.3	3673.2	3739.7	3806.2
2792.6	27.5°	2878.8	3059.9	3241.1	3443.5	3646.0	3765.1	3884.0
2678.3	30°	2758.2	2946.9	3135.7	3385.0	3634.3	3811.5	3988.9
2645.5	32.5°	2708.3	2885.6	3063.0	3345.1	3627.1	3869.9	4112.7
2820.1	35°	2834.8	2957.9	3081.1	3374.9	3668.9	3966.0	4263.2
3334.0	37.5°	3267.1	3275.0	3283.0	3550.2	3817.3	4166.9	4516.5
4184.7	40°	4022.0	3881.8	3741.5	3940.2	4138.8	4519.1	4899.3
5331.2	42.5°	5035.2	4729.4	4423.6	4538.0	4652.4	5029.7	5406.9
6721.2	45°	6234.9	5744.8	5254.9	5305.5	5355.9	5694.9	6033.8
8263.3	47.5°	7551.2	6844.6	6137.8	6148.1	6158.3	6488.1	6817.7
9796.0	50°	8856.1	7945.3	7034.4	7032.7	7030.9	7438.0	7845.3
11277.8	52.5°	10115.0	9027.0	7938.9	7988.9	8038.7	8531.7	9024.8
12725.6	55°	11339.3	10128.5	8917.5	9111.9	9306.3	9793.4	10280.6
14128.1	57.5°	12558.0	11335.2	10112.5	10502.3	10892.1	11157.5	11422.8
15964.4	60°	14283.3	13126.2	11969.1	12453.2	12937.3	12525.1	12113.1
17624.7	62.5°	16025.2	14965.1	13905.1	13959.8	14014.3	12888.4	11762.5
17837.7	65°	16286.7	14939.5	13592.5	13383.5	13174.4	12117.7	11061.0
16691.6	67.5°	15134.0	13730.5	12327.0	12229.0	12131.0	11126.0	10120.9
15116.3	70°	13775.9	12520.8	11265.7	11221.7	11177.9	10084.7	8991.5
13185.5	72.5°	12181.6	11199.6	10217.6	10186.2	10154.7	8900.1	7645.7
11007.7	75°	10301.0	9537.0	8773.0	8656.5	8539.9	7241.5	5943.2
8666.8	77.5°	8165.6	7584.8	7004.0	6837.2	6670.4	5458.3	4246.3
6373.4	80°	6110.2	5671.8	5233.1	5025.8	4818.4	3798.9	2779.2
4186.7	82.5°	4076.9	3775.0	3473.1	3241.4	3009.8	2312.6	1615.5
2403.2	85°	2340.8	2092.9	1844.8	1647.8	1450.7	1080.8	710.8
942.0	87.5°	936.7	812.6	688.6	578.7	468.7	344.4	220.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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