

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: P949252

Luminaire Tested: **GALN-SB4A-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949252
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-SB4A-760-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18952 lumens
Efficiency: N/A
Efficacy: 166.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

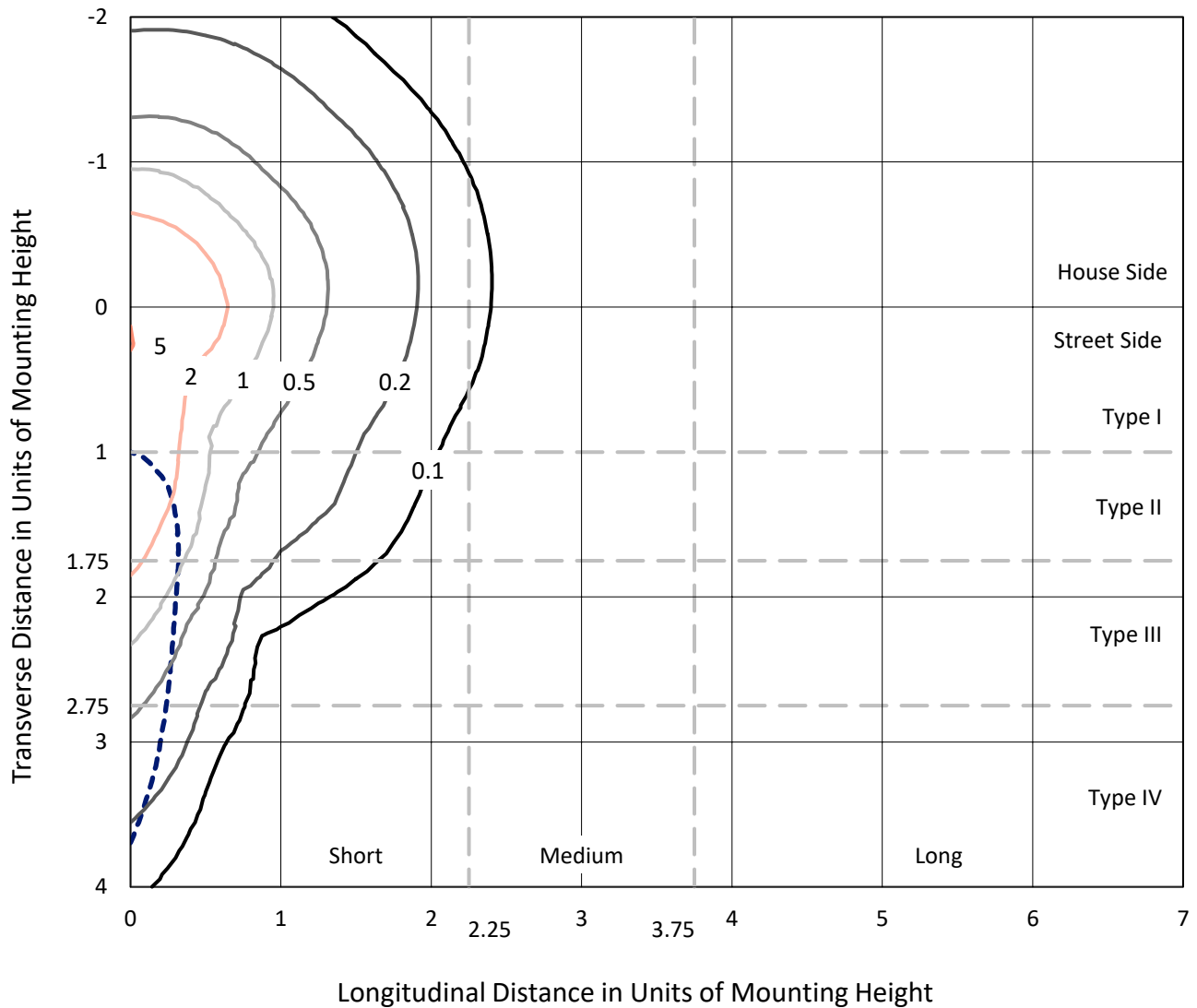
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P949252
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Iso-Footcandle Lines of Horizontal Illumination

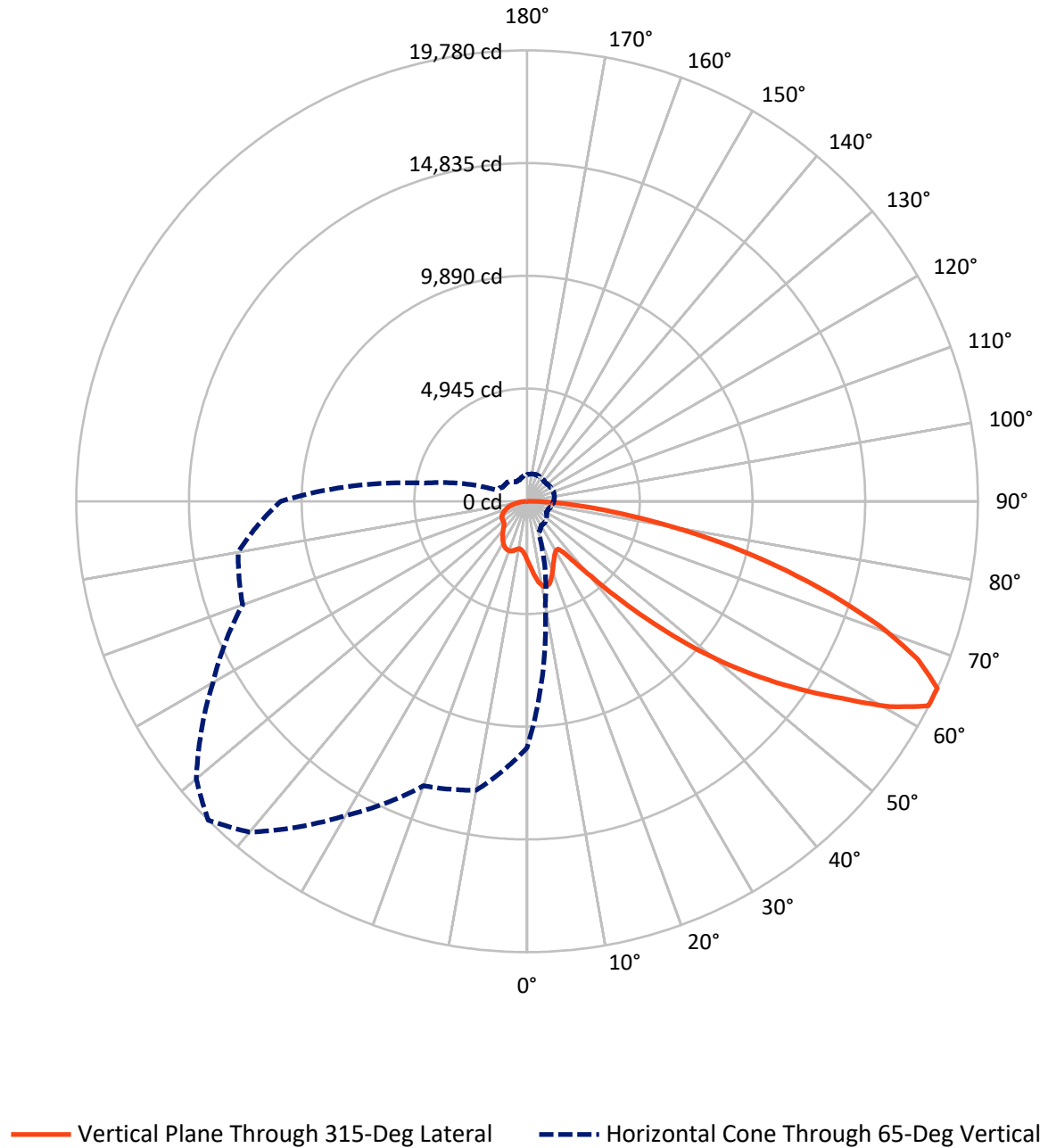
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P949252
CATALOG NUMBER: GALN-SB4A-760-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4816.6	0.0	4816.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14135.3	0.0	14135.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	18952.0	0.0	18952.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.5	1.4
10°-20°	811.6	4.3
20°-30°	1253.6	6.6
30°-40°	1588.6	8.4
40°-50°	2396.0	12.6
50°-60°	3871.0	20.4
60°-70°	4825.9	25.5
70°-80°	3164.6	16.7
80°-90°	782.4	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°	18952.0	100.0
0°-180°	18952.0	100.0



REPORT NUMBER: P949252

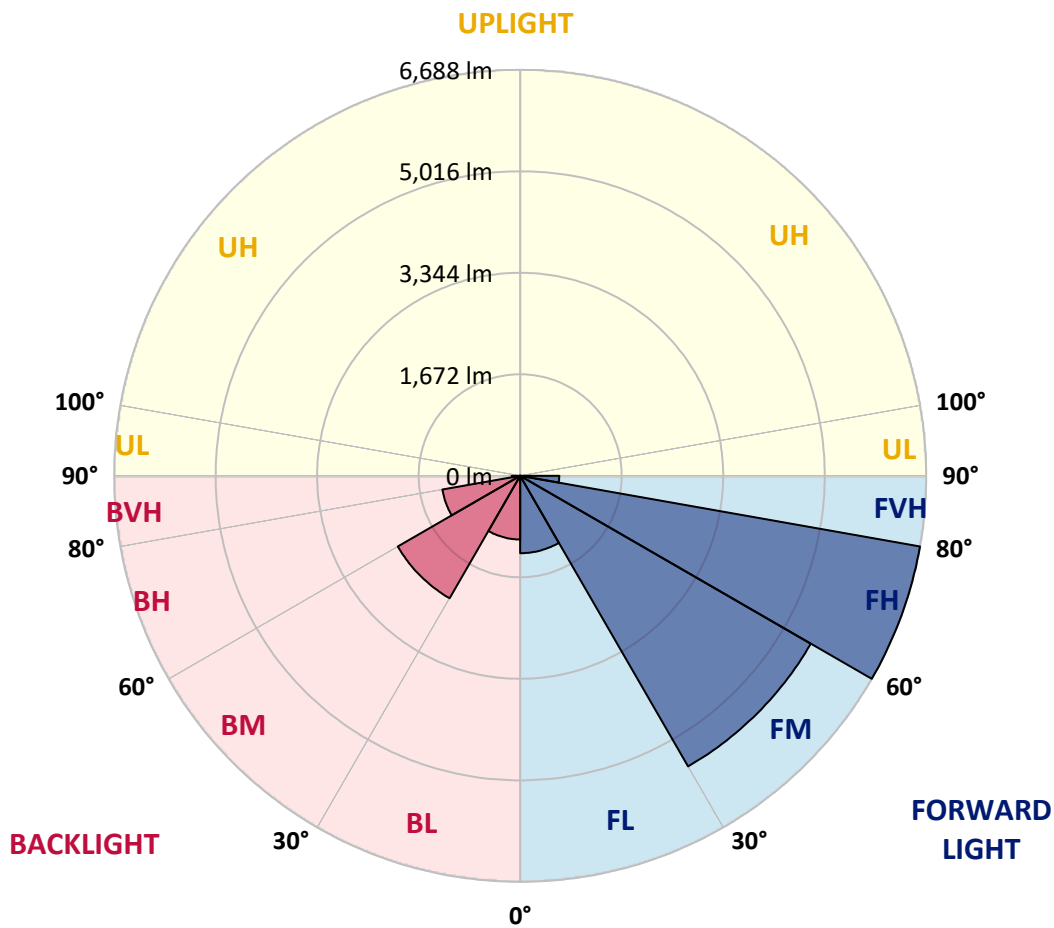
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1274.8	6.7			
FM (30°-60°)	5527.9	29.2			
FH (60°-80°)	6688.2	35.3			G3/7500
FVH (80°-90°)	644.5	3.4			G4/750
BL (0°-30°)	1048.9	5.5	B3/2500		
BM (30°-60°)	2327.7	12.3	B2/2500		
BH (60°-80°)	1302.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	137.9	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



REPORT NUMBER: P949252

CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2.5°	2802.6	2781.1	2759.6	2736.7	2713.9	2690.9	2667.9	2645.9	2623.9	2602.6
5°	3013.6	2966.1	2918.6	2871.2	2823.9	2776.2	2728.6	2684.1	2639.6	2597.6
7.5°	3225.6	3147.2	3068.9	2996.5	2924.1	2853.6	2783.1	2721.0	2658.9	2601.6
10°	3388.1	3289.0	3189.9	3094.2	2998.6	2913.0	2827.3	2753.9	2680.3	2609.6
12.5°	3487.6	3378.7	3269.9	3161.5	3053.1	2952.1	2851.1	2768.0	2684.9	2610.6
15°	3548.1	3434.6	3321.1	3203.5	3085.9	2969.6	2853.3	2757.1	2660.9	2578.6
17.5°	3582.1	3467.0	3351.9	3223.6	3095.3	2960.3	2825.3	2709.6	2593.9	2497.1
20°	3619.6	3500.0	3380.3	3239.3	3098.3	2934.7	2771.1	2627.7	2484.3	2371.6
22.5°	3663.1	3540.9	3418.6	3260.5	3102.3	2903.3	2704.3	2531.6	2358.9	2230.6
25°	3719.1	3599.3	3479.6	3298.9	3118.1	2872.3	2626.6	2424.3	2222.1	2090.6
27.5°	3795.1	3680.9	3566.6	3358.9	3151.1	2851.6	2552.1	2326.2	2100.3	1980.5
30°	3897.6	3787.2	3676.9	3436.6	3196.3	2841.9	2487.3	2244.2	2001.0	1900.5
32.5°	4018.6	3909.3	3800.1	3517.7	3235.3	2829.9	2424.3	2173.5	1922.5	1841.5
35°	4165.6	4061.0	3956.3	3610.1	3263.9	2807.3	2350.9	2104.0	1857.0	1789.5
37.5°	4413.1	4279.7	4146.3	3713.6	3280.9	2768.6	2256.3	2022.1	1788.0	1729.0
40°	4787.1	4592.7	4398.3	3845.0	3291.6	2715.3	2139.1	1924.5	1710.0	1656.5
42.5°	5283.1	5002.5	4721.9	4016.9	3311.9	2660.3	2008.8	1816.8	1624.8	1575.5
45°	5895.6	5517.1	5138.6	4243.1	3347.6	2609.2	1870.8	1702.4	1534.0	1484.0
47.5°	6661.7	6128.9	5596.1	4484.1	3372.1	2567.0	1761.8	1611.9	1462.0	1397.5
50°	7665.7	6862.6	6059.3	4707.7	3356.1	2521.0	1685.8	1551.8	1417.8	1333.0
52.5°	8818.2	7633.2	6448.2	4852.9	3257.6	2443.3	1629.0	1512.2	1395.5	1298.0
55°	10045.2	8316.4	6587.7	4820.9	3054.1	2314.5	1574.8	1483.5	1392.2	1301.5
57.5°	11161.3	8800.6	6440.0	4595.7	2751.6	2132.9	1514.0	1449.5	1385.0	1305.0
60°	11835.8	8921.6	6007.3	4176.6	2345.9	1897.0	1448.2	1397.5	1346.8	1294.0
62.5°	11493.3	8412.1	5330.9	3609.9	1888.8	1614.8	1340.8	1307.1	1273.5	1267.0
65°	10807.8	7691.2	4574.6	3031.7	1488.8	1360.9	1233.0	1217.1	1201.2	1202.0
67.5°	9889.2	6833.3	3777.3	2465.3	1153.2	1116.9	1080.5	1089.4	1098.2	1096.0
70°	8785.7	5897.1	3008.6	1941.0	873.5	883.9	894.2	935.4	976.5	976.5
72.5°	7470.7	4882.3	2294.1	1483.9	673.8	705.1	736.5	794.9	853.2	863.0
75°	5807.1	3719.0	1630.8	1077.0	523.2	551.6	580.0	645.4	710.8	756.0
77.5°	4149.1	2603.0	1056.8	729.8	402.8	422.1	441.5	505.0	568.5	643.0
80°	2715.6	1677.0	638.5	470.2	302.0	310.0	318.0	371.8	425.5	514.5
82.5°	1578.5	970.6	362.8	289.2	215.8	217.2	218.8	258.4	298.0	374.0
85°	694.5	436.6	178.8	154.6	130.5	129.8	129.0	158.0	187.0	243.5
87.5°	215.0	143.0	71.0	64.1	57.2	56.5	55.8	67.6	79.5	103.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2578.9	2.5°	2559.7	2540.6	2523.3	2506.1	2491.0	2475.9	2460.7	2445.6	2433.9	2422.1
2556.1	5°	2519.9	2483.6	2453.2	2422.9	2396.1	2369.3	2345.0	2320.6	2301.9	2283.1
2547.9	7.5°	2499.7	2451.6	2411.6	2371.6	2337.9	2304.1	2274.3	2244.6	2222.3	2200.1
2551.9	10°	2501.1	2450.3	2410.3	2370.3	2334.0	2297.6	2264.1	2230.6	2204.0	2177.3
2556.9	12.5°	2515.3	2473.9	2447.3	2420.9	2392.3	2363.9	2329.2	2294.6	2260.6	2226.6
2535.6	15°	2515.7	2495.9	2499.5	2503.1	2495.7	2488.3	2458.2	2428.1	2379.7	2331.3
2470.6	17.5°	2477.9	2485.1	2528.7	2572.3	2595.5	2618.6	2594.3	2570.1	2506.0	2441.9
2364.6	20°	2398.6	2432.6	2508.3	2584.1	2632.6	2681.1	2669.9	2658.6	2585.3	2512.1
2244.3	22.5°	2294.6	2344.9	2431.3	2517.9	2581.0	2644.1	2650.9	2657.6	2587.6	2517.6
2127.6	25°	2185.6	2243.6	2321.3	2399.1	2461.2	2523.3	2546.5	2569.6	2512.2	2454.9
2025.5	27.5°	2081.6	2137.6	2201.5	2265.3	2315.1	2364.9	2390.7	2416.6	2375.7	2334.9
1935.8	30°	1980.2	2024.8	2077.9	2130.9	2172.2	2213.6	2234.6	2255.6	2224.5	2193.3
1857.2	32.5°	1883.5	1909.8	1952.1	1994.5	2034.1	2073.9	2097.2	2120.6	2092.0	2063.3
1783.0	35°	1790.2	1797.5	1829.8	1862.0	1901.2	1940.5	1968.5	1996.5	1976.1	1955.8
1705.2	37.5°	1697.2	1689.2	1712.4	1735.5	1774.6	1813.8	1848.4	1883.0	1873.6	1864.2
1620.0	40°	1601.9	1583.8	1600.5	1617.2	1655.0	1692.8	1732.6	1772.5	1774.8	1777.0
1529.5	42.5°	1505.5	1481.5	1495.1	1508.8	1544.6	1580.5	1623.5	1666.5	1678.0	1689.5
1439.5	45°	1416.1	1392.8	1404.2	1415.8	1449.8	1483.8	1528.4	1573.0	1589.5	1606.0
1359.2	47.5°	1339.6	1320.0	1330.8	1341.5	1374.8	1408.0	1452.0	1496.0	1515.0	1534.0
1288.5	50°	1271.1	1253.8	1270.6	1287.5	1318.9	1350.2	1389.6	1429.0	1453.4	1477.8
1235.8	52.5°	1218.6	1201.5	1226.8	1252.0	1280.8	1309.5	1346.2	1383.0	1411.9	1440.8
1207.8	55°	1180.6	1153.5	1189.4	1225.2	1256.2	1287.2	1319.4	1351.5	1382.1	1412.8
1191.0	57.5°	1151.4	1111.8	1150.4	1189.0	1225.4	1261.8	1293.6	1325.5	1356.4	1387.2
1175.2	60°	1123.9	1072.5	1106.4	1140.2	1182.0	1223.8	1256.1	1288.5	1319.5	1350.5
1156.8	62.5°	1092.6	1028.5	1050.0	1071.5	1120.2	1169.0	1203.5	1238.0	1266.4	1294.8
1118.0	65°	1049.8	981.5	989.8	998.0	1050.2	1102.5	1135.5	1168.5	1193.5	1218.5
1048.8	67.5°	992.0	935.2	932.6	930.0	978.2	1026.5	1057.8	1089.0	1110.6	1132.2
961.0	70°	920.6	880.2	871.2	862.2	904.6	947.0	974.0	1001.0	1020.5	1040.0
863.2	72.5°	835.5	807.8	794.6	781.5	814.9	848.2	872.6	897.0	916.1	935.2
752.2	75°	730.9	709.5	696.9	684.2	709.0	733.8	755.9	778.0	795.4	812.8
641.0	77.5°	623.9	606.8	594.0	581.2	601.4	621.5	640.5	659.5	677.8	696.0
514.2	80°	499.9	485.5	474.8	464.0	480.8	497.5	513.5	529.5	543.4	557.2
378.2	82.5°	371.2	364.2	356.6	349.0	347.6	346.2	340.6	335.0	364.6	394.2
249.0	85°	241.5	234.0	225.5	217.0	209.8	202.5	187.0	171.5	199.2	227.0
110.0	87.5°	107.0	104.0	102.4	100.8	100.5	100.2	88.4	76.5	88.1	99.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2412.6	2.5°	2403.1	2395.7	2388.3	2381.5	2374.6	2366.1	2374.6	2381.5	2388.3	2395.7
2270.0	5°	2256.9	2247.6	2238.3	2231.2	2224.1	2217.1	2224.1	2231.2	2238.3	2247.6
2184.5	7.5°	2168.9	2158.2	2147.6	2141.2	2134.9	2130.1	2134.9	2141.2	2147.6	2158.2
2159.9	10°	2142.3	2132.2	2122.1	2116.7	2111.3	2109.1	2111.3	2116.7	2122.1	2132.2
2204.1	12.5°	2181.6	2170.3	2159.1	2154.5	2149.9	2149.1	2149.9	2154.5	2159.1	2170.3
2297.1	15°	2262.9	2247.2	2231.6	2225.6	2219.6	2219.1	2219.6	2225.6	2231.6	2247.2
2391.5	17.5°	2341.1	2317.9	2294.6	2287.0	2279.3	2278.1	2279.3	2287.0	2294.6	2317.9
2450.3	20°	2388.6	2358.9	2329.1	2319.6	2310.1	2307.1	2310.1	2319.6	2329.1	2358.9
2454.0	22.5°	2390.3	2359.0	2327.6	2317.1	2306.6	2302.1	2306.6	2317.1	2327.6	2359.0
2398.3	25°	2341.9	2314.7	2287.6	2277.7	2267.9	2262.1	2267.9	2277.7	2287.6	2314.7
2291.0	27.5°	2247.1	2228.9	2210.6	2206.1	2201.6	2200.1	2201.6	2206.1	2210.6	2228.9
2161.9	30°	2130.3	2121.0	2111.6	2111.6	2111.6	2113.1	2111.6	2111.6	2111.6	2121.0
2038.1	32.5°	2013.0	2006.9	2000.8	2001.6	2002.5	2004.0	2002.5	2001.6	2000.8	2006.9
1932.6	35°	1909.5	1900.2	1891.0	1889.0	1887.0	1886.0	1887.0	1889.0	1891.0	1900.2
1842.9	37.5°	1821.5	1804.6	1787.8	1778.9	1770.0	1765.0	1770.0	1778.9	1787.8	1804.6
1758.9	40°	1740.8	1716.2	1691.8	1675.2	1658.8	1649.0	1658.8	1675.2	1691.8	1716.2
1674.2	42.5°	1659.0	1628.5	1598.0	1573.9	1549.8	1534.0	1549.8	1573.9	1598.0	1628.5
1592.2	45°	1578.5	1543.6	1508.8	1480.5	1452.2	1434.0	1452.2	1480.5	1508.8	1543.6
1524.4	47.5°	1514.8	1483.8	1452.8	1426.6	1400.5	1383.0	1400.5	1426.6	1452.8	1483.8
1477.2	50°	1476.8	1452.0	1427.2	1403.0	1378.8	1362.0	1378.8	1403.0	1427.2	1452.0
1446.0	52.5°	1451.2	1431.0	1410.8	1389.1	1367.5	1352.0	1367.5	1389.1	1410.8	1431.0
1420.0	55°	1427.2	1409.6	1392.0	1373.0	1354.0	1340.0	1354.0	1373.0	1392.0	1409.6
1394.5	57.5°	1401.8	1384.0	1366.2	1347.4	1328.5	1314.0	1328.5	1347.4	1366.2	1384.0
1358.5	60°	1366.5	1349.1	1331.8	1312.4	1293.0	1278.0	1293.0	1312.4	1331.8	1349.1
1302.5	62.5°	1310.2	1294.5	1278.8	1258.4	1238.0	1220.0	1238.0	1258.4	1278.8	1294.5
1226.4	65°	1234.2	1219.1	1204.0	1184.2	1164.5	1149.0	1164.5	1184.2	1204.0	1219.1
1139.9	67.5°	1147.5	1133.6	1119.8	1101.4	1083.0	1069.0	1083.0	1101.4	1119.8	1133.6
1047.4	70°	1054.8	1043.5	1032.2	1014.6	997.0	981.0	997.0	1014.6	1032.2	1043.5
944.0	72.5°	952.8	943.4	934.0	917.2	900.5	885.0	900.5	917.2	934.0	943.4
822.0	75°	831.2	826.6	822.0	807.9	793.8	779.0	793.8	807.9	822.0	826.6
704.6	77.5°	713.2	706.8	700.2	686.0	671.8	660.0	671.8	686.0	700.2	706.8
568.6	80°	580.0	577.2	574.5	555.4	536.2	514.0	536.2	555.4	574.5	577.2
413.6	82.5°	433.0	431.8	430.5	414.4	398.2	384.0	398.2	414.4	430.5	431.8
251.0	85°	275.0	273.0	271.0	258.4	245.8	233.0	245.8	258.4	271.0	273.0
109.5	87.5°	119.2	116.8	114.2	107.8	101.2	95.0	101.2	107.8	114.2	116.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2403.1	2.5°	2412.6	2422.1	2433.9	2445.6	2460.7	2475.9	2491.0	2506.1	2523.3	2540.6
2256.9	5°	2270.0	2283.1	2301.9	2320.6	2345.0	2369.3	2396.1	2422.9	2453.2	2483.6
2168.9	7.5°	2184.5	2200.1	2222.3	2244.6	2274.3	2304.1	2337.9	2371.6	2411.6	2451.6
2142.3	10°	2159.9	2177.3	2204.0	2230.6	2264.1	2297.6	2334.0	2370.3	2410.3	2450.3
2181.6	12.5°	2204.1	2226.6	2260.6	2294.6	2329.2	2363.9	2392.3	2420.9	2447.3	2473.9
2262.9	15°	2297.1	2331.3	2379.7	2428.1	2458.2	2488.3	2495.7	2503.1	2499.5	2495.9
2341.1	17.5°	2391.5	2441.9	2506.0	2570.1	2594.3	2618.6	2595.5	2572.3	2528.7	2485.1
2388.6	20°	2450.3	2512.1	2585.3	2658.6	2669.9	2681.1	2632.6	2584.1	2508.3	2432.6
2390.3	22.5°	2454.0	2517.6	2587.6	2657.6	2650.9	2644.1	2581.0	2517.9	2431.3	2344.9
2341.9	25°	2398.3	2454.9	2512.2	2569.6	2546.5	2523.3	2461.2	2399.1	2321.3	2243.6
2247.1	27.5°	2291.0	2334.9	2375.7	2416.6	2390.7	2364.9	2315.1	2265.3	2201.5	2137.6
2130.3	30°	2161.9	2193.3	2224.5	2255.6	2234.6	2213.6	2172.2	2130.9	2077.9	2024.8
2013.0	32.5°	2038.1	2063.3	2092.0	2120.6	2097.2	2073.9	2034.1	1994.5	1952.1	1909.8
1909.5	35°	1932.6	1955.8	1976.1	1996.5	1968.5	1940.5	1901.2	1862.0	1829.8	1797.5
1821.5	37.5°	1842.9	1864.2	1873.6	1883.0	1848.4	1813.8	1774.6	1735.5	1712.4	1689.2
1740.8	40°	1758.9	1777.0	1774.8	1772.5	1732.6	1692.8	1655.0	1617.2	1600.5	1583.8
1659.0	42.5°	1674.2	1689.5	1678.0	1666.5	1623.5	1580.5	1544.6	1508.8	1495.1	1481.5
1578.5	45°	1592.2	1606.0	1589.5	1573.0	1528.4	1483.8	1449.8	1415.8	1404.2	1392.8
1514.8	47.5°	1524.4	1534.0	1515.0	1496.0	1452.0	1408.0	1374.8	1341.5	1330.8	1320.0
1476.8	50°	1477.2	1477.8	1453.4	1429.0	1389.6	1350.2	1318.9	1287.5	1270.6	1253.8
1451.2	52.5°	1446.0	1440.8	1411.9	1383.0	1346.2	1309.5	1280.8	1252.0	1226.8	1201.5
1427.2	55°	1420.0	1412.8	1382.1	1351.5	1319.4	1287.2	1256.2	1225.2	1189.4	1153.5
1401.8	57.5°	1394.5	1387.2	1356.4	1325.5	1293.6	1261.8	1225.4	1189.0	1150.4	1111.8
1366.5	60°	1358.5	1350.5	1319.5	1288.5	1256.1	1223.8	1182.0	1140.2	1106.4	1072.5
1310.2	62.5°	1302.5	1294.8	1266.4	1238.0	1203.5	1169.0	1120.2	1071.5	1050.0	1028.5
1234.2	65°	1226.4	1218.5	1193.5	1168.5	1135.5	1102.5	1050.2	998.0	989.8	981.5
1147.5	67.5°	1139.9	1132.2	1110.6	1089.0	1057.8	1026.5	978.2	930.0	932.6	935.2
1054.8	70°	1047.4	1040.0	1020.5	1001.0	974.0	947.0	904.6	862.2	871.2	880.2
952.8	72.5°	944.0	935.2	916.1	897.0	872.6	848.2	814.9	781.5	794.6	807.8
831.2	75°	822.0	812.8	795.4	778.0	755.9	733.8	709.0	684.2	696.9	709.5
713.2	77.5°	704.6	696.0	677.8	659.5	640.5	621.5	601.4	581.2	594.0	606.8
580.0	80°	568.6	557.2	543.4	529.5	513.5	497.5	480.8	464.0	474.8	485.5
433.0	82.5°	413.6	394.2	364.6	335.0	340.6	346.2	347.6	349.0	356.6	364.2
275.0	85°	251.0	227.0	199.2	171.5	187.0	202.5	209.8	217.0	225.5	234.0
119.2	87.5°	109.5	99.8	88.1	76.5	88.4	100.2	100.5	100.8	102.4	104.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2559.7	2.5°	2578.9	2602.6	2623.9	2645.9	2667.9	2690.9	2713.9	2736.7	2759.6	2781.1
2519.9	5°	2556.1	2597.6	2639.6	2684.1	2728.6	2776.2	2823.9	2871.2	2918.6	2966.1
2499.7	7.5°	2547.9	2601.6	2658.9	2721.0	2783.1	2853.6	2924.1	2996.5	3068.9	3147.2
2501.1	10°	2551.9	2609.6	2680.3	2753.9	2827.3	2913.0	2998.6	3094.2	3189.9	3289.0
2515.3	12.5°	2556.9	2610.6	2684.9	2768.0	2851.1	2952.1	3053.1	3161.5	3269.9	3378.7
2515.7	15°	2535.6	2578.6	2660.9	2757.1	2853.3	2969.6	3085.9	3203.5	3321.1	3434.6
2477.9	17.5°	2470.6	2497.1	2593.9	2709.6	2825.3	2960.3	3095.3	3223.6	3351.9	3467.0
2398.6	20°	2364.6	2371.6	2484.3	2627.7	2771.1	2934.7	3098.3	3239.3	3380.3	3500.0
2294.6	22.5°	2244.3	2230.6	2358.9	2531.6	2704.3	2903.3	3102.3	3260.5	3418.6	3540.9
2185.6	25°	2127.6	2090.6	2222.1	2424.3	2626.6	2872.3	3118.1	3298.9	3479.6	3599.3
2081.6	27.5°	2025.5	1980.5	2100.3	2326.2	2552.1	2851.6	3151.1	3358.9	3566.6	3680.9
1980.2	30°	1935.8	1900.5	2001.0	2244.2	2487.3	2841.9	3196.3	3436.6	3676.9	3787.2
1883.5	32.5°	1857.2	1841.5	1922.5	2173.5	2424.3	2829.9	3235.3	3517.7	3800.1	3909.3
1790.2	35°	1783.0	1789.5	1857.0	2104.0	2350.9	2807.3	3263.9	3610.1	3956.3	4061.0
1697.2	37.5°	1705.2	1729.0	1788.0	2022.1	2256.3	2768.6	3280.9	3713.6	4146.3	4279.7
1601.9	40°	1620.0	1656.5	1710.0	1924.5	2139.1	2715.3	3291.6	3845.0	4398.3	4592.7
1505.5	42.5°	1529.5	1575.5	1624.8	1816.8	2008.8	2660.3	3311.9	4016.9	4721.9	5002.5
1416.1	45°	1439.5	1484.0	1534.0	1702.4	1870.8	2609.2	3347.6	4243.1	5138.6	5517.1
1339.6	47.5°	1359.2	1397.5	1462.0	1611.9	1761.8	2567.0	3372.1	4484.1	5596.1	6128.9
1271.1	50°	1288.5	1333.0	1417.8	1551.8	1685.8	2521.0	3356.1	4707.7	6059.3	6862.6
1218.6	52.5°	1235.8	1298.0	1395.5	1512.2	1629.0	2443.3	3257.6	4852.9	6448.2	7633.2
1180.6	55°	1207.8	1301.5	1392.2	1483.5	1574.8	2314.5	3054.1	4820.9	6587.7	8316.4
1151.4	57.5°	1191.0	1305.0	1385.0	1449.5	1514.0	2132.9	2751.6	4595.7	6440.0	8800.6
1123.9	60°	1175.2	1294.0	1346.8	1397.5	1448.2	1897.0	2345.9	4176.6	6007.3	8921.6
1092.6	62.5°	1156.8	1267.0	1273.5	1307.1	1340.8	1614.8	1888.8	3609.9	5330.9	8412.1
1049.8	65°	1118.0	1202.0	1201.2	1217.1	1233.0	1360.9	1488.8	3031.7	4574.6	7691.2
992.0	67.5°	1048.8	1096.0	1098.2	1089.4	1080.5	1116.9	1153.2	2465.3	3777.3	6833.3
920.6	70°	961.0	976.5	976.5	935.4	894.2	883.9	873.5	1941.0	3008.6	5897.1
835.5	72.5°	863.2	863.0	853.2	794.9	736.5	705.1	673.8	1483.9	2294.1	4882.3
730.9	75°	752.2	756.0	710.8	645.4	580.0	551.6	523.2	1077.0	1630.8	3719.0
623.9	77.5°	641.0	643.0	568.5	505.0	441.5	422.1	402.8	729.8	1056.8	2603.0
499.9	80°	514.2	514.5	425.5	371.8	318.0	310.0	302.0	470.2	638.5	1677.0
371.2	82.5°	378.2	374.0	298.0	258.4	218.8	217.2	215.8	289.2	362.8	970.6
241.5	85°	249.0	243.5	187.0	158.0	129.0	129.8	130.5	154.6	178.8	436.6
107.0	87.5°	110.0	103.0	79.5	67.6	55.8	56.5	57.2	64.1	71.0	143.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2802.6	2.5°	2813.2	2823.9	2839.0	2854.1	2863.1	2872.1	2876.6	2881.1	2879.1	2881.1
3013.6	5°	3050.7	3087.9	3124.7	3161.6	3181.6	3201.6	3213.7	3225.9	3235.1	3225.9
3225.6	7.5°	3286.0	3346.3	3400.6	3454.9	3487.6	3520.3	3538.0	3555.6	3564.1	3555.6
3388.1	10°	3459.5	3530.9	3594.6	3658.3	3696.9	3735.3	3752.5	3769.6	3776.1	3769.6
3487.6	12.5°	3565.0	3642.3	3699.9	3757.3	3785.3	3813.3	3822.7	3832.1	3833.1	3832.1
3548.1	15°	3614.9	3681.6	3717.7	3753.9	3754.9	3755.9	3745.9	3735.9	3724.1	3735.9
3582.1	17.5°	3627.2	3672.3	3673.0	3673.6	3633.1	3592.6	3555.5	3518.3	3492.1	3518.3
3619.6	20°	3635.3	3651.1	3603.6	3556.1	3466.7	3377.3	3312.2	3247.1	3207.1	3247.1
3663.1	22.5°	3642.5	3621.9	3523.5	3425.1	3293.6	3162.1	3080.7	2999.3	2955.1	2999.3
3719.1	25°	3654.1	3589.1	3439.7	3290.3	3130.6	2970.9	2885.3	2799.9	2758.1	2799.9
3795.1	27.5°	3678.9	3562.6	3364.7	3166.9	2989.9	2812.9	2728.7	2644.6	2605.1	2644.6
3897.6	30°	3724.3	3551.1	3307.5	3063.9	2879.5	2695.1	2617.0	2538.9	2502.1	2538.9
4018.6	32.5°	3781.3	3544.1	3268.5	2992.9	2819.6	2646.3	2585.0	2523.6	2497.1	2523.6
4165.6	35°	3875.2	3584.9	3297.7	3010.6	2890.2	2769.9	2755.6	2741.3	2739.1	2741.3
4413.1	37.5°	4071.5	3729.9	3468.9	3207.9	3200.1	3192.3	3257.7	3323.1	3357.1	3323.1
4787.1	40°	4415.6	4044.1	3850.0	3655.9	3792.9	3929.9	4088.9	4247.9	4327.1	4247.9
5283.1	42.5°	4914.5	4545.9	4434.1	4322.3	4621.1	4919.9	5209.1	5498.3	5668.1	5498.3
5895.6	45°	5564.5	5233.3	5184.0	5134.6	5613.3	6092.1	6567.4	7042.7	7331.2	7042.7
6661.7	47.5°	6339.6	6017.3	6007.3	5997.3	6688.0	7378.4	8074.1	8769.7	9178.2	8769.7
7665.7	50°	7267.8	6870.0	6871.7	6873.4	7763.4	8653.4	9571.7	10490.1	11045.3	10490.1
8818.2	52.5°	8336.4	7854.7	7806.0	7757.2	8820.3	9883.4	11019.7	12155.8	12821.3	12155.8
10045.2	55°	9569.2	9093.2	8903.3	8713.4	9896.6	11079.8	12434.3	13788.8	14580.4	13788.8
11161.3	57.5°	10902.1	10642.8	10261.8	9881.0	11075.8	12270.5	13804.7	15338.9	16320.4	15338.9
11835.8	60°	12238.4	12641.1	12168.1	11695.1	12825.7	13956.3	15599.0	17241.6	18302.4	17241.6
11493.3	62.5°	12593.4	13693.5	13640.2	13586.8	14622.6	15658.4	17221.2	18784.0	19764.5	18784.0
10807.8	65°	11840.3	12872.8	13077.1	13281.3	14597.6	15913.9	17429.3	18944.7	19779.5	18944.7
9889.2	67.5°	10871.3	11853.3	11949.1	12044.8	13416.2	14787.6	16309.5	17831.4	18485.4	17831.4
8785.7	70°	9853.8	10922.1	10964.9	11007.8	12234.2	13460.5	14770.3	16079.9	16443.4	16079.9
7470.7	72.5°	8696.4	9922.2	9953.0	9983.7	10943.3	11902.8	12883.7	13864.5	13901.3	13864.5
5807.1	75°	7075.8	8344.4	8458.3	8572.2	9318.7	10065.2	10755.8	11446.3	11261.3	11446.3
4149.1	77.5°	5333.3	6517.7	6680.7	6843.7	7411.2	7978.7	8468.4	8958.2	8640.2	8958.2
2715.6	80°	3711.9	4708.1	4910.7	5113.3	5541.9	5970.3	6227.6	6484.7	5973.1	6484.7
1578.5	82.5°	2259.7	2940.9	3167.2	3393.6	3688.6	3983.6	4090.9	4198.1	3796.1	4198.1
694.5	85°	1056.0	1417.5	1610.0	1802.5	2044.9	2287.3	2348.2	2409.1	2087.1	2409.1
215.0	87.5°	336.5	458.0	565.4	672.8	794.0	915.2	920.4	925.5	777.0	925.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949252
 CATALOG NUMBER: GALN-SB4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
2606.1	0°	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1	2606.1
2876.6	2.5°	2872.1	2863.1	2854.1	2839.0	2823.9	2813.2	2802.6
3213.7	5°	3201.6	3181.6	3161.6	3124.7	3087.9	3050.7	3013.6
3538.0	7.5°	3520.3	3487.6	3454.9	3400.6	3346.3	3286.0	3225.6
3752.5	10°	3735.3	3696.9	3658.3	3594.6	3530.9	3459.5	3388.1
3822.7	12.5°	3813.3	3785.3	3757.3	3699.9	3642.3	3565.0	3487.6
3745.9	15°	3755.9	3754.9	3753.9	3717.7	3681.6	3614.9	3548.1
3555.5	17.5°	3592.6	3633.1	3673.6	3673.0	3672.3	3627.2	3582.1
3312.2	20°	3377.3	3466.7	3556.1	3603.6	3651.1	3635.3	3619.6
3080.7	22.5°	3162.1	3293.6	3425.1	3523.5	3621.9	3642.5	3663.1
2885.3	25°	2970.9	3130.6	3290.3	3439.7	3589.1	3654.1	3719.1
2728.7	27.5°	2812.9	2989.9	3166.9	3364.7	3562.6	3678.9	3795.1
2617.0	30°	2695.1	2879.5	3063.9	3307.5	3551.1	3724.3	3897.6
2585.0	32.5°	2646.3	2819.6	2992.9	3268.5	3544.1	3781.3	4018.6
2755.6	35°	2769.9	2890.2	3010.6	3297.7	3584.9	3875.2	4165.6
3257.7	37.5°	3192.3	3200.1	3207.9	3468.9	3729.9	4071.5	4413.1
4088.9	40°	3929.9	3792.9	3655.9	3850.0	4044.1	4415.6	4787.1
5209.1	42.5°	4919.9	4621.1	4322.3	4434.1	4545.9	4914.5	5283.1
6567.4	45°	6092.1	5613.3	5134.6	5184.0	5233.3	5564.5	5895.6
8074.1	47.5°	7378.4	6688.0	5997.3	6007.3	6017.3	6339.6	6661.7
9571.7	50°	8653.4	7763.4	6873.4	6871.7	6870.0	7267.8	7665.7
11019.7	52.5°	9883.4	8820.3	7757.2	7806.0	7854.7	8336.4	8818.2
12434.3	55°	11079.8	9896.6	8713.4	8903.3	9093.2	9569.2	10045.2
13804.7	57.5°	12270.5	11075.8	9881.0	10261.8	10642.8	10902.1	11161.3
15599.0	60°	13956.3	12825.7	11695.1	12168.1	12641.1	12238.4	11835.8
17221.2	62.5°	15658.4	14622.6	13586.8	13640.2	13693.5	12593.4	11493.3
17429.3	65°	15913.9	14597.6	13281.3	13077.1	12872.8	11840.3	10807.8
16309.5	67.5°	14787.6	13416.2	12044.8	11949.1	11853.3	10871.3	9889.2
14770.3	70°	13460.5	12234.2	11007.8	10964.9	10922.1	9853.8	8785.7
12883.7	72.5°	11902.8	10943.3	9983.7	9953.0	9922.2	8696.4	7470.7
10755.8	75°	10065.2	9318.7	8572.2	8458.3	8344.4	7075.8	5807.1
8468.4	77.5°	7978.7	7411.2	6843.7	6680.7	6517.7	5333.3	4149.1
6227.6	80°	5970.3	5541.9	5113.3	4910.7	4708.1	3711.9	2715.6
4090.9	82.5°	3983.6	3688.6	3393.6	3167.2	2940.9	2259.7	1578.5
2348.2	85°	2287.3	2044.9	1802.5	1610.0	1417.5	1056.0	694.5
920.4	87.5°	915.2	794.0	672.8	565.4	458.0	336.5	215.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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