

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: P945577

Luminaire Tested: **GALN-SB1C-727-U-SLR**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945577  
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-SB1C-727-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6924 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 54.4  
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

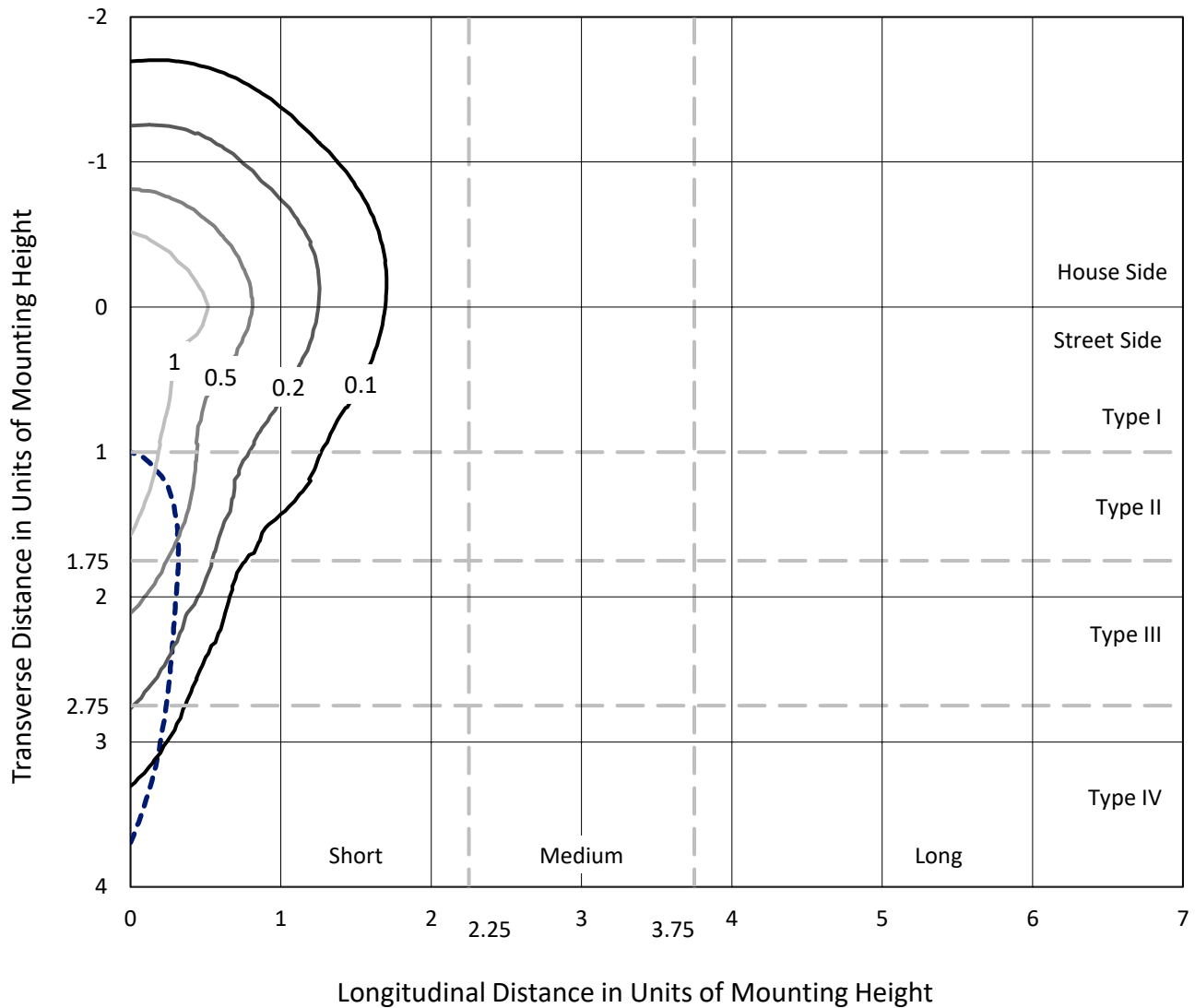


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## Iso-Footcandle Lines of Horizontal Illumination

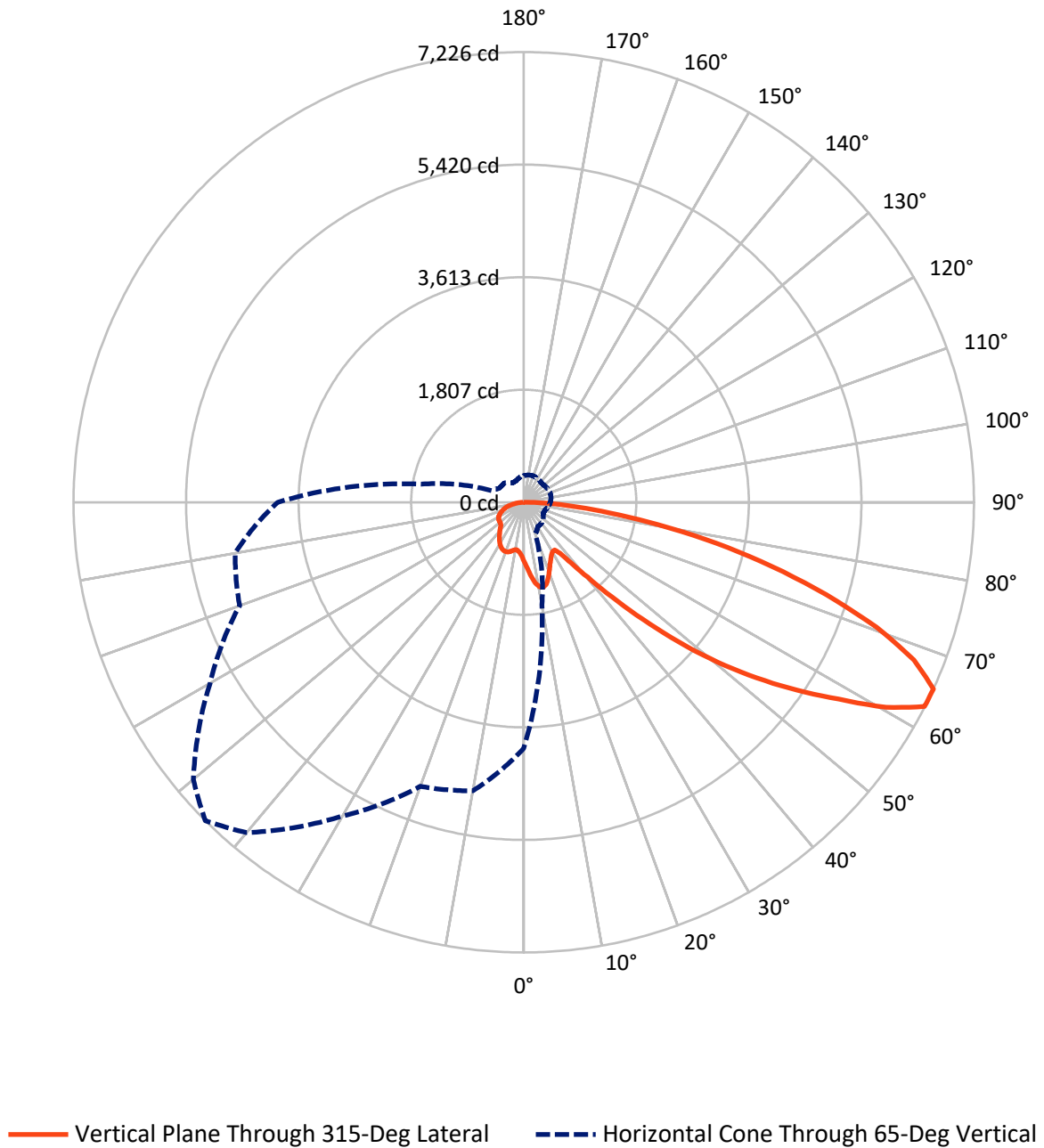
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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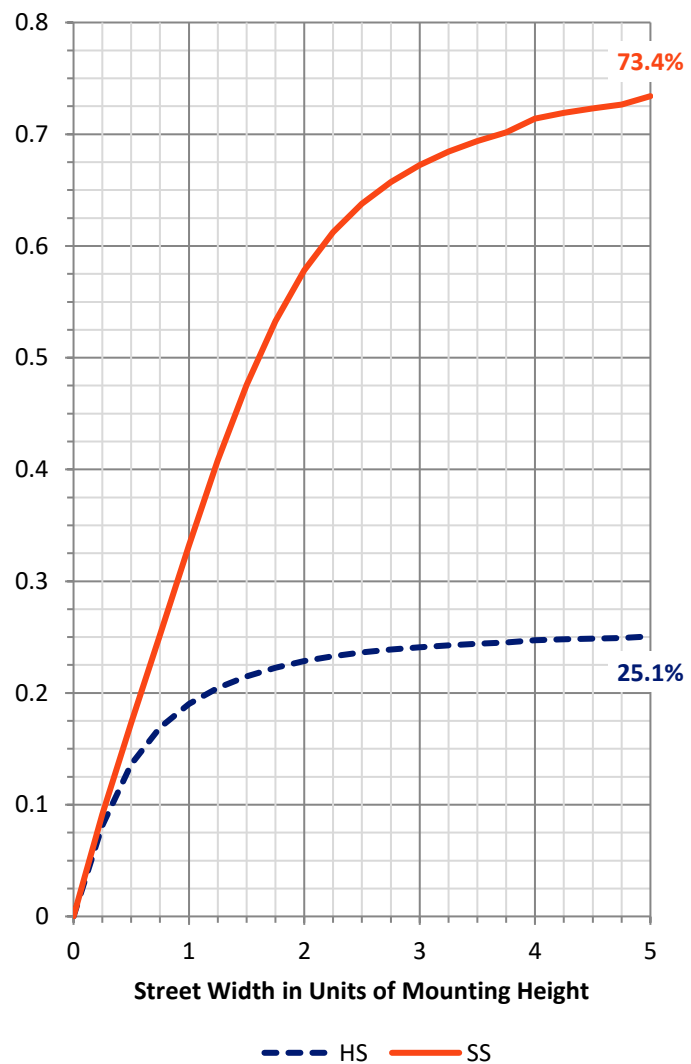
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1759.7   | 0.0    | 1759.7 |
|                    | % Fixture | 25.4     | 0.0    | 25.4   |
| <b>Street Side</b> | Lumens    | 5164.3   | 0.0    | 5164.3 |
|                    | % Fixture | 74.6     | 0.0    | 74.6   |
| <b>Total</b>       | Lumens    | 6924.0   | 0.0    | 6924.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 94.4   | 1.4       |
| 10°-20°   | 296.5  | 4.3       |
| 20°-30°   | 458.0  | 6.6       |
| 30°-40°   | 580.4  | 8.4       |
| 40°-50°   | 875.4  | 12.6      |
| 50°-60°   | 1414.3 | 20.4      |
| 60°-70°   | 1763.1 | 25.5      |
| 70°-80°   | 1156.2 | 16.7      |
| 80°-90°   | 285.8  | 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°    | 6924.0 | 100.0     |
| 0°-180°   | 6924.0 | 100.0     |

**Coefficient of Utilization**



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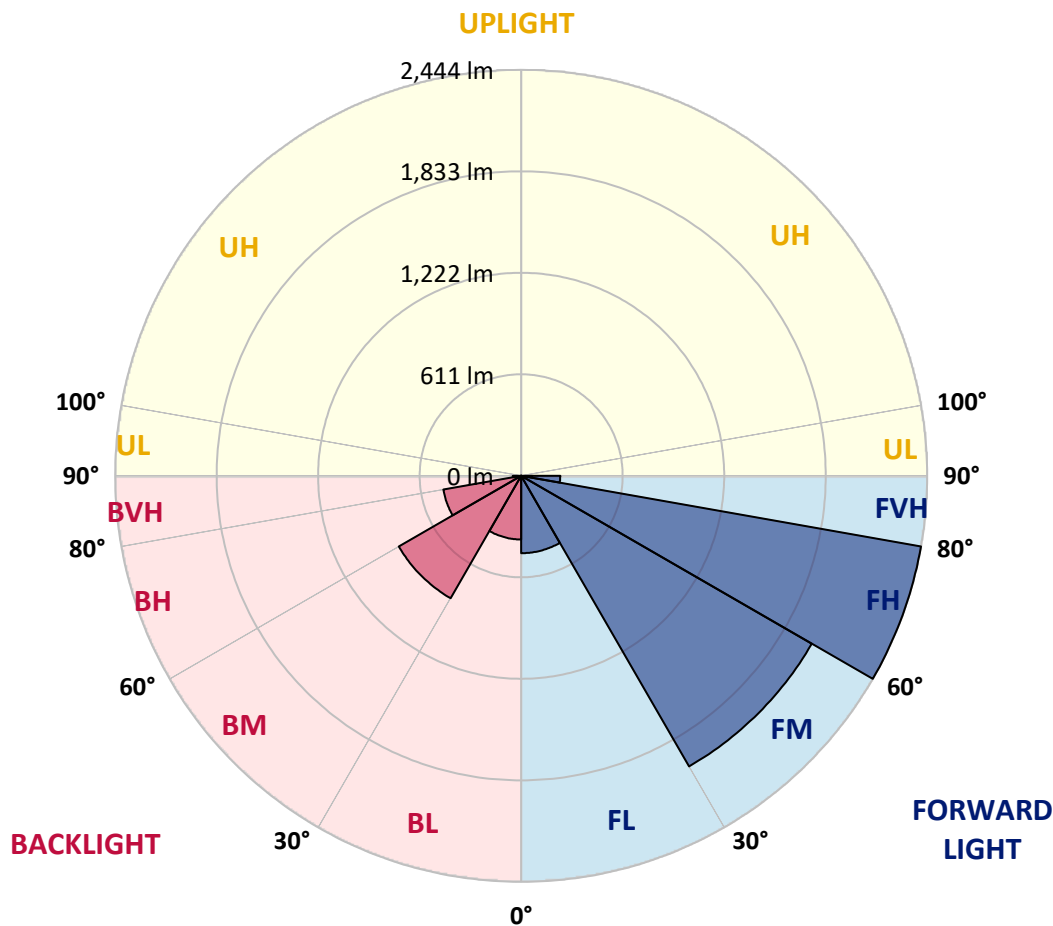
CATALOG NUMBER: GALN-SB1C-727-U-SLR

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 465.7  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 2019.6 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 2443.5 | 35.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 235.5  | 3.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 383.2  | 5.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 850.4  | 12.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 475.8  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 50.4   | 0.7       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°   | 45°   | 50°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1 | 952.1 | 952.1 |
| 2.5°  | 1023.9 | 1016.0 | 1008.2 | 999.8  | 991.5  | 983.1  | 974.7  | 966.7  | 958.6 | 950.8 | 942.2 |
| 5°    | 1101.0 | 1083.6 | 1066.3 | 1049.0 | 1031.7 | 1014.3 | 996.9  | 980.6  | 964.3 | 949.0 | 933.8 |
| 7.5°  | 1178.4 | 1149.8 | 1121.2 | 1094.7 | 1068.3 | 1042.5 | 1016.8 | 994.1  | 971.4 | 950.5 | 930.8 |
| 10°   | 1237.8 | 1201.6 | 1165.4 | 1130.4 | 1095.5 | 1064.2 | 1032.9 | 1006.1 | 979.2 | 953.4 | 932.3 |
| 12.5° | 1274.2 | 1234.4 | 1194.6 | 1155.0 | 1115.4 | 1078.5 | 1041.6 | 1011.3 | 980.9 | 953.8 | 934.1 |
| 15°   | 1296.3 | 1254.8 | 1213.3 | 1170.4 | 1127.4 | 1084.9 | 1042.4 | 1007.3 | 972.1 | 942.1 | 926.4 |
| 17.5° | 1308.7 | 1266.6 | 1224.6 | 1177.7 | 1130.8 | 1081.5 | 1032.2 | 989.9  | 947.7 | 912.3 | 902.6 |
| 20°   | 1322.4 | 1278.7 | 1235.0 | 1183.5 | 1131.9 | 1072.2 | 1012.4 | 960.0  | 907.6 | 866.4 | 863.9 |
| 22.5° | 1338.3 | 1293.6 | 1249.0 | 1191.2 | 1133.4 | 1060.7 | 988.0  | 924.9  | 861.8 | 814.9 | 819.9 |
| 25°   | 1358.7 | 1315.0 | 1271.2 | 1205.2 | 1139.2 | 1049.4 | 959.6  | 885.7  | 811.8 | 763.8 | 777.3 |
| 27.5° | 1386.5 | 1344.8 | 1303.0 | 1227.1 | 1151.2 | 1041.8 | 932.4  | 849.8  | 767.3 | 723.6 | 740.0 |
| 30°   | 1424.0 | 1383.6 | 1343.3 | 1255.5 | 1167.7 | 1038.3 | 908.7  | 819.9  | 731.1 | 694.4 | 707.3 |
| 32.5° | 1468.2 | 1428.2 | 1388.3 | 1285.2 | 1182.0 | 1033.9 | 885.7  | 794.1  | 702.4 | 672.8 | 678.5 |
| 35°   | 1521.9 | 1483.7 | 1445.4 | 1318.9 | 1192.4 | 1025.6 | 858.9  | 768.7  | 678.5 | 653.8 | 651.4 |
| 37.5° | 1612.3 | 1563.6 | 1514.8 | 1356.7 | 1198.6 | 1011.5 | 824.3  | 738.8  | 653.3 | 631.7 | 623.0 |
| 40°   | 1748.9 | 1677.9 | 1606.9 | 1404.7 | 1202.6 | 992.0  | 781.5  | 703.1  | 624.8 | 605.2 | 591.9 |
| 42.5° | 1930.2 | 1827.6 | 1725.1 | 1467.5 | 1210.0 | 971.9  | 733.9  | 663.8  | 593.6 | 575.6 | 558.8 |
| 45°   | 2153.9 | 2015.7 | 1877.4 | 1550.2 | 1223.0 | 953.2  | 683.5  | 622.0  | 560.5 | 542.2 | 525.9 |
| 47.5° | 2433.8 | 2239.2 | 2044.5 | 1638.2 | 1232.0 | 937.8  | 643.7  | 588.9  | 534.1 | 510.6 | 496.6 |
| 50°   | 2800.6 | 2507.2 | 2213.7 | 1719.9 | 1226.1 | 921.0  | 615.9  | 567.0  | 518.0 | 487.0 | 470.8 |
| 52.5° | 3221.7 | 2788.7 | 2355.8 | 1773.0 | 1190.1 | 892.6  | 595.2  | 552.5  | 509.8 | 474.2 | 451.5 |
| 55°   | 3670.0 | 3038.3 | 2406.8 | 1761.3 | 1115.8 | 845.6  | 575.4  | 542.0  | 508.6 | 475.5 | 441.3 |
| 57.5° | 4077.7 | 3215.3 | 2352.8 | 1679.0 | 1005.3 | 779.2  | 553.1  | 529.6  | 506.0 | 476.8 | 435.1 |
| 60°   | 4324.1 | 3259.5 | 2194.7 | 1525.9 | 857.0  | 693.1  | 529.1  | 510.6  | 492.1 | 472.8 | 429.4 |
| 62.5° | 4199.0 | 3073.3 | 1947.6 | 1318.9 | 690.1  | 590.0  | 489.9  | 477.6  | 465.3 | 462.9 | 422.6 |
| 65°   | 3948.6 | 2809.9 | 1671.3 | 1107.6 | 543.9  | 497.2  | 450.5  | 444.7  | 438.9 | 439.2 | 408.5 |
| 67.5° | 3613.0 | 2496.5 | 1380.0 | 900.7  | 421.3  | 408.1  | 394.8  | 398.0  | 401.2 | 400.4 | 383.2 |
| 70°   | 3209.8 | 2154.5 | 1099.2 | 709.1  | 319.1  | 322.9  | 326.7  | 341.8  | 356.8 | 356.8 | 351.1 |
| 72.5° | 2729.4 | 1783.7 | 838.1  | 542.1  | 246.2  | 257.6  | 269.1  | 290.4  | 311.7 | 315.3 | 315.4 |
| 75°   | 2121.6 | 1358.7 | 595.8  | 393.5  | 191.2  | 201.5  | 211.9  | 235.8  | 259.7 | 276.2 | 274.8 |
| 77.5° | 1515.8 | 951.0  | 386.1  | 266.6  | 147.2  | 154.2  | 161.3  | 184.5  | 207.7 | 234.9 | 234.2 |
| 80°   | 992.1  | 612.7  | 233.3  | 171.8  | 110.3  | 113.3  | 116.2  | 135.8  | 155.5 | 188.0 | 187.9 |
| 82.5° | 576.7  | 354.6  | 132.6  | 105.7  | 78.8   | 79.4   | 79.9   | 94.4   | 108.9 | 136.6 | 138.2 |
| 85°   | 253.7  | 159.5  | 65.3   | 56.5   | 47.7   | 47.4   | 47.1   | 57.7   | 68.3  | 89.0  | 91.0  |
| 87.5° | 78.6   | 52.2   | 25.9   | 23.4   | 20.9   | 20.6   | 20.4   | 24.7   | 29.0  | 37.6  | 40.2  |
| 90°   | 0.0    | 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 |
| 2.5°  | 935.2 | 928.2 | 921.9 | 915.6 | 910.1 | 904.5 | 899.0 | 893.5 | 889.2 | 884.9 | 881.4 |
| 5°    | 920.6 | 907.4 | 896.2 | 885.2 | 875.4 | 865.6 | 856.7 | 847.8 | 841.0 | 834.1 | 829.3 |
| 7.5°  | 913.2 | 895.7 | 881.0 | 866.4 | 854.1 | 841.8 | 830.9 | 820.0 | 811.9 | 803.8 | 798.1 |
| 10°   | 913.7 | 895.2 | 880.6 | 866.0 | 852.7 | 839.4 | 827.2 | 814.9 | 805.2 | 795.4 | 789.1 |
| 12.5° | 918.9 | 903.8 | 894.1 | 884.4 | 874.0 | 863.6 | 850.9 | 838.3 | 825.9 | 813.5 | 805.2 |
| 15°   | 919.1 | 911.8 | 913.2 | 914.5 | 911.8 | 909.1 | 898.1 | 887.1 | 869.4 | 851.7 | 839.2 |
| 17.5° | 905.3 | 907.9 | 923.8 | 939.8 | 948.2 | 956.7 | 947.8 | 939.0 | 915.5 | 892.1 | 873.7 |
| 20°   | 876.3 | 888.7 | 916.4 | 944.1 | 961.8 | 979.5 | 975.4 | 971.3 | 944.5 | 917.8 | 895.2 |
| 22.5° | 838.3 | 856.7 | 888.2 | 919.9 | 942.9 | 966.0 | 968.5 | 970.9 | 945.4 | 919.8 | 896.5 |
| 25°   | 798.5 | 819.7 | 848.1 | 876.5 | 899.2 | 921.9 | 930.3 | 938.8 | 917.8 | 896.9 | 876.2 |
| 27.5° | 760.5 | 780.9 | 804.3 | 827.6 | 845.8 | 864.0 | 873.4 | 882.9 | 867.9 | 853.0 | 837.0 |
| 30°   | 723.5 | 739.8 | 759.1 | 778.5 | 793.6 | 808.7 | 816.4 | 824.1 | 812.7 | 801.3 | 789.8 |
| 32.5° | 688.1 | 697.8 | 713.2 | 728.7 | 743.2 | 757.7 | 766.2 | 774.7 | 764.3 | 753.8 | 744.6 |
| 35°   | 654.1 | 656.7 | 668.5 | 680.3 | 694.6 | 709.0 | 719.2 | 729.4 | 722.0 | 714.6 | 706.1 |
| 37.5° | 620.1 | 617.2 | 625.6 | 634.1 | 648.4 | 662.7 | 675.3 | 688.0 | 684.5 | 681.1 | 673.3 |
| 40°   | 585.3 | 578.6 | 584.7 | 590.8 | 604.7 | 618.5 | 633.0 | 647.6 | 648.4 | 649.2 | 642.6 |
| 42.5° | 550.0 | 541.3 | 546.2 | 551.2 | 564.3 | 577.4 | 593.2 | 608.9 | 613.1 | 617.3 | 611.7 |
| 45°   | 517.4 | 508.9 | 513.0 | 517.3 | 529.7 | 542.1 | 558.4 | 574.7 | 580.7 | 586.8 | 581.7 |
| 47.5° | 489.4 | 482.3 | 486.2 | 490.1 | 502.3 | 514.4 | 530.5 | 546.6 | 553.5 | 560.5 | 556.9 |
| 50°   | 464.4 | 458.1 | 464.2 | 470.4 | 481.9 | 493.3 | 507.7 | 522.1 | 531.0 | 539.9 | 539.7 |
| 52.5° | 445.2 | 439.0 | 448.2 | 457.4 | 467.9 | 478.4 | 491.8 | 505.3 | 515.8 | 526.4 | 528.3 |
| 55°   | 431.3 | 421.4 | 434.6 | 447.6 | 459.0 | 470.3 | 482.0 | 493.8 | 505.0 | 516.2 | 518.8 |
| 57.5° | 420.7 | 406.2 | 420.3 | 434.4 | 447.7 | 461.0 | 472.6 | 484.3 | 495.6 | 506.8 | 509.5 |
| 60°   | 410.6 | 391.8 | 404.2 | 416.6 | 431.8 | 447.1 | 458.9 | 470.8 | 482.1 | 493.4 | 496.3 |
| 62.5° | 399.2 | 375.8 | 383.6 | 391.5 | 409.3 | 427.1 | 439.7 | 452.3 | 462.7 | 473.1 | 475.9 |
| 65°   | 383.5 | 358.6 | 361.6 | 364.6 | 383.7 | 402.8 | 414.9 | 426.9 | 436.0 | 445.2 | 448.1 |
| 67.5° | 362.4 | 341.7 | 340.7 | 339.8 | 357.4 | 375.0 | 386.5 | 397.9 | 405.8 | 413.7 | 416.5 |
| 70°   | 336.3 | 321.6 | 318.3 | 315.0 | 330.5 | 346.0 | 355.9 | 365.7 | 372.8 | 380.0 | 382.7 |
| 72.5° | 305.3 | 295.1 | 290.3 | 285.5 | 297.7 | 309.9 | 318.8 | 327.7 | 334.7 | 341.7 | 344.9 |
| 75°   | 267.0 | 259.2 | 254.6 | 250.0 | 259.0 | 268.1 | 276.2 | 284.2 | 290.6 | 297.0 | 300.3 |
| 77.5° | 227.9 | 221.7 | 217.0 | 212.3 | 219.7 | 227.1 | 234.0 | 241.0 | 247.6 | 254.3 | 257.4 |
| 80°   | 182.6 | 177.4 | 173.5 | 169.5 | 175.7 | 181.8 | 187.6 | 193.5 | 198.5 | 203.6 | 207.7 |
| 82.5° | 135.6 | 133.1 | 130.3 | 127.5 | 127.0 | 126.5 | 124.4 | 122.4 | 133.2 | 144.0 | 151.1 |
| 85°   | 88.2  | 85.5  | 82.4  | 79.3  | 76.7  | 74.0  | 68.3  | 62.7  | 72.8  | 82.9  | 91.7  |
| 87.5° | 39.1  | 38.0  | 37.4  | 36.8  | 36.7  | 36.6  | 32.3  | 27.9  | 32.2  | 36.5  | 40.0  |
| 90°   | 0.0   | 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 |
| 2.5°  | 877.9 | 875.2 | 872.5 | 870.1 | 867.5 | 864.4 | 867.5 | 870.1 | 872.5 | 875.2 | 877.9 |
| 5°    | 824.5 | 821.1 | 817.7 | 815.1 | 812.5 | 810.0 | 812.5 | 815.1 | 817.7 | 821.1 | 824.5 |
| 7.5°  | 792.4 | 788.5 | 784.6 | 782.3 | 780.0 | 778.2 | 780.0 | 782.3 | 784.6 | 788.5 | 792.4 |
| 10°   | 782.7 | 779.0 | 775.3 | 773.3 | 771.3 | 770.5 | 771.3 | 773.3 | 775.3 | 779.0 | 782.7 |
| 12.5° | 797.0 | 792.9 | 788.8 | 787.1 | 785.4 | 785.1 | 785.4 | 787.1 | 788.8 | 792.9 | 797.0 |
| 15°   | 826.7 | 821.0 | 815.3 | 813.1 | 810.9 | 810.7 | 810.9 | 813.1 | 815.3 | 821.0 | 826.7 |
| 17.5° | 855.3 | 846.8 | 838.3 | 835.5 | 832.7 | 832.3 | 832.7 | 835.5 | 838.3 | 846.8 | 855.3 |
| 20°   | 872.6 | 861.8 | 850.9 | 847.4 | 844.0 | 842.9 | 844.0 | 847.4 | 850.9 | 861.8 | 872.6 |
| 22.5° | 873.3 | 861.8 | 850.4 | 846.5 | 842.7 | 841.0 | 842.7 | 846.5 | 850.4 | 861.8 | 873.3 |
| 25°   | 855.6 | 845.6 | 835.7 | 832.1 | 828.5 | 826.4 | 828.5 | 832.1 | 835.7 | 845.6 | 855.6 |
| 27.5° | 820.9 | 814.3 | 807.6 | 806.0 | 804.3 | 803.8 | 804.3 | 806.0 | 807.6 | 814.3 | 820.9 |
| 30°   | 778.3 | 774.9 | 771.4 | 771.4 | 771.4 | 772.0 | 771.4 | 771.4 | 771.4 | 774.9 | 778.3 |
| 32.5° | 735.5 | 733.2 | 731.0 | 731.3 | 731.6 | 732.2 | 731.6 | 731.3 | 731.0 | 733.2 | 735.5 |
| 35°   | 697.6 | 694.2 | 690.9 | 690.2 | 689.4 | 689.1 | 689.4 | 690.2 | 690.9 | 694.2 | 697.6 |
| 37.5° | 665.5 | 659.3 | 653.2 | 649.9 | 646.7 | 644.8 | 646.7 | 649.9 | 653.2 | 659.3 | 665.5 |
| 40°   | 636.0 | 627.0 | 618.1 | 612.0 | 606.0 | 602.5 | 606.0 | 612.0 | 618.1 | 627.0 | 636.0 |
| 42.5° | 606.1 | 595.0 | 583.8 | 575.0 | 566.2 | 560.5 | 566.2 | 575.0 | 583.8 | 595.0 | 606.1 |
| 45°   | 576.7 | 564.0 | 551.2 | 540.9 | 530.6 | 523.9 | 530.6 | 540.9 | 551.2 | 564.0 | 576.7 |
| 47.5° | 553.4 | 542.1 | 530.8 | 521.2 | 511.7 | 505.3 | 511.7 | 521.2 | 530.8 | 542.1 | 553.4 |
| 50°   | 539.6 | 530.5 | 521.4 | 512.6 | 503.7 | 497.6 | 503.7 | 512.6 | 521.4 | 530.5 | 539.6 |
| 52.5° | 530.2 | 522.8 | 515.4 | 507.5 | 499.6 | 494.0 | 499.6 | 507.5 | 515.4 | 522.8 | 530.2 |
| 55°   | 521.4 | 515.0 | 508.6 | 501.6 | 494.7 | 489.6 | 494.7 | 501.6 | 508.6 | 515.0 | 521.4 |
| 57.5° | 512.2 | 505.6 | 499.1 | 492.3 | 485.4 | 480.1 | 485.4 | 492.3 | 499.1 | 505.6 | 512.2 |
| 60°   | 499.3 | 492.9 | 486.6 | 479.5 | 472.4 | 466.9 | 472.4 | 479.5 | 486.6 | 492.9 | 499.3 |
| 62.5° | 478.7 | 472.9 | 467.2 | 459.8 | 452.3 | 445.7 | 452.3 | 459.8 | 467.2 | 472.9 | 478.7 |
| 65°   | 450.9 | 445.4 | 439.9 | 432.7 | 425.5 | 419.8 | 425.5 | 432.7 | 439.9 | 445.4 | 450.9 |
| 67.5° | 419.2 | 414.2 | 409.1 | 402.4 | 395.7 | 390.6 | 395.7 | 402.4 | 409.1 | 414.2 | 419.2 |
| 70°   | 385.4 | 381.2 | 377.1 | 370.7 | 364.3 | 358.4 | 364.3 | 370.7 | 377.1 | 381.2 | 385.4 |
| 72.5° | 348.1 | 344.7 | 341.2 | 335.1 | 329.0 | 323.3 | 329.0 | 335.1 | 341.2 | 344.7 | 348.1 |
| 75°   | 303.7 | 302.0 | 300.3 | 295.2 | 290.0 | 284.6 | 290.0 | 295.2 | 300.3 | 302.0 | 303.7 |
| 77.5° | 260.6 | 258.2 | 255.8 | 250.6 | 245.4 | 241.1 | 245.4 | 250.6 | 255.8 | 258.2 | 260.6 |
| 80°   | 211.9 | 210.9 | 209.9 | 202.9 | 195.9 | 187.8 | 195.9 | 202.9 | 209.9 | 210.9 | 211.9 |
| 82.5° | 158.2 | 157.8 | 157.3 | 151.4 | 145.5 | 140.3 | 145.5 | 151.4 | 157.3 | 157.8 | 158.2 |
| 85°   | 100.5 | 99.7  | 99.0  | 94.4  | 89.8  | 85.1  | 89.8  | 94.4  | 99.0  | 99.7  | 100.5 |
| 87.5° | 43.6  | 42.7  | 41.7  | 39.4  | 37.0  | 34.7  | 37.0  | 39.4  | 41.7  | 42.7  | 43.6  |
| 90°   | 0.0   | 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):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 | 952.1 |
| 2.5°  | 881.4 | 884.9 | 889.2 | 893.5 | 899.0 | 904.5 | 910.1 | 915.6 | 921.9 | 928.2 | 935.2 |
| 5°    | 829.3 | 834.1 | 841.0 | 847.8 | 856.7 | 865.6 | 875.4 | 885.2 | 896.2 | 907.4 | 920.6 |
| 7.5°  | 798.1 | 803.8 | 811.9 | 820.0 | 830.9 | 841.8 | 854.1 | 866.4 | 881.0 | 895.7 | 913.2 |
| 10°   | 789.1 | 795.4 | 805.2 | 814.9 | 827.2 | 839.4 | 852.7 | 866.0 | 880.6 | 895.2 | 913.7 |
| 12.5° | 805.2 | 813.5 | 825.9 | 838.3 | 850.9 | 863.6 | 874.0 | 884.4 | 894.1 | 903.8 | 918.9 |
| 15°   | 839.2 | 851.7 | 869.4 | 887.1 | 898.1 | 909.1 | 911.8 | 914.5 | 913.2 | 911.8 | 919.1 |
| 17.5° | 873.7 | 892.1 | 915.5 | 939.0 | 947.8 | 956.7 | 948.2 | 939.8 | 923.8 | 907.9 | 905.3 |
| 20°   | 895.2 | 917.8 | 944.5 | 971.3 | 975.4 | 979.5 | 961.8 | 944.1 | 916.4 | 888.7 | 876.3 |
| 22.5° | 896.5 | 919.8 | 945.4 | 970.9 | 968.5 | 966.0 | 942.9 | 919.9 | 888.2 | 856.7 | 838.3 |
| 25°   | 876.2 | 896.9 | 917.8 | 938.8 | 930.3 | 921.9 | 899.2 | 876.5 | 848.1 | 819.7 | 798.5 |
| 27.5° | 837.0 | 853.0 | 867.9 | 882.9 | 873.4 | 864.0 | 845.8 | 827.6 | 804.3 | 780.9 | 760.5 |
| 30°   | 789.8 | 801.3 | 812.7 | 824.1 | 816.4 | 808.7 | 793.6 | 778.5 | 759.1 | 739.8 | 723.5 |
| 32.5° | 744.6 | 753.8 | 764.3 | 774.7 | 766.2 | 757.7 | 743.2 | 728.7 | 713.2 | 697.8 | 688.1 |
| 35°   | 706.1 | 714.6 | 722.0 | 729.4 | 719.2 | 709.0 | 694.6 | 680.3 | 668.5 | 656.7 | 654.1 |
| 37.5° | 673.3 | 681.1 | 684.5 | 688.0 | 675.3 | 662.7 | 648.4 | 634.1 | 625.6 | 617.2 | 620.1 |
| 40°   | 642.6 | 649.2 | 648.4 | 647.6 | 633.0 | 618.5 | 604.7 | 590.8 | 584.7 | 578.6 | 585.3 |
| 42.5° | 611.7 | 617.3 | 613.1 | 608.9 | 593.2 | 577.4 | 564.3 | 551.2 | 546.2 | 541.3 | 550.0 |
| 45°   | 581.7 | 586.8 | 580.7 | 574.7 | 558.4 | 542.1 | 529.7 | 517.3 | 513.0 | 508.9 | 517.4 |
| 47.5° | 556.9 | 560.5 | 553.5 | 546.6 | 530.5 | 514.4 | 502.3 | 490.1 | 486.2 | 482.3 | 489.4 |
| 50°   | 539.7 | 539.9 | 531.0 | 522.1 | 507.7 | 493.3 | 481.9 | 470.4 | 464.2 | 458.1 | 464.4 |
| 52.5° | 528.3 | 526.4 | 515.8 | 505.3 | 491.8 | 478.4 | 467.9 | 457.4 | 448.2 | 439.0 | 445.2 |
| 55°   | 518.8 | 516.2 | 505.0 | 493.8 | 482.0 | 470.3 | 459.0 | 447.6 | 434.6 | 421.4 | 431.3 |
| 57.5° | 509.5 | 506.8 | 495.6 | 484.3 | 472.6 | 461.0 | 447.7 | 434.4 | 420.3 | 406.2 | 420.7 |
| 60°   | 496.3 | 493.4 | 482.1 | 470.8 | 458.9 | 447.1 | 431.8 | 416.6 | 404.2 | 391.8 | 410.6 |
| 62.5° | 475.9 | 473.1 | 462.7 | 452.3 | 439.7 | 427.1 | 409.3 | 391.5 | 383.6 | 375.8 | 399.2 |
| 65°   | 448.1 | 445.2 | 436.0 | 426.9 | 414.9 | 402.8 | 383.7 | 364.6 | 361.6 | 358.6 | 383.5 |
| 67.5° | 416.5 | 413.7 | 405.8 | 397.9 | 386.5 | 375.0 | 357.4 | 339.8 | 340.7 | 341.7 | 362.4 |
| 70°   | 382.7 | 380.0 | 372.8 | 365.7 | 355.9 | 346.0 | 330.5 | 315.0 | 318.3 | 321.6 | 336.3 |
| 72.5° | 344.9 | 341.7 | 334.7 | 327.7 | 318.8 | 309.9 | 297.7 | 285.5 | 290.3 | 295.1 | 305.3 |
| 75°   | 300.3 | 297.0 | 290.6 | 284.2 | 276.2 | 268.1 | 259.0 | 250.0 | 254.6 | 259.2 | 267.0 |
| 77.5° | 257.4 | 254.3 | 247.6 | 241.0 | 234.0 | 227.1 | 219.7 | 212.3 | 217.0 | 221.7 | 227.9 |
| 80°   | 207.7 | 203.6 | 198.5 | 193.5 | 187.6 | 181.8 | 175.7 | 169.5 | 173.5 | 177.4 | 182.6 |
| 82.5° | 151.1 | 144.0 | 133.2 | 122.4 | 124.4 | 126.5 | 127.0 | 127.5 | 130.3 | 133.1 | 135.6 |
| 85°   | 91.7  | 82.9  | 72.8  | 62.7  | 68.3  | 74.0  | 76.7  | 79.3  | 82.4  | 85.5  | 88.2  |
| 87.5° | 40.0  | 36.5  | 32.2  | 27.9  | 32.3  | 36.6  | 36.7  | 36.8  | 37.4  | 38.0  | 39.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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CATALOG NUMBER: GALN-SB1C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 952.1 | 952.1 | 952.1 | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  |
| 2.5°  | 942.2 | 950.8 | 958.6 | 966.7  | 974.7  | 983.1  | 991.5  | 999.8  | 1008.2 | 1016.0 | 1023.9 |
| 5°    | 933.8 | 949.0 | 964.3 | 980.6  | 996.9  | 1014.3 | 1031.7 | 1049.0 | 1066.3 | 1083.6 | 1101.0 |
| 7.5°  | 930.8 | 950.5 | 971.4 | 994.1  | 1016.8 | 1042.5 | 1068.3 | 1094.7 | 1121.2 | 1149.8 | 1178.4 |
| 10°   | 932.3 | 953.4 | 979.2 | 1006.1 | 1032.9 | 1064.2 | 1095.5 | 1130.4 | 1165.4 | 1201.6 | 1237.8 |
| 12.5° | 934.1 | 953.8 | 980.9 | 1011.3 | 1041.6 | 1078.5 | 1115.4 | 1155.0 | 1194.6 | 1234.4 | 1274.2 |
| 15°   | 926.4 | 942.1 | 972.1 | 1007.3 | 1042.4 | 1084.9 | 1127.4 | 1170.4 | 1213.3 | 1254.8 | 1296.3 |
| 17.5° | 902.6 | 912.3 | 947.7 | 989.9  | 1032.2 | 1081.5 | 1130.8 | 1177.7 | 1224.6 | 1266.6 | 1308.7 |
| 20°   | 863.9 | 866.4 | 907.6 | 960.0  | 1012.4 | 1072.2 | 1131.9 | 1183.5 | 1235.0 | 1278.7 | 1322.4 |
| 22.5° | 819.9 | 814.9 | 861.8 | 924.9  | 988.0  | 1060.7 | 1133.4 | 1191.2 | 1249.0 | 1293.6 | 1338.3 |
| 25°   | 777.3 | 763.8 | 811.8 | 885.7  | 959.6  | 1049.4 | 1139.2 | 1205.2 | 1271.2 | 1315.0 | 1358.7 |
| 27.5° | 740.0 | 723.6 | 767.3 | 849.8  | 932.4  | 1041.8 | 1151.2 | 1227.1 | 1303.0 | 1344.8 | 1386.5 |
| 30°   | 707.3 | 694.4 | 731.1 | 819.9  | 908.7  | 1038.3 | 1167.7 | 1255.5 | 1343.3 | 1383.6 | 1424.0 |
| 32.5° | 678.5 | 672.8 | 702.4 | 794.1  | 885.7  | 1033.9 | 1182.0 | 1285.2 | 1388.3 | 1428.2 | 1468.2 |
| 35°   | 651.4 | 653.8 | 678.5 | 768.7  | 858.9  | 1025.6 | 1192.4 | 1318.9 | 1445.4 | 1483.7 | 1521.9 |
| 37.5° | 623.0 | 631.7 | 653.3 | 738.8  | 824.3  | 1011.5 | 1198.6 | 1356.7 | 1514.8 | 1563.6 | 1612.3 |
| 40°   | 591.9 | 605.2 | 624.8 | 703.1  | 781.5  | 992.0  | 1202.6 | 1404.7 | 1606.9 | 1677.9 | 1748.9 |
| 42.5° | 558.8 | 575.6 | 593.6 | 663.8  | 733.9  | 971.9  | 1210.0 | 1467.5 | 1725.1 | 1827.6 | 1930.2 |
| 45°   | 525.9 | 542.2 | 560.5 | 622.0  | 683.5  | 953.2  | 1223.0 | 1550.2 | 1877.4 | 2015.7 | 2153.9 |
| 47.5° | 496.6 | 510.6 | 534.1 | 588.9  | 643.7  | 937.8  | 1232.0 | 1638.2 | 2044.5 | 2239.2 | 2433.8 |
| 50°   | 470.8 | 487.0 | 518.0 | 567.0  | 615.9  | 921.0  | 1226.1 | 1719.9 | 2213.7 | 2507.2 | 2800.6 |
| 52.5° | 451.5 | 474.2 | 509.8 | 552.5  | 595.2  | 892.6  | 1190.1 | 1773.0 | 2355.8 | 2788.7 | 3221.7 |
| 55°   | 441.3 | 475.5 | 508.6 | 542.0  | 575.4  | 845.6  | 1115.8 | 1761.3 | 2406.8 | 3038.3 | 3670.0 |
| 57.5° | 435.1 | 476.8 | 506.0 | 529.6  | 553.1  | 779.2  | 1005.3 | 1679.0 | 2352.8 | 3215.3 | 4077.7 |
| 60°   | 429.4 | 472.8 | 492.1 | 510.6  | 529.1  | 693.1  | 857.0  | 1525.9 | 2194.7 | 3259.5 | 4324.1 |
| 62.5° | 422.6 | 462.9 | 465.3 | 477.6  | 489.9  | 590.0  | 690.1  | 1318.9 | 1947.6 | 3073.3 | 4199.0 |
| 65°   | 408.5 | 439.2 | 438.9 | 444.7  | 450.5  | 497.2  | 543.9  | 1107.6 | 1671.3 | 2809.9 | 3948.6 |
| 67.5° | 383.2 | 400.4 | 401.2 | 398.0  | 394.8  | 408.1  | 421.3  | 900.7  | 1380.0 | 2496.5 | 3613.0 |
| 70°   | 351.1 | 356.8 | 356.8 | 341.8  | 326.7  | 322.9  | 319.1  | 709.1  | 1099.2 | 2154.5 | 3209.8 |
| 72.5° | 315.4 | 315.3 | 311.7 | 290.4  | 269.1  | 257.6  | 246.2  | 542.1  | 838.1  | 1783.7 | 2729.4 |
| 75°   | 274.8 | 276.2 | 259.7 | 235.8  | 211.9  | 201.5  | 191.2  | 393.5  | 595.8  | 1358.7 | 2121.6 |
| 77.5° | 234.2 | 234.9 | 207.7 | 184.5  | 161.3  | 154.2  | 147.2  | 266.6  | 386.1  | 951.0  | 1515.8 |
| 80°   | 187.9 | 188.0 | 155.5 | 135.8  | 116.2  | 113.3  | 110.3  | 171.8  | 233.3  | 612.7  | 992.1  |
| 82.5° | 138.2 | 136.6 | 108.9 | 94.4   | 79.9   | 79.4   | 78.8   | 105.7  | 132.6  | 354.6  | 576.7  |
| 85°   | 91.0  | 89.0  | 68.3  | 57.7   | 47.1   | 47.4   | 47.7   | 56.5   | 65.3   | 159.5  | 253.7  |
| 87.5° | 40.2  | 37.6  | 29.0  | 24.7   | 20.4   | 20.6   | 20.9   | 23.4   | 25.9   | 52.2   | 78.6   |
| 90°   | 0.0   | 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):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  |
| 2.5°  | 1027.8 | 1031.7 | 1037.2 | 1042.7 | 1046.0 | 1049.3 | 1050.9 | 1052.6 | 1051.9 | 1052.6 | 1050.9 |
| 5°    | 1114.5 | 1128.1 | 1141.6 | 1155.1 | 1162.4 | 1169.7 | 1174.1 | 1178.6 | 1181.9 | 1178.6 | 1174.1 |
| 7.5°  | 1200.5 | 1222.5 | 1242.4 | 1262.2 | 1274.2 | 1286.1 | 1292.6 | 1299.0 | 1302.1 | 1299.0 | 1292.6 |
| 10°   | 1263.9 | 1290.0 | 1313.3 | 1336.5 | 1350.6 | 1364.7 | 1371.0 | 1377.2 | 1379.6 | 1377.2 | 1371.0 |
| 12.5° | 1302.4 | 1330.7 | 1351.7 | 1372.7 | 1382.9 | 1393.2 | 1396.6 | 1400.0 | 1400.4 | 1400.0 | 1396.6 |
| 15°   | 1320.7 | 1345.0 | 1358.2 | 1371.5 | 1371.8 | 1372.2 | 1368.5 | 1364.9 | 1360.6 | 1364.9 | 1368.5 |
| 17.5° | 1325.2 | 1341.6 | 1341.9 | 1342.1 | 1327.3 | 1312.5 | 1299.0 | 1285.4 | 1275.8 | 1285.4 | 1299.0 |
| 20°   | 1328.1 | 1333.9 | 1316.5 | 1299.2 | 1266.5 | 1233.9 | 1210.1 | 1186.3 | 1171.7 | 1186.3 | 1210.1 |
| 22.5° | 1330.8 | 1323.2 | 1287.3 | 1251.3 | 1203.3 | 1155.2 | 1125.5 | 1095.8 | 1079.6 | 1095.8 | 1125.5 |
| 25°   | 1335.0 | 1311.3 | 1256.7 | 1202.1 | 1143.7 | 1085.4 | 1054.1 | 1022.9 | 1007.6 | 1022.9 | 1054.1 |
| 27.5° | 1344.1 | 1301.6 | 1229.3 | 1157.0 | 1092.3 | 1027.7 | 996.9  | 966.2  | 951.7  | 966.2  | 996.9  |
| 30°   | 1360.6 | 1297.4 | 1208.4 | 1119.4 | 1052.0 | 984.6  | 956.1  | 927.6  | 914.1  | 927.6  | 956.1  |
| 32.5° | 1381.5 | 1294.8 | 1194.1 | 1093.4 | 1030.1 | 966.8  | 944.4  | 922.0  | 912.3  | 922.0  | 944.4  |
| 35°   | 1415.8 | 1309.7 | 1204.8 | 1099.9 | 1055.9 | 1012.0 | 1006.7 | 1001.5 | 1000.7 | 1001.5 | 1006.7 |
| 37.5° | 1487.5 | 1362.7 | 1267.3 | 1172.0 | 1169.1 | 1166.3 | 1190.2 | 1214.1 | 1226.5 | 1214.1 | 1190.2 |
| 40°   | 1613.2 | 1477.5 | 1406.6 | 1335.7 | 1385.7 | 1435.8 | 1493.9 | 1551.9 | 1580.9 | 1551.9 | 1493.9 |
| 42.5° | 1795.5 | 1660.8 | 1620.0 | 1579.1 | 1688.3 | 1797.5 | 1903.1 | 2008.8 | 2070.8 | 2008.8 | 1903.1 |
| 45°   | 2033.0 | 1912.0 | 1894.0 | 1875.9 | 2050.8 | 2225.7 | 2399.3 | 2573.0 | 2678.4 | 2573.0 | 2399.3 |
| 47.5° | 2316.1 | 2198.4 | 2194.7 | 2191.1 | 2443.4 | 2695.6 | 2949.8 | 3204.0 | 3353.2 | 3204.0 | 2949.8 |
| 50°   | 2655.2 | 2509.9 | 2510.5 | 2511.1 | 2836.3 | 3161.5 | 3497.0 | 3832.5 | 4035.3 | 3832.5 | 3497.0 |
| 52.5° | 3045.7 | 2869.7 | 2851.9 | 2834.0 | 3222.4 | 3610.9 | 4026.0 | 4441.0 | 4684.2 | 4441.0 | 4026.0 |
| 55°   | 3496.1 | 3322.2 | 3252.8 | 3183.4 | 3615.7 | 4047.9 | 4542.8 | 5037.7 | 5326.8 | 5037.7 | 4542.8 |
| 57.5° | 3983.0 | 3888.3 | 3749.1 | 3610.0 | 4046.5 | 4483.0 | 5043.5 | 5604.0 | 5962.6 | 5604.0 | 5043.5 |
| 60°   | 4471.2 | 4618.4 | 4445.5 | 4272.7 | 4685.8 | 5098.9 | 5699.0 | 6299.1 | 6686.7 | 6299.1 | 5699.0 |
| 62.5° | 4600.9 | 5002.9 | 4983.4 | 4963.9 | 5342.3 | 5720.7 | 6291.7 | 6862.6 | 7220.8 | 6862.6 | 6291.7 |
| 65°   | 4325.8 | 4703.0 | 4777.6 | 4852.3 | 5333.1 | 5814.0 | 6367.7 | 6921.3 | 7226.3 | 6921.3 | 6367.7 |
| 67.5° | 3971.8 | 4330.5 | 4365.5 | 4400.5 | 4901.5 | 5402.5 | 5958.6 | 6514.6 | 6753.5 | 6514.6 | 5958.6 |
| 70°   | 3600.0 | 3990.3 | 4005.9 | 4021.6 | 4469.7 | 4917.7 | 5396.2 | 5874.7 | 6007.5 | 5874.7 | 5396.2 |
| 72.5° | 3177.2 | 3625.0 | 3636.3 | 3647.5 | 3998.1 | 4348.6 | 4707.0 | 5065.3 | 5078.8 | 5065.3 | 4707.0 |
| 75°   | 2585.1 | 3048.6 | 3090.2 | 3131.8 | 3404.5 | 3677.3 | 3929.6 | 4181.8 | 4114.2 | 4181.8 | 3929.6 |
| 77.5° | 1948.5 | 2381.2 | 2440.7 | 2500.3 | 2707.6 | 2915.0 | 3093.9 | 3272.8 | 3156.6 | 3272.8 | 3093.9 |
| 80°   | 1356.1 | 1720.1 | 1794.1 | 1868.1 | 2024.7 | 2181.2 | 2275.2 | 2369.1 | 2182.3 | 2369.1 | 2275.2 |
| 82.5° | 825.6  | 1074.4 | 1157.1 | 1239.8 | 1347.6 | 1455.4 | 1494.6 | 1533.8 | 1386.9 | 1533.8 | 1494.6 |
| 85°   | 385.8  | 517.9  | 588.2  | 658.5  | 747.1  | 835.6  | 857.9  | 880.1  | 762.5  | 880.1  | 857.9  |
| 87.5° | 122.9  | 167.3  | 206.6  | 245.8  | 290.1  | 334.4  | 336.3  | 338.1  | 283.9  | 338.1  | 336.3  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: GALN-SB1C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  | 952.1  |
| 2.5°  | 1049.3 | 1046.0 | 1042.7 | 1037.2 | 1031.7 | 1027.8 | 1023.9 |
| 5°    | 1169.7 | 1162.4 | 1155.1 | 1141.6 | 1128.1 | 1114.5 | 1101.0 |
| 7.5°  | 1286.1 | 1274.2 | 1262.2 | 1242.4 | 1222.5 | 1200.5 | 1178.4 |
| 10°   | 1364.7 | 1350.6 | 1336.5 | 1313.3 | 1290.0 | 1263.9 | 1237.8 |
| 12.5° | 1393.2 | 1382.9 | 1372.7 | 1351.7 | 1330.7 | 1302.4 | 1274.2 |
| 15°   | 1372.2 | 1371.8 | 1371.5 | 1358.2 | 1345.0 | 1320.7 | 1296.3 |
| 17.5° | 1312.5 | 1327.3 | 1342.1 | 1341.9 | 1341.6 | 1325.2 | 1308.7 |
| 20°   | 1233.9 | 1266.5 | 1299.2 | 1316.5 | 1333.9 | 1328.1 | 1322.4 |
| 22.5° | 1155.2 | 1203.3 | 1251.3 | 1287.3 | 1323.2 | 1330.8 | 1338.3 |
| 25°   | 1085.4 | 1143.7 | 1202.1 | 1256.7 | 1311.3 | 1335.0 | 1358.7 |
| 27.5° | 1027.7 | 1092.3 | 1157.0 | 1229.3 | 1301.6 | 1344.1 | 1386.5 |
| 30°   | 984.6  | 1052.0 | 1119.4 | 1208.4 | 1297.4 | 1360.6 | 1424.0 |
| 32.5° | 966.8  | 1030.1 | 1093.4 | 1194.1 | 1294.8 | 1381.5 | 1468.2 |
| 35°   | 1012.0 | 1055.9 | 1099.9 | 1204.8 | 1309.7 | 1415.8 | 1521.9 |
| 37.5° | 1166.3 | 1169.1 | 1172.0 | 1267.3 | 1362.7 | 1487.5 | 1612.3 |
| 40°   | 1435.8 | 1385.7 | 1335.7 | 1406.6 | 1477.5 | 1613.2 | 1748.9 |
| 42.5° | 1797.5 | 1688.3 | 1579.1 | 1620.0 | 1660.8 | 1795.5 | 1930.2 |
| 45°   | 2225.7 | 2050.8 | 1875.9 | 1894.0 | 1912.0 | 2033.0 | 2153.9 |
| 47.5° | 2695.6 | 2443.4 | 2191.1 | 2194.7 | 2198.4 | 2316.1 | 2433.8 |
| 50°   | 3161.5 | 2836.3 | 2511.1 | 2510.5 | 2509.9 | 2655.2 | 2800.6 |
| 52.5° | 3610.9 | 3222.4 | 2834.0 | 2851.9 | 2869.7 | 3045.7 | 3221.7 |
| 55°   | 4047.9 | 3615.7 | 3183.4 | 3252.8 | 3322.2 | 3496.1 | 3670.0 |
| 57.5° | 4483.0 | 4046.5 | 3610.0 | 3749.1 | 3888.3 | 3983.0 | 4077.7 |
| 60°   | 5098.9 | 4685.8 | 4272.7 | 4445.5 | 4618.4 | 4471.2 | 4324.1 |
| 62.5° | 5720.7 | 5342.3 | 4963.9 | 4983.4 | 5002.9 | 4600.9 | 4199.0 |
| 65°   | 5814.0 | 5333.1 | 4852.3 | 4777.6 | 4703.0 | 4325.8 | 3948.6 |
| 67.5° | 5402.5 | 4901.5 | 4400.5 | 4365.5 | 4330.5 | 3971.8 | 3613.0 |
| 70°   | 4917.7 | 4469.7 | 4021.6 | 4005.9 | 3990.3 | 3600.0 | 3209.8 |
| 72.5° | 4348.6 | 3998.1 | 3647.5 | 3636.3 | 3625.0 | 3177.2 | 2729.4 |
| 75°   | 3677.3 | 3404.5 | 3131.8 | 3090.2 | 3048.6 | 2585.1 | 2121.6 |
| 77.5° | 2915.0 | 2707.6 | 2500.3 | 2440.7 | 2381.2 | 1948.5 | 1515.8 |
| 80°   | 2181.2 | 2024.7 | 1868.1 | 1794.1 | 1720.1 | 1356.1 | 992.1  |
| 82.5° | 1455.4 | 1347.6 | 1239.8 | 1157.1 | 1074.4 | 825.6  | 576.7  |
| 85°   | 835.6  | 747.1  | 658.5  | 588.2  | 517.9  | 385.8  | 253.7  |
| 87.5° | 334.4  | 290.1  | 245.8  | 206.6  | 167.3  | 122.9  | 78.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)