

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: P946144

Luminaire Tested: **GALN-SB1D-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946144
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-SB1D-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9702 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

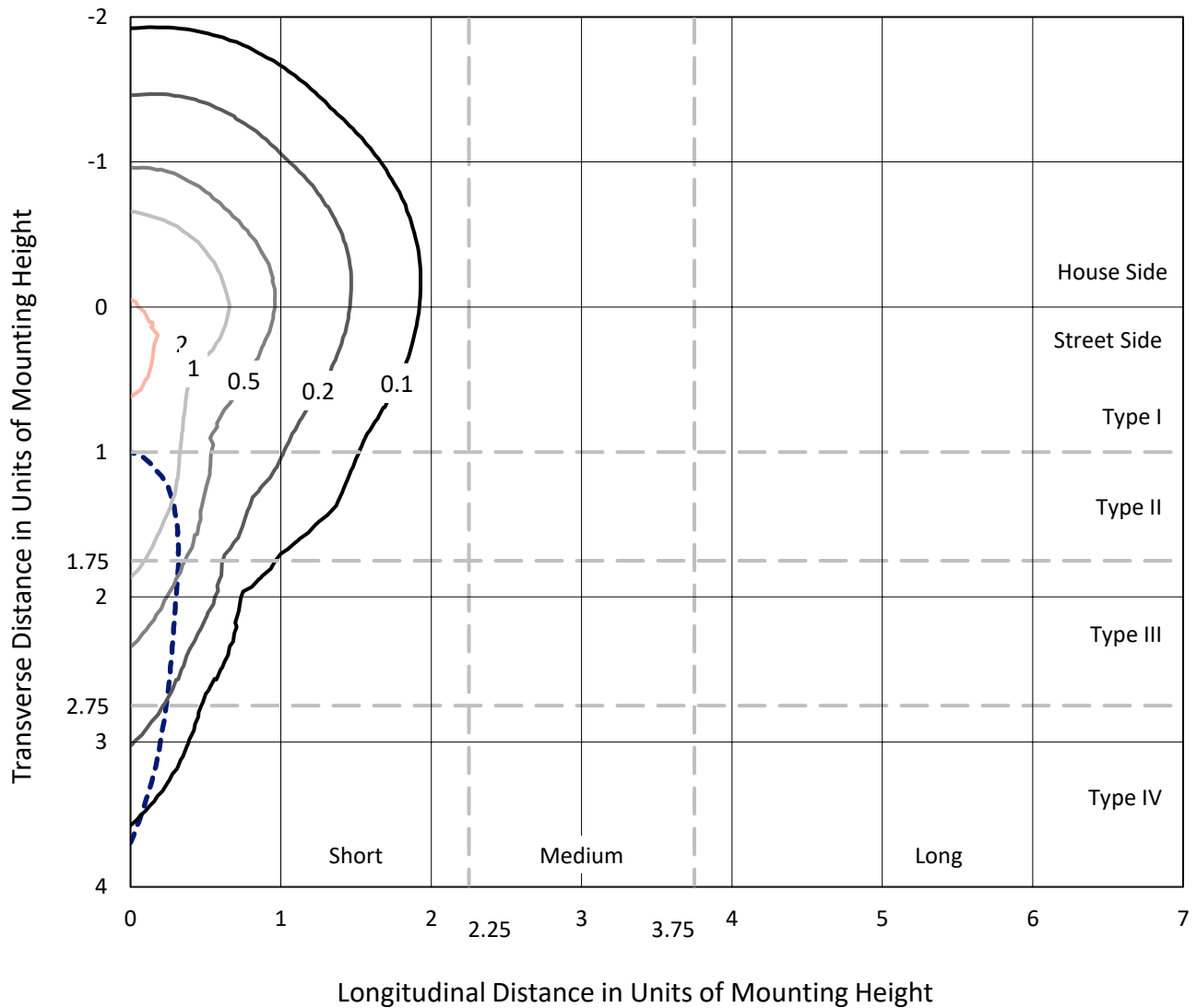
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946144
 CATALOG NUMBER: GALN-SB1D-850-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

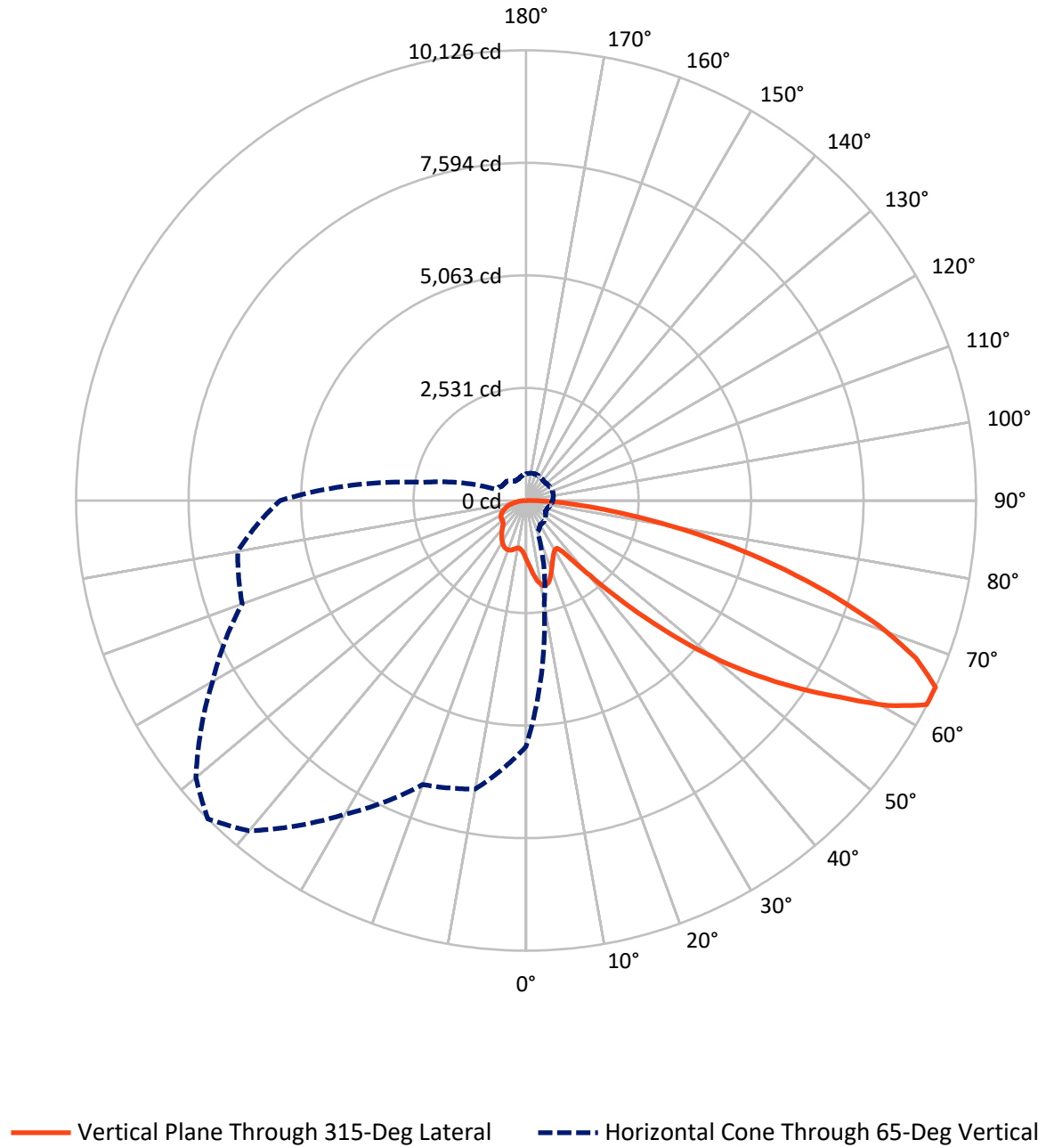
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P946144
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Luminous Intensity Polar Plot



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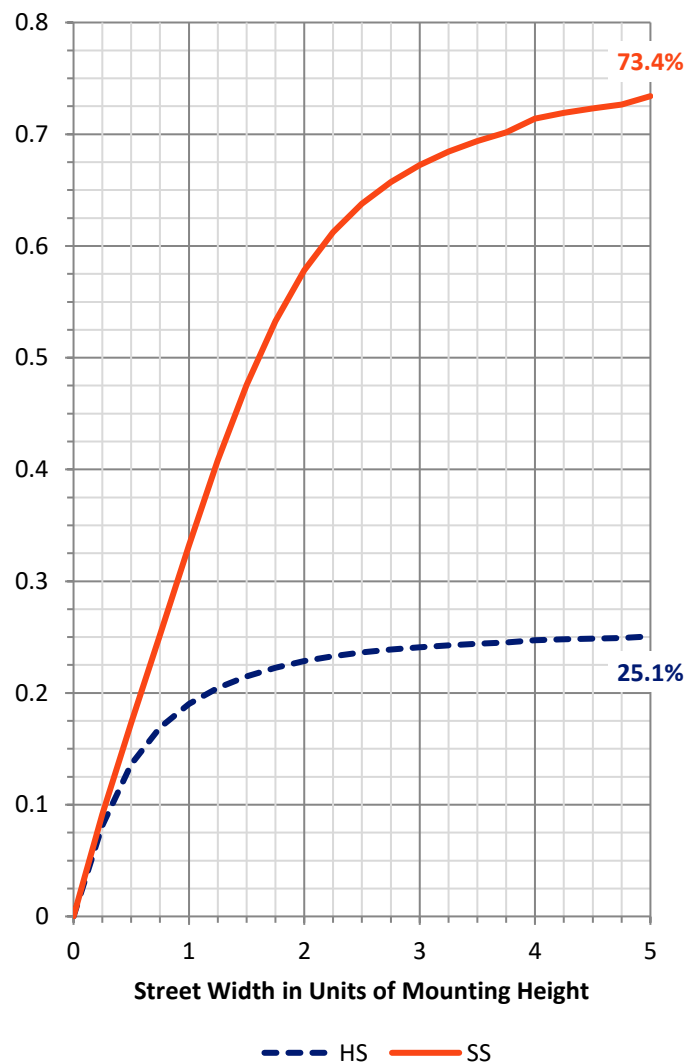
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2465.8 | 0.0 | 2465.8 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 7236.2 | 0.0 | 7236.2 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 9702.0 | 0.0 | 9702.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 132.3 | 1.4 |
| 10°-20° | 415.5 | 4.3 |
| 20°-30° | 641.7 | 6.6 |
| 30°-40° | 813.2 | 8.4 |
| 40°-50° | 1226.6 | 12.6 |
| 50°-60° | 1981.7 | 20.4 |
| 60°-70° | 2470.5 | 25.5 |
| 70°-80° | 1620.0 | 16.7 |
| 80°-90° | 400.5 | 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° | 9702.0 | 100.0 |
| 0°-180° | 9702.0 | 100.0 |

Coefficient of Utilization



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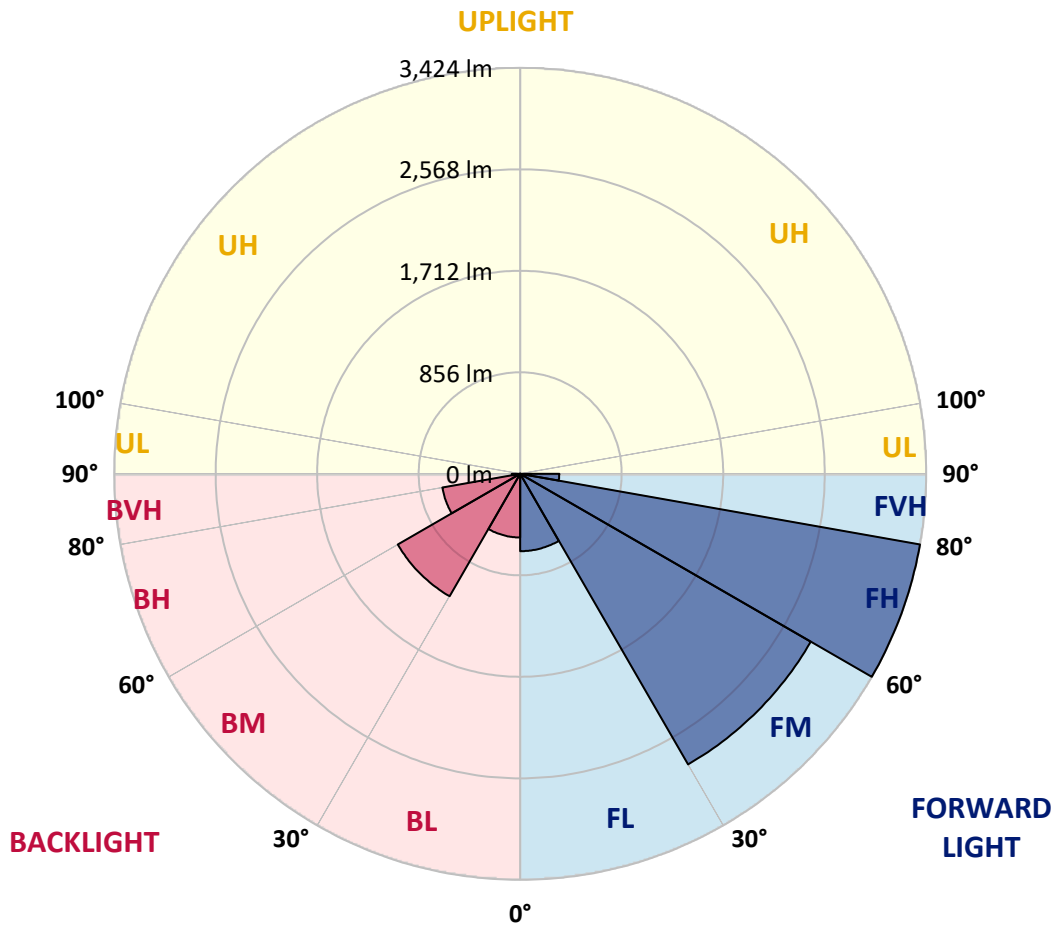
CATALOG NUMBER: GALN-SB1D-850-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 652.6 | 6.7 | | | |
| FM (30°-60°) | 2829.9 | 29.2 | | | |
| FH (60°-80°) | 3423.9 | 35.3 | | | G2/5000 |
| FVH (80°-90°) | 329.9 | 3.4 | | | G3/500 |
| BL (0°-30°) | 536.9 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 1191.6 | 12.3 | B2/2500 | | |
| BH (60°-80°) | 666.6 | 6.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 70.6 | 0.7 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P946144

CATALOG NUMBER: GALN-SB1D-850-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 2.5° | 1434.7 | 1423.7 | 1412.7 | 1401.0 | 1389.3 | 1377.5 | 1365.7 | 1354.5 | 1343.2 | 1332.3 |
| 5° | 1542.7 | 1518.4 | 1494.1 | 1469.8 | 1445.6 | 1421.2 | 1396.8 | 1374.0 | 1351.3 | 1329.8 |
| 7.5° | 1651.3 | 1611.1 | 1571.0 | 1534.0 | 1496.9 | 1460.8 | 1424.7 | 1392.9 | 1361.1 | 1331.8 |
| 10° | 1734.4 | 1683.7 | 1633.0 | 1584.0 | 1535.0 | 1491.2 | 1447.3 | 1409.8 | 1372.1 | 1335.9 |
| 12.5° | 1785.4 | 1729.6 | 1673.9 | 1618.4 | 1562.9 | 1511.2 | 1459.5 | 1417.0 | 1374.4 | 1336.4 |
| 15° | 1816.4 | 1758.2 | 1700.1 | 1639.9 | 1579.7 | 1520.2 | 1460.7 | 1411.4 | 1362.2 | 1320.0 |
| 17.5° | 1833.8 | 1774.8 | 1715.9 | 1650.2 | 1584.5 | 1515.4 | 1446.3 | 1387.1 | 1327.9 | 1278.3 |
| 20° | 1853.0 | 1791.7 | 1730.5 | 1658.3 | 1586.1 | 1502.3 | 1418.6 | 1345.2 | 1271.8 | 1214.1 |
| 22.5° | 1875.2 | 1812.7 | 1750.1 | 1669.1 | 1588.1 | 1486.3 | 1384.4 | 1296.0 | 1207.6 | 1141.9 |
| 25° | 1903.9 | 1842.6 | 1781.3 | 1688.8 | 1596.2 | 1470.4 | 1344.6 | 1241.0 | 1137.5 | 1070.2 |
| 27.5° | 1942.8 | 1884.3 | 1825.8 | 1719.5 | 1613.1 | 1459.8 | 1306.5 | 1190.8 | 1075.2 | 1013.9 |
| 30° | 1995.3 | 1938.8 | 1882.3 | 1759.3 | 1636.3 | 1454.8 | 1273.3 | 1148.8 | 1024.4 | 972.9 |
| 32.5° | 2057.2 | 2001.3 | 1945.4 | 1800.8 | 1656.2 | 1448.7 | 1241.0 | 1112.6 | 984.2 | 942.7 |
| 35° | 2132.5 | 2078.9 | 2025.3 | 1848.1 | 1670.9 | 1437.1 | 1203.5 | 1077.1 | 950.7 | 916.1 |
| 37.5° | 2259.2 | 2190.9 | 2122.6 | 1901.1 | 1679.6 | 1417.3 | 1155.0 | 1035.2 | 915.3 | 885.1 |
| 40° | 2450.6 | 2351.1 | 2251.6 | 1968.3 | 1685.0 | 1390.0 | 1095.0 | 985.2 | 875.4 | 848.0 |
| 42.5° | 2704.6 | 2560.9 | 2417.3 | 2056.3 | 1695.4 | 1361.9 | 1028.4 | 930.1 | 831.8 | 806.6 |
| 45° | 3018.1 | 2824.4 | 2630.6 | 2172.1 | 1713.7 | 1335.7 | 957.7 | 871.5 | 785.3 | 759.7 |
| 47.5° | 3410.3 | 3137.6 | 2864.8 | 2295.5 | 1726.3 | 1314.1 | 901.9 | 825.2 | 748.5 | 715.4 |
| 50° | 3924.3 | 3513.1 | 3101.9 | 2410.0 | 1718.1 | 1290.5 | 863.0 | 794.4 | 725.8 | 682.4 |
| 52.5° | 4514.3 | 3907.6 | 3301.0 | 2484.3 | 1667.6 | 1250.8 | 833.9 | 774.2 | 714.4 | 664.5 |
| 55° | 5142.4 | 4257.4 | 3372.4 | 2467.9 | 1563.5 | 1184.8 | 806.2 | 759.5 | 712.7 | 666.3 |
| 57.5° | 5713.7 | 4505.3 | 3296.8 | 2352.7 | 1408.6 | 1091.9 | 775.1 | 742.1 | 709.0 | 668.1 |
| 60° | 6059.0 | 4567.2 | 3075.3 | 2138.1 | 1200.9 | 971.1 | 741.4 | 715.4 | 689.5 | 662.4 |
| 62.5° | 5883.7 | 4306.4 | 2729.0 | 1848.0 | 966.9 | 826.7 | 686.4 | 669.2 | 652.0 | 648.6 |
| 65° | 5532.8 | 3937.3 | 2341.9 | 1552.0 | 762.2 | 696.7 | 631.2 | 623.1 | 614.9 | 615.3 |
| 67.5° | 5062.5 | 3498.1 | 1933.7 | 1262.0 | 590.4 | 571.8 | 553.1 | 557.7 | 562.2 | 561.1 |
| 70° | 4497.6 | 3018.9 | 1540.2 | 993.7 | 447.2 | 452.5 | 457.8 | 478.9 | 499.9 | 499.9 |
| 72.5° | 3824.4 | 2499.4 | 1174.4 | 759.7 | 344.9 | 361.0 | 377.0 | 406.9 | 436.8 | 441.8 |
| 75° | 2972.8 | 1903.8 | 834.9 | 551.4 | 267.8 | 282.4 | 296.9 | 330.4 | 363.9 | 387.0 |
| 77.5° | 2124.0 | 1332.5 | 541.0 | 373.6 | 206.2 | 216.1 | 226.0 | 258.5 | 291.0 | 329.2 |
| 80° | 1390.2 | 858.5 | 326.9 | 240.7 | 154.6 | 158.7 | 162.8 | 190.3 | 217.8 | 263.4 |
| 82.5° | 808.1 | 496.9 | 185.7 | 148.1 | 110.5 | 111.2 | 112.0 | 132.3 | 152.6 | 191.5 |
| 85° | 355.5 | 223.5 | 91.5 | 79.1 | 66.8 | 66.4 | 66.0 | 80.9 | 95.7 | 124.7 |
| 87.5° | 110.1 | 73.2 | 36.3 | 32.8 | 29.3 | 28.9 | 28.6 | 34.6 | 40.7 | 52.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 50° | | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1320.2 | 2.5° | 1310.4 | 1300.6 | 1291.7 | 1282.9 | 1275.2 | 1267.5 | 1259.7 | 1251.9 | 1246.0 | 1239.9 |
| 1308.5 | 5° | 1290.0 | 1271.4 | 1255.8 | 1240.3 | 1226.6 | 1212.9 | 1200.4 | 1188.0 | 1178.4 | 1168.8 |
| 1304.3 | 7.5° | 1279.6 | 1255.0 | 1234.5 | 1214.1 | 1196.8 | 1179.5 | 1164.2 | 1149.0 | 1137.6 | 1126.3 |
| 1306.4 | 10° | 1280.4 | 1254.3 | 1233.9 | 1213.4 | 1194.8 | 1176.2 | 1159.0 | 1141.9 | 1128.3 | 1114.6 |
| 1308.9 | 12.5° | 1287.6 | 1266.4 | 1252.8 | 1239.3 | 1224.7 | 1210.1 | 1192.4 | 1174.6 | 1157.2 | 1139.8 |
| 1298.0 | 15° | 1287.8 | 1277.7 | 1279.5 | 1281.4 | 1277.6 | 1273.8 | 1258.4 | 1243.0 | 1218.2 | 1193.4 |
| 1264.7 | 17.5° | 1268.5 | 1272.2 | 1294.5 | 1316.8 | 1328.7 | 1340.5 | 1328.1 | 1315.7 | 1282.9 | 1250.0 |
| 1210.5 | 20° | 1227.9 | 1245.3 | 1284.0 | 1322.8 | 1347.7 | 1372.5 | 1366.8 | 1361.0 | 1323.5 | 1286.0 |
| 1148.9 | 22.5° | 1174.6 | 1200.4 | 1244.6 | 1289.0 | 1321.3 | 1353.6 | 1357.0 | 1360.5 | 1324.6 | 1288.8 |
| 1089.1 | 25° | 1118.8 | 1148.5 | 1188.3 | 1228.1 | 1259.9 | 1291.7 | 1303.6 | 1315.4 | 1286.0 | 1256.7 |
| 1036.9 | 27.5° | 1065.6 | 1094.3 | 1127.0 | 1159.6 | 1185.1 | 1210.6 | 1223.8 | 1237.1 | 1216.2 | 1195.3 |
| 991.0 | 30° | 1013.7 | 1036.6 | 1063.7 | 1090.8 | 1112.0 | 1133.2 | 1143.9 | 1154.7 | 1138.8 | 1122.8 |
| 950.8 | 32.5° | 964.2 | 977.7 | 999.4 | 1021.1 | 1041.3 | 1061.7 | 1073.6 | 1085.6 | 1070.9 | 1056.2 |
| 912.8 | 35° | 916.5 | 920.2 | 936.7 | 953.2 | 973.3 | 993.4 | 1007.7 | 1022.1 | 1011.6 | 1001.2 |
| 873.0 | 37.5° | 868.9 | 864.8 | 876.6 | 888.5 | 908.5 | 928.6 | 946.3 | 964.0 | 959.2 | 954.4 |
| 829.3 | 40° | 820.1 | 810.8 | 819.4 | 827.9 | 847.3 | 866.6 | 887.0 | 907.4 | 908.6 | 909.7 |
| 783.0 | 42.5° | 770.7 | 758.4 | 765.4 | 772.4 | 790.7 | 809.1 | 831.1 | 853.1 | 859.0 | 864.9 |
| 736.9 | 45° | 725.0 | 713.0 | 718.9 | 724.8 | 742.2 | 759.6 | 782.4 | 805.3 | 813.7 | 822.2 |
| 695.8 | 47.5° | 685.8 | 675.8 | 681.3 | 686.8 | 703.8 | 720.8 | 743.3 | 765.9 | 775.6 | 785.3 |
| 659.6 | 50° | 650.7 | 641.9 | 650.5 | 659.1 | 675.2 | 691.2 | 711.4 | 731.6 | 744.0 | 756.5 |
| 632.7 | 52.5° | 623.8 | 615.1 | 628.0 | 640.9 | 655.7 | 670.4 | 689.2 | 708.0 | 722.8 | 737.6 |
| 618.3 | 55° | 604.4 | 590.5 | 608.9 | 627.2 | 643.1 | 659.0 | 675.5 | 691.9 | 707.5 | 723.3 |
| 609.7 | 57.5° | 589.4 | 569.2 | 588.9 | 608.7 | 627.3 | 646.0 | 662.2 | 678.6 | 694.4 | 710.2 |
| 601.6 | 60° | 575.4 | 549.1 | 566.4 | 583.7 | 605.1 | 626.5 | 643.0 | 659.6 | 675.5 | 691.4 |
| 592.2 | 62.5° | 559.3 | 526.5 | 537.5 | 548.5 | 573.5 | 598.5 | 616.1 | 633.8 | 648.3 | 662.9 |
| 572.3 | 65° | 537.4 | 502.5 | 506.7 | 510.9 | 537.6 | 564.4 | 581.3 | 598.2 | 611.0 | 623.8 |
| 536.9 | 67.5° | 507.8 | 478.8 | 477.4 | 476.1 | 500.8 | 525.5 | 541.5 | 557.5 | 568.6 | 579.6 |
| 492.0 | 70° | 471.3 | 450.6 | 446.0 | 441.4 | 463.1 | 484.8 | 498.6 | 512.4 | 522.4 | 532.4 |
| 441.9 | 72.5° | 427.7 | 413.5 | 406.8 | 400.1 | 417.2 | 434.2 | 446.7 | 459.2 | 469.0 | 478.8 |
| 385.1 | 75° | 374.2 | 363.2 | 356.8 | 350.3 | 363.0 | 375.7 | 387.0 | 398.3 | 407.2 | 416.1 |
| 328.2 | 77.5° | 319.4 | 310.6 | 304.1 | 297.5 | 307.9 | 318.2 | 327.9 | 337.6 | 347.0 | 356.3 |
| 263.2 | 80° | 255.9 | 248.5 | 243.1 | 237.5 | 246.1 | 254.7 | 262.9 | 271.1 | 278.2 | 285.3 |
| 193.6 | 82.5° | 190.0 | 186.4 | 182.6 | 178.7 | 177.9 | 177.2 | 174.4 | 171.5 | 186.7 | 201.8 |
| 127.5 | 85° | 123.6 | 119.8 | 115.4 | 111.1 | 107.4 | 103.7 | 95.7 | 87.8 | 102.0 | 116.2 |
| 56.3 | 87.5° | 54.8 | 53.2 | 52.4 | 51.6 | 51.4 | 51.3 | 45.3 | 39.2 | 45.1 | 51.1 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1235.0 | 2.5° | 1230.2 | 1226.4 | 1222.6 | 1219.1 | 1215.6 | 1211.2 | 1215.6 | 1219.1 | 1222.6 | 1226.4 |
| 1162.0 | 5° | 1155.3 | 1150.6 | 1145.8 | 1142.2 | 1138.5 | 1135.0 | 1138.5 | 1142.2 | 1145.8 | 1150.6 |
| 1118.3 | 7.5° | 1110.3 | 1104.8 | 1099.4 | 1096.1 | 1092.9 | 1090.4 | 1092.9 | 1096.1 | 1099.4 | 1104.8 |
| 1105.7 | 10° | 1096.7 | 1091.5 | 1086.3 | 1083.6 | 1080.8 | 1079.7 | 1080.8 | 1083.6 | 1086.3 | 1091.5 |
| 1128.3 | 12.5° | 1116.8 | 1111.0 | 1105.3 | 1102.9 | 1100.6 | 1100.2 | 1100.6 | 1102.9 | 1105.3 | 1111.0 |
| 1175.9 | 15° | 1158.4 | 1150.4 | 1142.4 | 1139.3 | 1136.2 | 1136.0 | 1136.2 | 1139.3 | 1142.4 | 1150.4 |
| 1224.2 | 17.5° | 1198.4 | 1186.6 | 1174.6 | 1170.7 | 1166.8 | 1166.2 | 1166.8 | 1170.7 | 1174.6 | 1186.6 |
| 1254.3 | 20° | 1222.8 | 1207.6 | 1192.3 | 1187.4 | 1182.6 | 1181.0 | 1182.6 | 1187.4 | 1192.3 | 1207.6 |
| 1256.2 | 22.5° | 1223.6 | 1207.6 | 1191.5 | 1186.2 | 1180.8 | 1178.5 | 1180.8 | 1186.2 | 1191.5 | 1207.6 |
| 1227.7 | 25° | 1198.9 | 1184.9 | 1171.1 | 1166.0 | 1161.0 | 1158.0 | 1161.0 | 1166.0 | 1171.1 | 1184.9 |
| 1172.8 | 27.5° | 1150.3 | 1141.0 | 1131.6 | 1129.3 | 1127.0 | 1126.3 | 1127.0 | 1129.3 | 1131.6 | 1141.0 |
| 1106.7 | 30° | 1090.5 | 1085.8 | 1081.0 | 1081.0 | 1081.0 | 1081.7 | 1081.0 | 1081.0 | 1081.0 | 1085.8 |
| 1043.4 | 32.5° | 1030.5 | 1027.4 | 1024.3 | 1024.7 | 1025.2 | 1025.9 | 1025.2 | 1024.7 | 1024.3 | 1027.4 |
| 989.4 | 35° | 977.5 | 972.8 | 968.1 | 967.0 | 966.0 | 965.5 | 966.0 | 967.0 | 968.1 | 972.8 |
| 943.4 | 37.5° | 932.5 | 923.8 | 915.2 | 910.7 | 906.1 | 903.6 | 906.1 | 910.7 | 915.2 | 923.8 |
| 900.4 | 40° | 891.2 | 878.6 | 866.1 | 857.6 | 849.2 | 844.2 | 849.2 | 857.6 | 866.1 | 878.6 |
| 857.1 | 42.5° | 849.3 | 833.7 | 818.1 | 805.7 | 793.4 | 785.3 | 793.4 | 805.7 | 818.1 | 833.7 |
| 815.1 | 45° | 808.1 | 790.2 | 772.4 | 757.9 | 743.4 | 734.1 | 743.4 | 757.9 | 772.4 | 790.2 |
| 780.4 | 47.5° | 775.5 | 759.6 | 743.7 | 730.3 | 717.0 | 708.0 | 717.0 | 730.3 | 743.7 | 759.6 |
| 756.2 | 50° | 756.0 | 743.3 | 730.6 | 718.2 | 705.9 | 697.3 | 705.9 | 718.2 | 730.6 | 743.3 |
| 740.3 | 52.5° | 742.9 | 732.6 | 722.2 | 711.1 | 700.1 | 692.1 | 700.1 | 711.1 | 722.2 | 732.6 |
| 727.0 | 55° | 730.6 | 721.6 | 712.6 | 702.9 | 693.2 | 686.0 | 693.2 | 702.9 | 712.6 | 721.6 |
| 713.9 | 57.5° | 717.6 | 708.5 | 699.4 | 689.8 | 680.1 | 672.7 | 680.1 | 689.8 | 699.4 | 708.5 |
| 695.5 | 60° | 699.6 | 690.7 | 681.8 | 671.9 | 661.9 | 654.3 | 661.9 | 671.9 | 681.8 | 690.7 |
| 666.8 | 62.5° | 670.7 | 662.7 | 654.7 | 644.2 | 633.8 | 624.6 | 633.8 | 644.2 | 654.7 | 662.7 |
| 627.8 | 65° | 631.8 | 624.1 | 616.4 | 606.2 | 596.2 | 588.2 | 596.2 | 606.2 | 616.4 | 624.1 |
| 583.6 | 67.5° | 587.4 | 580.3 | 573.3 | 563.8 | 554.4 | 547.3 | 554.4 | 563.8 | 573.3 | 580.3 |
| 536.2 | 70° | 540.0 | 534.2 | 528.4 | 519.4 | 510.4 | 502.2 | 510.4 | 519.4 | 528.4 | 534.2 |
| 483.3 | 72.5° | 487.8 | 483.0 | 478.1 | 469.5 | 461.0 | 453.1 | 461.0 | 469.5 | 478.1 | 483.0 |
| 420.8 | 75° | 425.5 | 423.2 | 420.8 | 413.6 | 406.4 | 398.8 | 406.4 | 413.6 | 420.8 | 423.2 |
| 360.7 | 77.5° | 365.1 | 361.8 | 358.5 | 351.2 | 343.9 | 337.9 | 343.9 | 351.2 | 358.5 | 361.8 |
| 291.1 | 80° | 296.9 | 295.5 | 294.1 | 284.3 | 274.5 | 263.1 | 274.5 | 284.3 | 294.1 | 295.5 |
| 211.7 | 82.5° | 221.7 | 221.1 | 220.4 | 212.1 | 203.9 | 196.6 | 203.9 | 212.1 | 220.4 | 221.1 |
| 128.5 | 85° | 140.8 | 139.8 | 138.7 | 132.3 | 125.8 | 119.3 | 125.8 | 132.3 | 138.7 | 139.8 |
| 56.1 | 87.5° | 61.0 | 59.8 | 58.5 | 55.2 | 51.8 | 48.6 | 51.8 | 55.2 | 58.5 | 59.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 160° | | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1230.2 | 2.5° | 1235.0 | 1239.9 | 1246.0 | 1251.9 | 1259.7 | 1267.5 | 1275.2 | 1282.9 | 1291.7 | 1300.6 |
| 1155.3 | 5° | 1162.0 | 1168.8 | 1178.4 | 1188.0 | 1200.4 | 1212.9 | 1226.6 | 1240.3 | 1255.8 | 1271.4 |
| 1110.3 | 7.5° | 1118.3 | 1126.3 | 1137.6 | 1149.0 | 1164.2 | 1179.5 | 1196.8 | 1214.1 | 1234.5 | 1255.0 |
| 1096.7 | 10° | 1105.7 | 1114.6 | 1128.3 | 1141.9 | 1159.0 | 1176.2 | 1194.8 | 1213.4 | 1233.9 | 1254.3 |
| 1116.8 | 12.5° | 1128.3 | 1139.8 | 1157.2 | 1174.6 | 1192.4 | 1210.1 | 1224.7 | 1239.3 | 1252.8 | 1266.4 |
| 1158.4 | 15° | 1175.9 | 1193.4 | 1218.2 | 1243.0 | 1258.4 | 1273.8 | 1277.6 | 1281.4 | 1279.5 | 1277.7 |
| 1198.4 | 17.5° | 1224.2 | 1250.0 | 1282.9 | 1315.7 | 1328.1 | 1340.5 | 1328.7 | 1316.8 | 1294.5 | 1272.2 |
| 1222.8 | 20° | 1254.3 | 1286.0 | 1323.5 | 1361.0 | 1366.8 | 1372.5 | 1347.7 | 1322.8 | 1284.0 | 1245.3 |
| 1223.6 | 22.5° | 1256.2 | 1288.8 | 1324.6 | 1360.5 | 1357.0 | 1353.6 | 1321.3 | 1289.0 | 1244.6 | 1200.4 |
| 1198.9 | 25° | 1227.7 | 1256.7 | 1286.0 | 1315.4 | 1303.6 | 1291.7 | 1259.9 | 1228.1 | 1188.3 | 1148.5 |
| 1150.3 | 27.5° | 1172.8 | 1195.3 | 1216.2 | 1237.1 | 1223.8 | 1210.6 | 1185.1 | 1159.6 | 1127.0 | 1094.3 |
| 1090.5 | 30° | 1106.7 | 1122.8 | 1138.8 | 1154.7 | 1143.9 | 1133.2 | 1112.0 | 1090.8 | 1063.7 | 1036.6 |
| 1030.5 | 32.5° | 1043.4 | 1056.2 | 1070.9 | 1085.6 | 1073.6 | 1061.7 | 1041.3 | 1021.1 | 999.4 | 977.7 |
| 977.5 | 35° | 989.4 | 1001.2 | 1011.6 | 1022.1 | 1007.7 | 993.4 | 973.3 | 953.2 | 936.7 | 920.2 |
| 932.5 | 37.5° | 943.4 | 954.4 | 959.2 | 964.0 | 946.3 | 928.6 | 908.5 | 888.5 | 876.6 | 864.8 |
| 891.2 | 40° | 900.4 | 909.7 | 908.6 | 907.4 | 887.0 | 866.6 | 847.3 | 827.9 | 819.4 | 810.8 |
| 849.3 | 42.5° | 857.1 | 864.9 | 859.0 | 853.1 | 831.1 | 809.1 | 790.7 | 772.4 | 765.4 | 758.4 |
| 808.1 | 45° | 815.1 | 822.2 | 813.7 | 805.3 | 782.4 | 759.6 | 742.2 | 724.8 | 718.9 | 713.0 |
| 775.5 | 47.5° | 780.4 | 785.3 | 775.6 | 765.9 | 743.3 | 720.8 | 703.8 | 686.8 | 681.3 | 675.8 |
| 756.0 | 50° | 756.2 | 756.5 | 744.0 | 731.6 | 711.4 | 691.2 | 675.2 | 659.1 | 650.5 | 641.9 |
| 742.9 | 52.5° | 740.3 | 737.6 | 722.8 | 708.0 | 689.2 | 670.4 | 655.7 | 640.9 | 628.0 | 615.1 |
| 730.6 | 55° | 727.0 | 723.3 | 707.5 | 691.9 | 675.5 | 659.0 | 643.1 | 627.2 | 608.9 | 590.5 |
| 717.6 | 57.5° | 713.9 | 710.2 | 694.4 | 678.6 | 662.2 | 646.0 | 627.3 | 608.7 | 588.9 | 569.2 |
| 699.6 | 60° | 695.5 | 691.4 | 675.5 | 659.6 | 643.0 | 626.5 | 605.1 | 583.7 | 566.4 | 549.1 |
| 670.7 | 62.5° | 666.8 | 662.9 | 648.3 | 633.8 | 616.1 | 598.5 | 573.5 | 548.5 | 537.5 | 526.5 |
| 631.8 | 65° | 627.8 | 623.8 | 611.0 | 598.2 | 581.3 | 564.4 | 537.6 | 510.9 | 506.7 | 502.5 |
| 587.4 | 67.5° | 583.6 | 579.6 | 568.6 | 557.5 | 541.5 | 525.5 | 500.8 | 476.1 | 477.4 | 478.8 |
| 540.0 | 70° | 536.2 | 532.4 | 522.4 | 512.4 | 498.6 | 484.8 | 463.1 | 441.4 | 446.0 | 450.6 |
| 487.8 | 72.5° | 483.3 | 478.8 | 469.0 | 459.2 | 446.7 | 434.2 | 417.2 | 400.1 | 406.8 | 413.5 |
| 425.5 | 75° | 420.8 | 416.1 | 407.2 | 398.3 | 387.0 | 375.7 | 363.0 | 350.3 | 356.8 | 363.2 |
| 365.1 | 77.5° | 360.7 | 356.3 | 347.0 | 337.6 | 327.9 | 318.2 | 307.9 | 297.5 | 304.1 | 310.6 |
| 296.9 | 80° | 291.1 | 285.3 | 278.2 | 271.1 | 262.9 | 254.7 | 246.1 | 237.5 | 243.1 | 248.5 |
| 221.7 | 82.5° | 211.7 | 201.8 | 186.7 | 171.5 | 174.4 | 177.2 | 177.9 | 178.7 | 182.6 | 186.4 |
| 140.8 | 85° | 128.5 | 116.2 | 102.0 | 87.8 | 95.7 | 103.7 | 107.4 | 111.1 | 115.4 | 119.8 |
| 61.0 | 87.5° | 56.1 | 51.1 | 45.1 | 39.2 | 45.3 | 51.3 | 51.4 | 51.6 | 52.4 | 53.2 |
| 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):

| 215° | | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1310.4 | 2.5° | 1320.2 | 1332.3 | 1343.2 | 1354.5 | 1365.7 | 1377.5 | 1389.3 | 1401.0 | 1412.7 | 1423.7 |
| 1290.0 | 5° | 1308.5 | 1329.8 | 1351.3 | 1374.0 | 1396.8 | 1421.2 | 1445.6 | 1469.8 | 1494.1 | 1518.4 |
| 1279.6 | 7.5° | 1304.3 | 1331.8 | 1361.1 | 1392.9 | 1424.7 | 1460.8 | 1496.9 | 1534.0 | 1571.0 | 1611.1 |
| 1280.4 | 10° | 1306.4 | 1335.9 | 1372.1 | 1409.8 | 1447.3 | 1491.2 | 1535.0 | 1584.0 | 1633.0 | 1683.7 |
| 1287.6 | 12.5° | 1308.9 | 1336.4 | 1374.4 | 1417.0 | 1459.5 | 1511.2 | 1562.9 | 1618.4 | 1673.9 | 1729.6 |
| 1287.8 | 15° | 1298.0 | 1320.0 | 1362.2 | 1411.4 | 1460.7 | 1520.2 | 1579.7 | 1639.9 | 1700.1 | 1758.2 |
| 1268.5 | 17.5° | 1264.7 | 1278.3 | 1327.9 | 1387.1 | 1446.3 | 1515.4 | 1584.5 | 1650.2 | 1715.9 | 1774.8 |
| 1227.9 | 20° | 1210.5 | 1214.1 | 1271.8 | 1345.2 | 1418.6 | 1502.3 | 1586.1 | 1658.3 | 1730.5 | 1791.7 |
| 1174.6 | 22.5° | 1148.9 | 1141.9 | 1207.6 | 1296.0 | 1384.4 | 1486.3 | 1588.1 | 1669.1 | 1750.1 | 1812.7 |
| 1118.8 | 25° | 1089.1 | 1070.2 | 1137.5 | 1241.0 | 1344.6 | 1470.4 | 1596.2 | 1688.8 | 1781.3 | 1842.6 |
| 1065.6 | 27.5° | 1036.9 | 1013.9 | 1075.2 | 1190.8 | 1306.5 | 1459.8 | 1613.1 | 1719.5 | 1825.8 | 1884.3 |
| 1013.7 | 30° | 991.0 | 972.9 | 1024.4 | 1148.8 | 1273.3 | 1454.8 | 1636.3 | 1759.3 | 1882.3 | 1938.8 |
| 964.2 | 32.5° | 950.8 | 942.7 | 984.2 | 1112.6 | 1241.0 | 1448.7 | 1656.2 | 1800.8 | 1945.4 | 2001.3 |
| 916.5 | 35° | 912.8 | 916.1 | 950.7 | 1077.1 | 1203.5 | 1437.1 | 1670.9 | 1848.1 | 2025.3 | 2078.9 |
| 868.9 | 37.5° | 873.0 | 885.1 | 915.3 | 1035.2 | 1155.0 | 1417.3 | 1679.6 | 1901.1 | 2122.6 | 2190.9 |
| 820.1 | 40° | 829.3 | 848.0 | 875.4 | 985.2 | 1095.0 | 1390.0 | 1685.0 | 1968.3 | 2251.6 | 2351.1 |
| 770.7 | 42.5° | 783.0 | 806.6 | 831.8 | 930.1 | 1028.4 | 1361.9 | 1695.4 | 2056.3 | 2417.3 | 2560.9 |
| 725.0 | 45° | 736.9 | 759.7 | 785.3 | 871.5 | 957.7 | 1335.7 | 1713.7 | 2172.1 | 2630.6 | 2824.4 |
| 685.8 | 47.5° | 695.8 | 715.4 | 748.5 | 825.2 | 901.9 | 1314.1 | 1726.3 | 2295.5 | 2864.8 | 3137.6 |
| 650.7 | 50° | 659.6 | 682.4 | 725.8 | 794.4 | 863.0 | 1290.5 | 1718.1 | 2410.0 | 3101.9 | 3513.1 |
| 623.8 | 52.5° | 632.7 | 664.5 | 714.4 | 774.2 | 833.9 | 1250.8 | 1667.6 | 2484.3 | 3301.0 | 3907.6 |
| 604.4 | 55° | 618.3 | 666.3 | 712.7 | 759.5 | 806.2 | 1184.8 | 1563.5 | 2467.9 | 3372.4 | 4257.4 |
| 589.4 | 57.5° | 609.7 | 668.1 | 709.0 | 742.1 | 775.1 | 1091.9 | 1408.6 | 2352.7 | 3296.8 | 4505.3 |
| 575.4 | 60° | 601.6 | 662.4 | 689.5 | 715.4 | 741.4 | 971.1 | 1200.9 | 2138.1 | 3075.3 | 4567.2 |
| 559.3 | 62.5° | 592.2 | 648.6 | 652.0 | 669.2 | 686.4 | 826.7 | 966.9 | 1848.0 | 2729.0 | 4306.4 |
| 537.4 | 65° | 572.3 | 615.3 | 614.9 | 623.1 | 631.2 | 696.7 | 762.2 | 1552.0 | 2341.9 | 3937.3 |
| 507.8 | 67.5° | 536.9 | 561.1 | 562.2 | 557.7 | 553.1 | 571.8 | 590.4 | 1262.0 | 1933.7 | 3498.1 |
| 471.3 | 70° | 492.0 | 499.9 | 499.9 | 478.9 | 457.8 | 452.5 | 447.2 | 993.7 | 1540.2 | 3018.9 |
| 427.7 | 72.5° | 441.9 | 441.8 | 436.8 | 406.9 | 377.0 | 361.0 | 344.9 | 759.7 | 1174.4 | 2499.4 |
| 374.2 | 75° | 385.1 | 387.0 | 363.9 | 330.4 | 296.9 | 282.4 | 267.8 | 551.4 | 834.9 | 1903.8 |
| 319.4 | 77.5° | 328.2 | 329.2 | 291.0 | 258.5 | 226.0 | 216.1 | 206.2 | 373.6 | 541.0 | 1332.5 |
| 255.9 | 80° | 263.2 | 263.4 | 217.8 | 190.3 | 162.8 | 158.7 | 154.6 | 240.7 | 326.9 | 858.5 |
| 190.0 | 82.5° | 193.6 | 191.5 | 152.6 | 132.3 | 112.0 | 111.2 | 110.5 | 148.1 | 185.7 | 496.9 |
| 123.6 | 85° | 127.5 | 124.7 | 95.7 | 80.9 | 66.0 | 66.4 | 66.8 | 79.1 | 91.5 | 223.5 |
| 54.8 | 87.5° | 56.3 | 52.7 | 40.7 | 34.6 | 28.6 | 28.9 | 29.3 | 32.8 | 36.3 | 73.2 |
| 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: P946144
 CATALOG NUMBER: GALN-SB1D-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 270° | | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1434.7 | 2.5° | 1440.1 | 1445.6 | 1453.3 | 1461.1 | 1465.7 | 1470.3 | 1472.6 | 1474.9 | 1473.9 | 1474.9 |
| 1542.7 | 5° | 1561.7 | 1580.8 | 1599.6 | 1618.5 | 1628.7 | 1639.0 | 1645.2 | 1651.4 | 1656.1 | 1651.4 |
| 1651.3 | 7.5° | 1682.2 | 1713.0 | 1740.8 | 1768.6 | 1785.4 | 1802.1 | 1811.2 | 1820.2 | 1824.5 | 1820.2 |
| 1734.4 | 10° | 1771.0 | 1807.5 | 1840.2 | 1872.8 | 1892.5 | 1912.2 | 1921.0 | 1929.7 | 1933.1 | 1929.7 |
| 1785.4 | 12.5° | 1825.0 | 1864.6 | 1894.1 | 1923.5 | 1937.8 | 1952.1 | 1956.9 | 1961.7 | 1962.3 | 1961.7 |
| 1816.4 | 15° | 1850.6 | 1884.7 | 1903.2 | 1921.7 | 1922.2 | 1922.7 | 1917.6 | 1912.5 | 1906.5 | 1912.5 |
| 1833.8 | 17.5° | 1856.8 | 1879.9 | 1880.3 | 1880.6 | 1859.9 | 1839.1 | 1820.1 | 1801.1 | 1787.7 | 1801.1 |
| 1853.0 | 20° | 1861.0 | 1869.1 | 1844.8 | 1820.4 | 1774.7 | 1728.9 | 1695.6 | 1662.3 | 1641.8 | 1662.3 |
| 1875.2 | 22.5° | 1864.7 | 1854.1 | 1803.8 | 1753.4 | 1686.1 | 1618.7 | 1577.1 | 1535.4 | 1512.8 | 1535.4 |
| 1903.9 | 25° | 1870.6 | 1837.3 | 1760.9 | 1684.4 | 1602.6 | 1520.9 | 1477.0 | 1433.3 | 1411.9 | 1433.3 |
| 1942.8 | 27.5° | 1883.3 | 1823.8 | 1722.5 | 1621.2 | 1530.6 | 1440.0 | 1396.9 | 1353.8 | 1333.6 | 1353.8 |
| 1995.3 | 30° | 1906.6 | 1817.9 | 1693.2 | 1568.5 | 1474.1 | 1379.7 | 1339.7 | 1299.7 | 1280.9 | 1299.7 |
| 2057.2 | 32.5° | 1935.7 | 1814.3 | 1673.2 | 1532.1 | 1443.4 | 1354.7 | 1323.3 | 1291.9 | 1278.3 | 1291.9 |
| 2132.5 | 35° | 1983.8 | 1835.2 | 1688.2 | 1541.2 | 1479.5 | 1418.0 | 1410.6 | 1403.3 | 1402.2 | 1403.3 |
| 2259.2 | 37.5° | 2084.3 | 1909.4 | 1775.8 | 1642.2 | 1638.2 | 1634.2 | 1667.7 | 1701.2 | 1718.6 | 1701.2 |
| 2450.6 | 40° | 2260.5 | 2070.3 | 1970.9 | 1871.5 | 1941.7 | 2011.8 | 2093.2 | 2174.6 | 2215.2 | 2174.6 |
| 2704.6 | 42.5° | 2515.9 | 2327.2 | 2269.9 | 2212.7 | 2365.7 | 2518.6 | 2666.7 | 2814.7 | 2901.7 | 2814.7 |
| 3018.1 | 45° | 2848.6 | 2679.1 | 2653.8 | 2628.5 | 2873.6 | 3118.7 | 3362.0 | 3605.3 | 3753.0 | 3605.3 |
| 3410.3 | 47.5° | 3245.4 | 3080.4 | 3075.3 | 3070.2 | 3423.7 | 3777.2 | 4133.3 | 4489.4 | 4698.6 | 4489.4 |
| 3924.3 | 50° | 3720.6 | 3516.9 | 3517.8 | 3518.6 | 3974.3 | 4429.9 | 4900.0 | 5370.1 | 5654.3 | 5370.1 |
| 4514.3 | 52.5° | 4267.6 | 4021.0 | 3996.1 | 3971.1 | 4515.3 | 5059.6 | 5641.2 | 6222.9 | 6563.5 | 6222.9 |
| 5142.4 | 55° | 4898.7 | 4655.0 | 4557.8 | 4460.6 | 5066.3 | 5672.0 | 6365.4 | 7058.8 | 7464.0 | 7058.8 |
| 5713.7 | 57.5° | 5581.0 | 5448.3 | 5253.3 | 5058.3 | 5670.0 | 6281.6 | 7067.0 | 7852.4 | 8354.8 | 7852.4 |
| 6059.0 | 60° | 6265.1 | 6471.3 | 6229.2 | 5987.0 | 6565.8 | 7144.6 | 7985.5 | 8826.4 | 9369.5 | 8826.4 |
| 5883.7 | 62.5° | 6446.9 | 7010.1 | 6982.8 | 6955.4 | 7485.6 | 8015.9 | 8816.0 | 9616.0 | 10117.9 | 9616.0 |
| 5532.8 | 65° | 6061.3 | 6589.9 | 6694.5 | 6799.0 | 7472.9 | 8146.7 | 8922.5 | 9698.2 | 10125.6 | 9698.2 |
| 5062.5 | 67.5° | 5565.3 | 6068.0 | 6117.0 | 6166.0 | 6868.1 | 7570.1 | 8349.2 | 9128.4 | 9463.2 | 9128.4 |
| 4497.6 | 70° | 5044.4 | 5591.3 | 5613.2 | 5635.1 | 6263.0 | 6890.8 | 7561.3 | 8231.7 | 8417.8 | 8231.7 |
| 3824.4 | 72.5° | 4451.9 | 5079.4 | 5095.2 | 5110.9 | 5602.1 | 6093.3 | 6595.5 | 7097.6 | 7116.4 | 7097.6 |
| 2972.8 | 75° | 3622.3 | 4271.7 | 4330.0 | 4388.3 | 4770.5 | 5152.6 | 5506.1 | 5859.6 | 5764.9 | 5859.6 |
| 2124.0 | 77.5° | 2730.3 | 3336.6 | 3420.0 | 3503.4 | 3794.0 | 4084.5 | 4335.2 | 4585.9 | 4423.1 | 4585.9 |
| 1390.2 | 80° | 1900.2 | 2410.2 | 2513.9 | 2617.6 | 2837.1 | 3056.4 | 3188.0 | 3319.7 | 3057.8 | 3319.7 |
| 808.1 | 82.5° | 1156.8 | 1505.5 | 1621.4 | 1737.3 | 1888.3 | 2039.3 | 2094.2 | 2149.1 | 1943.3 | 2149.1 |
| 355.5 | 85° | 540.6 | 725.7 | 824.2 | 922.8 | 1046.9 | 1170.9 | 1202.1 | 1233.3 | 1068.4 | 1233.3 |
| 110.1 | 87.5° | 172.3 | 234.5 | 289.4 | 344.4 | 406.5 | 468.5 | 471.2 | 473.8 | 397.8 | 473.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 325° | | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 1334.1 | 0° | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 | 1334.1 |
| 1472.6 | 2.5° | 1470.3 | 1465.7 | 1461.1 | 1453.3 | 1445.6 | 1440.1 | 1434.7 |
| 1645.2 | 5° | 1639.0 | 1628.7 | 1618.5 | 1599.6 | 1580.8 | 1561.7 | 1542.7 |
| 1811.2 | 7.5° | 1802.1 | 1785.4 | 1768.6 | 1740.8 | 1713.0 | 1682.2 | 1651.3 |
| 1921.0 | 10° | 1912.2 | 1892.5 | 1872.8 | 1840.2 | 1807.5 | 1771.0 | 1734.4 |
| 1956.9 | 12.5° | 1952.1 | 1937.8 | 1923.5 | 1894.1 | 1864.6 | 1825.0 | 1785.4 |
| 1917.6 | 15° | 1922.7 | 1922.2 | 1921.7 | 1903.2 | 1884.7 | 1850.6 | 1816.4 |
| 1820.1 | 17.5° | 1839.1 | 1859.9 | 1880.6 | 1880.3 | 1879.9 | 1856.8 | 1833.8 |
| 1695.6 | 20° | 1728.9 | 1774.7 | 1820.4 | 1844.8 | 1869.1 | 1861.0 | 1853.0 |
| 1577.1 | 22.5° | 1618.7 | 1686.1 | 1753.4 | 1803.8 | 1854.1 | 1864.7 | 1875.2 |
| 1477.0 | 25° | 1520.9 | 1602.6 | 1684.4 | 1760.9 | 1837.3 | 1870.6 | 1903.9 |
| 1396.9 | 27.5° | 1440.0 | 1530.6 | 1621.2 | 1722.5 | 1823.8 | 1883.3 | 1942.8 |
| 1339.7 | 30° | 1379.7 | 1474.1 | 1568.5 | 1693.2 | 1817.9 | 1906.6 | 1995.3 |
| 1323.3 | 32.5° | 1354.7 | 1443.4 | 1532.1 | 1673.2 | 1814.3 | 1935.7 | 2057.2 |
| 1410.6 | 35° | 1418.0 | 1479.5 | 1541.2 | 1688.2 | 1835.2 | 1983.8 | 2132.5 |
| 1667.7 | 37.5° | 1634.2 | 1638.2 | 1642.2 | 1775.8 | 1909.4 | 2084.3 | 2259.2 |
| 2093.2 | 40° | 2011.8 | 1941.7 | 1871.5 | 1970.9 | 2070.3 | 2260.5 | 2450.6 |
| 2666.7 | 42.5° | 2518.6 | 2365.7 | 2212.7 | 2269.9 | 2327.2 | 2515.9 | 2704.6 |
| 3362.0 | 45° | 3118.7 | 2873.6 | 2628.5 | 2653.8 | 2679.1 | 2848.6 | 3018.1 |
| 4133.3 | 47.5° | 3777.2 | 3423.7 | 3070.2 | 3075.3 | 3080.4 | 3245.4 | 3410.3 |
| 4900.0 | 50° | 4429.9 | 3974.3 | 3518.6 | 3517.8 | 3516.9 | 3720.6 | 3924.3 |
| 5641.2 | 52.5° | 5059.6 | 4515.3 | 3971.1 | 3996.1 | 4021.0 | 4267.6 | 4514.3 |
| 6365.4 | 55° | 5672.0 | 5066.3 | 4460.6 | 4557.8 | 4655.0 | 4898.7 | 5142.4 |
| 7067.0 | 57.5° | 6281.6 | 5670.0 | 5058.3 | 5253.3 | 5448.3 | 5581.0 | 5713.7 |
| 7985.5 | 60° | 7144.6 | 6565.8 | 5987.0 | 6229.2 | 6471.3 | 6265.1 | 6059.0 |
| 8816.0 | 62.5° | 8015.9 | 7485.6 | 6955.4 | 6982.8 | 7010.1 | 6446.9 | 5883.7 |
| 8922.5 | 65° | 8146.7 | 7472.9 | 6799.0 | 6694.5 | 6589.9 | 6061.3 | 5532.8 |
| 8349.2 | 67.5° | 7570.1 | 6868.1 | 6166.0 | 6117.0 | 6068.0 | 5565.3 | 5062.5 |
| 7561.3 | 70° | 6890.8 | 6263.0 | 5635.1 | 5613.2 | 5591.3 | 5044.4 | 4497.6 |
| 6595.5 | 72.5° | 6093.3 | 5602.1 | 5110.9 | 5095.2 | 5079.4 | 4451.9 | 3824.4 |
| 5506.1 | 75° | 5152.6 | 4770.5 | 4388.3 | 4330.0 | 4271.7 | 3622.3 | 2972.8 |
| 4335.2 | 77.5° | 4084.5 | 3794.0 | 3503.4 | 3420.0 | 3336.6 | 2730.3 | 2124.0 |
| 3188.0 | 80° | 3056.4 | 2837.1 | 2617.6 | 2513.9 | 2410.2 | 1900.2 | 1390.2 |
| 2094.2 | 82.5° | 2039.3 | 1888.3 | 1737.3 | 1621.4 | 1505.5 | 1156.8 | 808.1 |
| 1202.1 | 85° | 1170.9 | 1046.9 | 922.8 | 824.2 | 725.7 | 540.6 | 355.5 |
| 471.2 | 87.5° | 468.5 | 406.5 | 344.4 | 289.4 | 234.5 | 172.3 | 110.1 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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