

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: P945658

Luminaire Tested: **GALN-SB1C-750-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945658  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-750-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

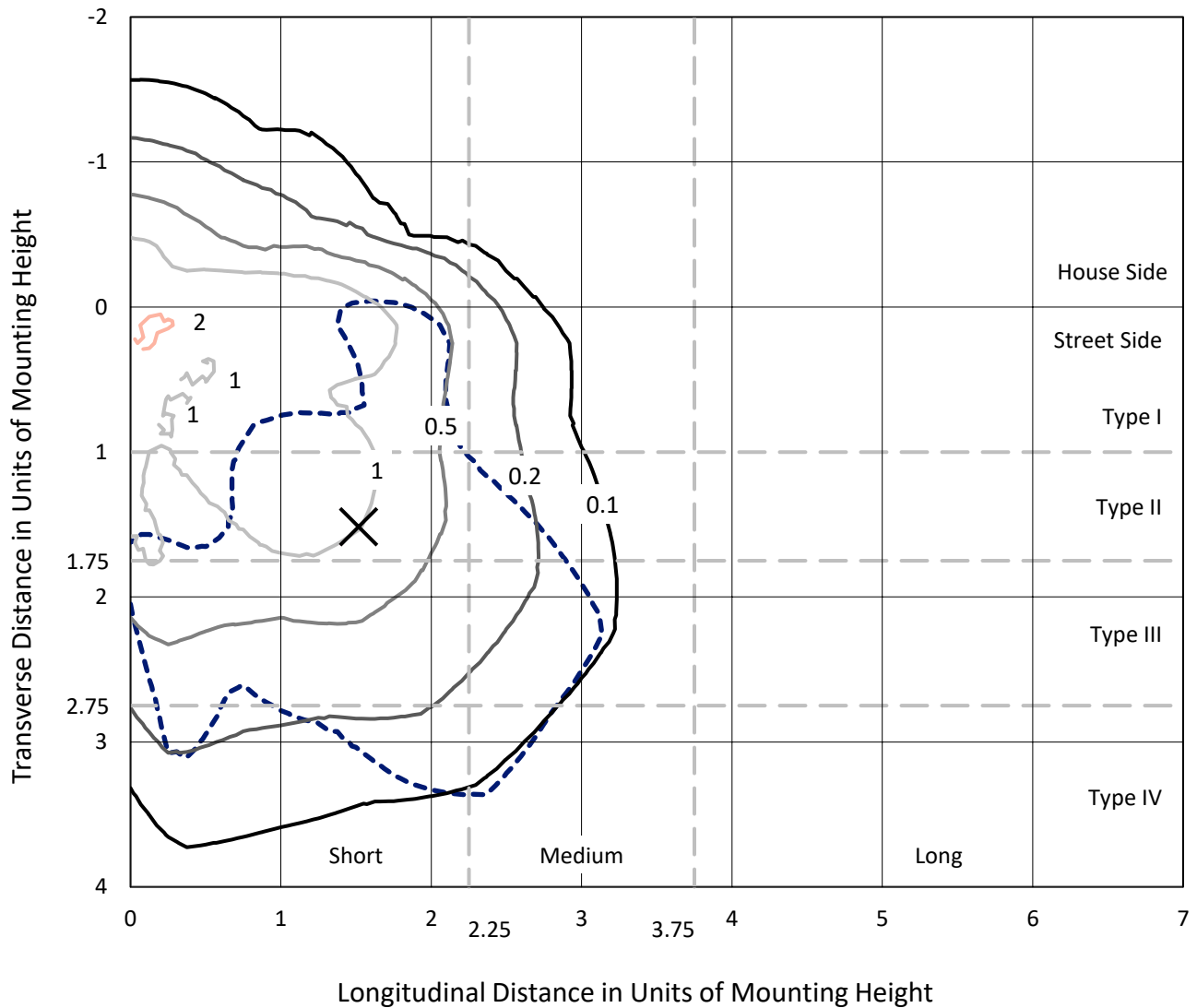
Lumens per Lamp: N/A  
Luminaire Lumens: 6049 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

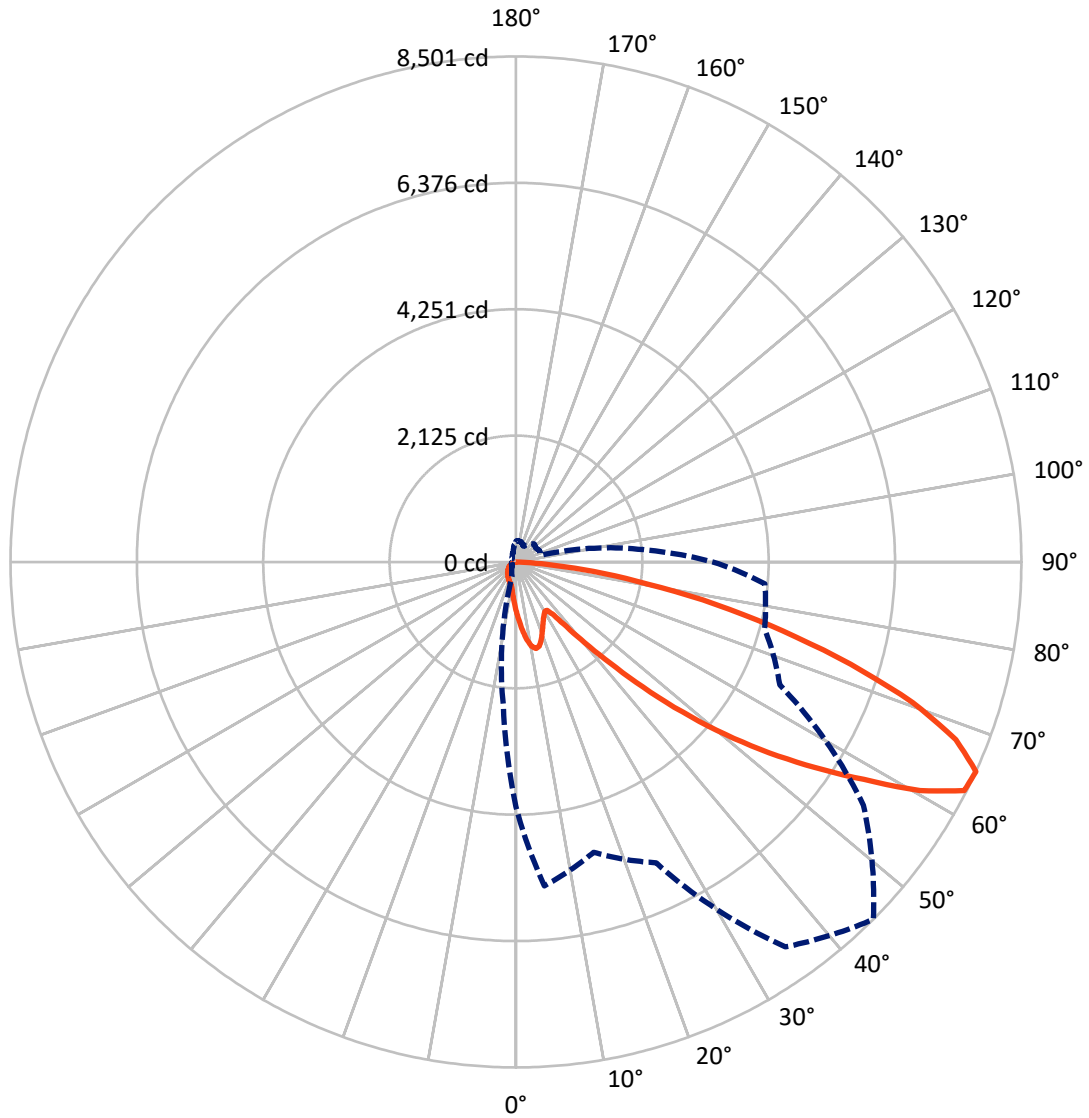
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1202.3   | 0.0    | 1202.3 |
|                    | % Fixture | 19.9     | 0.0    | 19.9   |
| <b>Street Side</b> | Lumens    | 4846.7   | 0.0    | 4846.7 |
|                    | % Fixture | 80.1     | 0.0    | 80.1   |
| <b>Total</b>       | Lumens    | 6049.0   | 0.0    | 6049.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.5   | 1.4       |
| 10°-20°   | 247.2  | 4.1       |
| 20°-30°   | 364.2  | 6.0       |
| 30°-40°   | 467.9  | 7.7       |
| 40°-50°   | 756.7  | 12.5      |
| 50°-60°   | 1326.9 | 21.9      |
| 60°-70°   | 1660.3 | 27.4      |
| 70°-80°   | 970.2  | 16.0      |
| 80°-90°   | 173.1  | 2.9       |
| 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°    | 6049.0 | 100.0     |
| 0°-180°   | 6049.0 | 100.0     |



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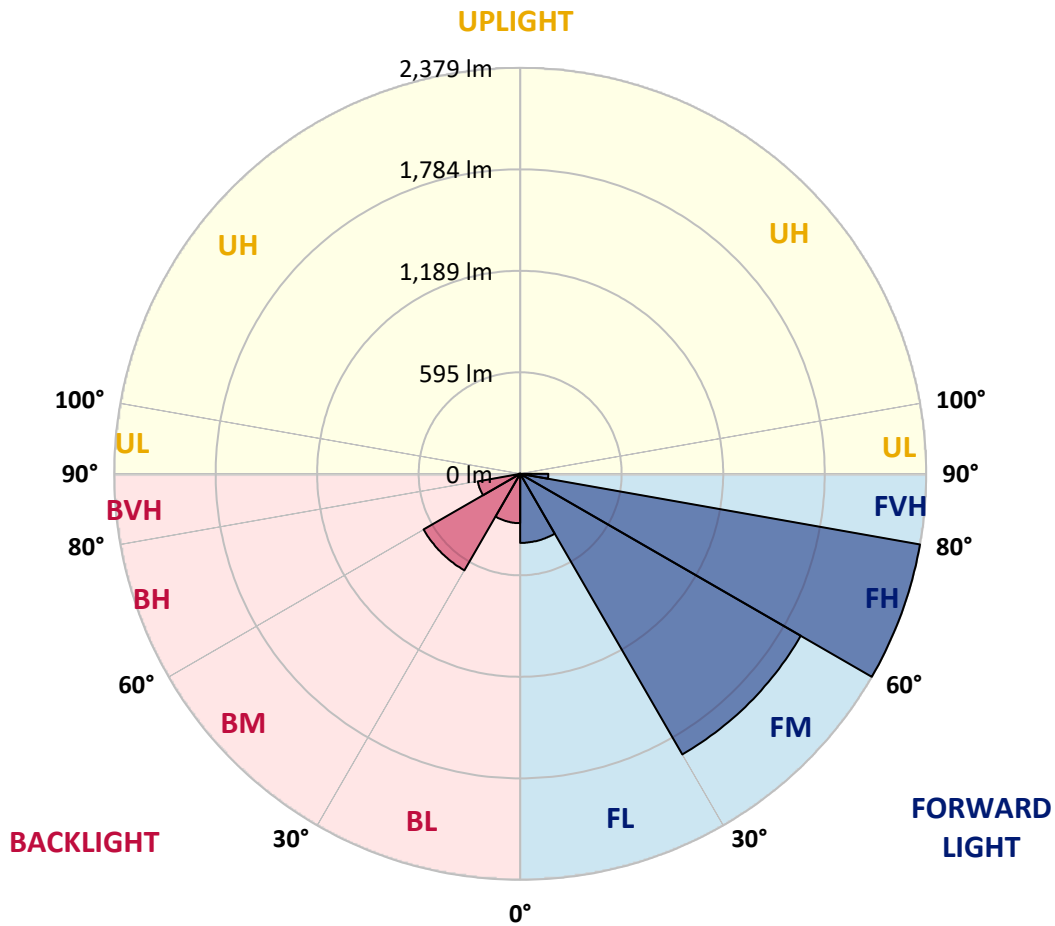
CATALOG NUMBER: GALN-SB1C-750-U-SLL-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 404.7  | 6.7       |                         |      |         |
| FM (30°-60°)   | 1898.3 | 31.4      |                         |      |         |
| FH (60°-80°)   | 2378.7 | 39.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 165.0  | 2.7       |                         |      | G2/225  |
| BL (0°-30°)    | 289.1  | 4.8       | B1/500                  |      |         |
| BM (30°-60°)   | 653.2  | 10.8      | B1/1000                 |      |         |
| BH (60°-80°)   | 251.9  | 4.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 8.1    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  | 837.6  |
| 2.5°  | 938.4  | 945.5  | 961.4  | 969.7  | 982.6  | 983.4  | 983.4  | 972.2  | 971.8  | 948.9  |
| 5°    | 1048.9 | 1065.5 | 1103.0 | 1141.8 | 1150.1 | 1152.2 | 1148.0 | 1125.5 | 1108.9 | 1064.3 |
| 7.5°  | 1158.5 | 1190.5 | 1247.6 | 1299.3 | 1316.0 | 1316.0 | 1306.0 | 1269.3 | 1235.1 | 1170.5 |
| 10°   | 1249.3 | 1289.7 | 1367.2 | 1425.2 | 1444.3 | 1440.2 | 1419.7 | 1373.5 | 1326.4 | 1248.1 |
| 12.5° | 1309.3 | 1354.7 | 1439.7 | 1486.4 | 1506.0 | 1495.2 | 1471.8 | 1426.8 | 1377.2 | 1294.7 |
| 15°   | 1339.3 | 1386.8 | 1460.6 | 1485.2 | 1479.7 | 1468.5 | 1465.6 | 1443.9 | 1406.4 | 1329.3 |
| 17.5° | 1352.2 | 1396.4 | 1447.7 | 1432.2 | 1386.4 | 1377.7 | 1406.8 | 1434.3 | 1425.2 | 1359.3 |
| 20°   | 1364.3 | 1401.4 | 1416.8 | 1348.5 | 1268.5 | 1260.6 | 1316.4 | 1394.7 | 1434.7 | 1387.2 |
| 22.5° | 1381.0 | 1403.9 | 1372.2 | 1260.1 | 1173.9 | 1155.5 | 1217.2 | 1335.1 | 1437.7 | 1422.7 |
| 25°   | 1403.9 | 1410.2 | 1323.1 | 1176.4 | 1089.7 | 1071.4 | 1128.9 | 1268.9 | 1432.7 | 1461.0 |
| 27.5° | 1431.4 | 1418.5 | 1276.0 | 1106.4 | 1022.6 | 1005.5 | 1063.0 | 1205.1 | 1418.5 | 1499.3 |
| 30°   | 1467.2 | 1429.3 | 1229.3 | 1052.2 | 974.7  | 962.2  | 1017.6 | 1150.1 | 1401.0 | 1548.1 |
| 32.5° | 1503.5 | 1433.9 | 1186.0 | 1020.5 | 963.9  | 968.4  | 1013.9 | 1120.5 | 1381.8 | 1594.8 |
| 35°   | 1542.7 | 1448.5 | 1164.7 | 1051.8 | 1054.3 | 1094.3 | 1113.0 | 1148.0 | 1378.9 | 1658.1 |
| 37.5° | 1596.0 | 1481.0 | 1190.1 | 1207.2 | 1293.9 | 1376.8 | 1361.4 | 1282.6 | 1412.7 | 1752.7 |
| 40°   | 1672.7 | 1538.1 | 1301.0 | 1471.8 | 1649.8 | 1784.4 | 1725.6 | 1527.3 | 1516.0 | 1889.0 |
| 42.5° | 1784.4 | 1628.9 | 1497.7 | 1795.2 | 2096.9 | 2318.6 | 2161.1 | 1842.7 | 1696.9 | 2083.6 |
| 45°   | 1949.4 | 1776.0 | 1735.6 | 2136.5 | 2648.2 | 2997.4 | 2669.9 | 2179.0 | 1950.2 | 2378.2 |
| 47.5° | 2178.2 | 1992.3 | 1958.6 | 2496.1 | 3318.3 | 3770.0 | 3234.1 | 2490.7 | 2238.6 | 2779.9 |
| 50°   | 2481.9 | 2283.6 | 2169.8 | 2889.5 | 4052.9 | 4557.6 | 3797.9 | 2791.6 | 2569.0 | 3270.8 |
| 52.5° | 2882.8 | 2689.9 | 2416.1 | 3264.1 | 4808.5 | 5328.5 | 4364.2 | 3055.8 | 2979.1 | 3840.4 |
| 55°   | 3429.5 | 3301.2 | 2752.8 | 3621.7 | 5563.5 | 6104.0 | 4908.5 | 3305.0 | 3520.8 | 4517.2 |
| 57.5° | 4108.0 | 4199.6 | 3238.3 | 4036.3 | 6242.4 | 6903.3 | 5455.2 | 3653.3 | 4224.2 | 5273.9 |
| 60°   | 4545.5 | 5394.3 | 4168.0 | 4649.3 | 7013.7 | 7807.1 | 6204.4 | 4315.9 | 4963.5 | 5545.2 |
| 62.5° | 4439.7 | 5774.4 | 5281.4 | 5431.9 | 7722.9 | 8464.3 | 6938.7 | 4981.4 | 5102.6 | 5145.6 |
| 65°   | 4115.0 | 5467.7 | 5054.3 | 5584.0 | 7902.5 | 8501.4 | 7135.0 | 4895.5 | 4328.4 | 4200.9 |
| 67.5° | 3668.3 | 5103.9 | 4514.7 | 5180.6 | 7577.9 | 7983.0 | 6769.5 | 4330.5 | 3345.0 | 3152.4 |
| 70°   | 3186.2 | 4701.4 | 4160.5 | 4728.0 | 6959.1 | 7079.5 | 6148.2 | 3808.8 | 2460.3 | 2129.0 |
| 72.5° | 2728.6 | 4282.1 | 3917.9 | 4264.2 | 6133.6 | 5884.4 | 5339.3 | 3347.5 | 1791.4 | 1535.6 |
| 75°   | 2260.7 | 3663.7 | 3572.5 | 3713.3 | 5048.1 | 4635.1 | 4436.3 | 2771.6 | 1406.0 | 1111.0 |
| 77.5° | 1744.4 | 2862.8 | 3072.8 | 2973.7 | 3553.3 | 3442.9 | 3438.7 | 2082.7 | 1027.2 | 741.3  |
| 80°   | 1193.9 | 1995.2 | 2400.7 | 2097.7 | 2306.1 | 2249.8 | 2589.9 | 1397.2 | 745.1  | 446.3  |
| 82.5° | 701.7  | 1214.7 | 1671.0 | 1015.5 | 1275.1 | 1308.9 | 1542.3 | 679.7  | 438.4  | 102.9  |
| 85°   | 284.6  | 479.6  | 653.4  | 397.5  | 615.1  | 518.8  | 585.5  | 190.9  | 122.1  | 2.5    |
| 87.5° | 71.7   | 153.4  | 107.5  | 44.6   | 71.3   | 65.4   | 51.7   | 23.3   | 5.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 837.6  | 0°    | 837.6  | 837.6  | 837.6  | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 |
| 946.4  | 2.5°  | 930.1  | 920.5  | 896.8  | 873.0 | 853.8 | 828.0 | 810.9 | 790.5 | 770.9 | 753.4 |
| 1054.7 | 5°    | 1028.4 | 996.8  | 953.4  | 913.9 | 873.4 | 834.3 | 795.5 | 754.7 | 717.2 | 694.2 |
| 1146.4 | 7.5°  | 1108.5 | 1052.6 | 995.1  | 944.7 | 895.9 | 850.1 | 798.8 | 749.2 | 690.5 | 659.2 |
| 1216.4 | 10°   | 1168.0 | 1094.7 | 1019.3 | 961.4 | 912.2 | 867.6 | 824.3 | 774.3 | 703.4 | 664.2 |
| 1258.9 | 12.5° | 1207.2 | 1120.1 | 1031.8 | 965.5 | 910.5 | 875.9 | 856.8 | 837.2 | 766.8 | 720.9 |
| 1290.1 | 15°   | 1234.3 | 1138.0 | 1040.5 | 955.9 | 888.4 | 863.0 | 882.2 | 904.7 | 859.7 | 806.8 |
| 1322.6 | 17.5° | 1263.9 | 1161.4 | 1044.3 | 930.1 | 845.5 | 834.7 | 884.3 | 936.4 | 934.3 | 881.8 |
| 1353.5 | 20°   | 1295.1 | 1181.8 | 1041.8 | 888.4 | 793.4 | 803.0 | 866.3 | 926.8 | 952.2 | 923.9 |
| 1388.9 | 22.5° | 1327.2 | 1201.4 | 1032.2 | 834.3 | 744.7 | 774.7 | 838.0 | 890.9 | 920.9 | 912.2 |
| 1432.2 | 25°   | 1367.7 | 1228.9 | 1018.0 | 775.9 | 704.2 | 745.9 | 805.1 | 848.0 | 868.8 | 868.4 |
| 1478.9 | 27.5° | 1416.0 | 1265.6 | 1010.5 | 728.8 | 675.5 | 713.4 | 765.9 | 804.3 | 818.8 | 818.8 |
| 1536.8 | 30°   | 1472.2 | 1308.9 | 1002.2 | 698.0 | 658.8 | 679.7 | 720.5 | 758.0 | 772.6 | 772.6 |
| 1600.2 | 32.5° | 1534.8 | 1350.6 | 982.2  | 679.2 | 646.3 | 646.7 | 672.6 | 706.7 | 724.2 | 726.7 |
| 1679.4 | 35°   | 1609.8 | 1395.2 | 938.4  | 664.2 | 631.7 | 614.7 | 627.2 | 655.5 | 676.3 | 681.7 |
| 1792.3 | 37.5° | 1708.1 | 1449.7 | 875.9  | 642.2 | 609.2 | 580.9 | 583.8 | 605.5 | 628.4 | 636.7 |
| 1948.1 | 40°   | 1840.2 | 1513.9 | 810.9  | 610.5 | 577.6 | 543.8 | 542.6 | 558.4 | 580.9 | 590.1 |
| 2159.0 | 42.5° | 2014.8 | 1591.0 | 748.8  | 580.1 | 539.2 | 504.6 | 502.6 | 515.1 | 534.6 | 544.2 |
| 2437.4 | 45°   | 2238.2 | 1685.6 | 695.5  | 556.3 | 501.7 | 467.6 | 466.7 | 477.1 | 494.2 | 504.2 |
| 2793.6 | 47.5° | 2548.6 | 1780.2 | 659.2  | 543.8 | 472.1 | 437.1 | 438.8 | 448.0 | 463.4 | 470.5 |
| 3254.9 | 50°   | 2953.2 | 1809.0 | 640.9  | 543.8 | 456.3 | 410.0 | 418.4 | 425.9 | 437.5 | 441.7 |
| 3807.9 | 52.5° | 3341.6 | 1713.9 | 624.2  | 547.1 | 458.4 | 387.1 | 405.0 | 410.5 | 420.5 | 422.1 |
| 4320.5 | 55°   | 3532.1 | 1473.5 | 601.3  | 548.0 | 471.3 | 367.5 | 394.2 | 404.2 | 408.0 | 407.5 |
| 4618.0 | 57.5° | 3466.6 | 1191.4 | 562.6  | 544.6 | 480.1 | 355.0 | 380.9 | 400.0 | 402.5 | 398.8 |
| 4561.3 | 60°   | 3237.0 | 877.2  | 533.0  | 520.1 | 476.7 | 351.3 | 360.5 | 390.9 | 394.6 | 389.6 |
| 4124.6 | 62.5° | 2852.0 | 608.8  | 510.1  | 465.9 | 462.1 | 350.0 | 328.4 | 370.9 | 380.0 | 373.0 |
| 3315.4 | 65°   | 2245.2 | 430.0  | 439.2  | 408.4 | 430.5 | 343.4 | 295.0 | 346.7 | 359.2 | 348.4 |
| 2405.3 | 67.5° | 1519.3 | 310.5  | 355.9  | 370.0 | 379.2 | 328.4 | 270.9 | 319.2 | 335.9 | 321.7 |
| 1543.5 | 70°   | 820.5  | 217.9  | 235.0  | 311.7 | 322.1 | 302.5 | 249.2 | 291.3 | 310.5 | 295.0 |
| 1097.2 | 72.5° | 484.6  | 156.7  | 164.6  | 250.4 | 268.4 | 266.3 | 225.0 | 258.8 | 282.1 | 263.8 |
| 757.2  | 75°   | 267.1  | 105.8  | 117.5  | 181.7 | 217.9 | 205.4 | 193.4 | 219.2 | 242.9 | 225.0 |
| 474.6  | 77.5° | 119.6  | 63.3   | 81.7   | 119.2 | 171.3 | 140.8 | 149.6 | 170.9 | 192.9 | 174.2 |
| 264.2  | 80°   | 46.3   | 35.4   | 54.2   | 65.0  | 124.6 | 77.9  | 96.3  | 125.8 | 141.7 | 126.7 |
| 57.5   | 82.5° | 5.8    | 15.8   | 23.3   | 25.4  | 72.5  | 41.3  | 55.8  | 79.2  | 77.9  | 67.5  |
| 0.0    | 85°   | 0.0    | 2.9    | 3.3    | 1.7   | 31.3  | 15.0  | 18.3  | 25.8  | 24.2  | 18.3  |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.8   | 0.0   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

| 185°  |       | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 837.6 | 0°    | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 |
| 750.1 | 2.5°  | 729.7 | 714.7 | 707.2 | 700.9 | 706.7 | 710.1 | 710.1 | 724.2 | 732.6 | 735.9 |
| 679.7 | 5°    | 643.0 | 615.1 | 596.3 | 585.1 | 588.8 | 593.0 | 597.6 | 615.5 | 627.6 | 635.5 |
| 630.9 | 7.5°  | 574.6 | 532.1 | 505.9 | 492.1 | 494.2 | 497.1 | 500.9 | 518.4 | 530.5 | 540.9 |
| 621.7 | 10°   | 540.9 | 480.9 | 446.3 | 429.6 | 426.7 | 425.0 | 423.8 | 434.2 | 443.4 | 451.7 |
| 659.2 | 12.5° | 542.6 | 458.8 | 416.7 | 396.3 | 387.5 | 377.5 | 369.6 | 371.3 | 377.1 | 387.5 |
| 726.3 | 15°   | 563.8 | 451.7 | 401.3 | 375.9 | 361.3 | 349.6 | 340.0 | 338.0 | 340.0 | 341.7 |
| 803.0 | 17.5° | 592.6 | 450.9 | 388.0 | 356.3 | 341.3 | 331.7 | 323.0 | 320.0 | 320.5 | 322.5 |
| 853.8 | 20°   | 615.5 | 448.4 | 373.0 | 337.5 | 324.2 | 315.9 | 307.1 | 304.2 | 305.0 | 305.5 |
| 858.8 | 22.5° | 627.6 | 444.6 | 356.3 | 318.8 | 307.5 | 299.2 | 291.3 | 290.9 | 290.9 | 293.4 |
| 831.8 | 25°   | 627.6 | 436.7 | 341.3 | 300.9 | 290.9 | 283.4 | 273.8 | 275.4 | 276.3 | 279.6 |
| 789.7 | 27.5° | 612.6 | 421.7 | 329.2 | 285.4 | 275.0 | 267.5 | 258.8 | 260.9 | 262.1 | 265.9 |
| 748.0 | 30°   | 593.4 | 403.8 | 315.5 | 270.9 | 258.8 | 253.4 | 245.9 | 246.7 | 248.4 | 252.5 |
| 709.2 | 32.5° | 573.0 | 382.5 | 304.2 | 256.3 | 244.2 | 240.0 | 231.7 | 232.9 | 234.6 | 239.2 |
| 670.9 | 35°   | 550.5 | 357.5 | 290.9 | 242.9 | 230.9 | 227.5 | 217.9 | 218.8 | 221.3 | 226.3 |
| 629.7 | 37.5° | 526.7 | 337.1 | 277.5 | 230.0 | 217.5 | 214.2 | 204.2 | 205.0 | 207.9 | 213.8 |
| 586.3 | 40°   | 503.4 | 317.1 | 263.4 | 216.3 | 203.8 | 200.9 | 190.0 | 190.9 | 194.2 | 200.4 |
| 542.6 | 42.5° | 478.0 | 301.7 | 245.0 | 202.1 | 188.8 | 185.9 | 175.9 | 177.1 | 180.9 | 187.1 |
| 502.1 | 45°   | 447.5 | 291.7 | 224.6 | 188.8 | 173.8 | 170.9 | 161.7 | 164.2 | 168.4 | 174.6 |
| 467.6 | 47.5° | 416.3 | 287.5 | 207.5 | 174.6 | 158.4 | 155.9 | 148.3 | 152.5 | 157.1 | 162.1 |
| 438.0 | 50°   | 386.3 | 282.1 | 190.0 | 161.3 | 145.0 | 142.5 | 137.5 | 142.9 | 147.5 | 152.1 |
| 416.7 | 52.5° | 352.1 | 270.4 | 174.2 | 149.6 | 133.8 | 132.9 | 130.4 | 135.4 | 139.6 | 143.8 |
| 398.4 | 55°   | 316.7 | 251.7 | 160.4 | 139.2 | 124.2 | 125.0 | 123.8 | 127.9 | 131.3 | 135.0 |
| 381.7 | 57.5° | 285.9 | 227.9 | 149.6 | 127.9 | 115.8 | 118.3 | 116.7 | 118.8 | 120.8 | 125.4 |
| 361.7 | 60°   | 254.6 | 199.6 | 137.5 | 114.6 | 107.5 | 110.4 | 105.8 | 105.4 | 106.3 | 107.5 |
| 332.1 | 62.5° | 212.5 | 170.0 | 122.5 | 102.9 | 98.3  | 99.6  | 90.8  | 84.2  | 84.2  | 85.4  |
| 290.9 | 65°   | 170.9 | 142.5 | 105.8 | 89.6  | 85.8  | 85.0  | 72.5  | 63.3  | 62.5  | 66.3  |
| 242.9 | 67.5° | 140.4 | 118.3 | 89.2  | 74.6  | 72.1  | 72.9  | 63.8  | 54.6  | 53.8  | 57.9  |
| 197.9 | 70°   | 116.3 | 95.4  | 71.3  | 57.5  | 60.0  | 63.8  | 54.6  | 45.8  | 44.6  | 48.3  |
| 160.9 | 72.5° | 92.5  | 74.6  | 54.6  | 42.5  | 49.6  | 54.2  | 44.6  | 36.3  | 35.4  | 38.8  |
| 124.2 | 75°   | 67.9  | 53.3  | 37.1  | 30.8  | 38.3  | 42.5  | 32.5  | 25.8  | 24.6  | 27.5  |
| 82.9  | 77.5° | 42.1  | 30.0  | 23.3  | 18.3  | 26.3  | 28.3  | 17.1  | 15.0  | 14.6  | 16.7  |
| 50.4  | 80°   | 19.6  | 12.9  | 11.3  | 6.3   | 9.6   | 11.3  | 7.1   | 7.9   | 8.3   | 10.0  |
| 25.4  | 82.5° | 5.4   | 2.1   | 0.4   | 0.0   | 0.0   | 3.3   | 1.7   | 3.3   | 4.2   | 6.3   |
| 2.1   | 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.8   | 2.1   | 3.8   |
| 0.0   | 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.7   |
| 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):**

| 285°  |       | 295°  | 305°  | 315°  | 325°  | 335°  | 345°   | 355°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 837.6 | 0°    | 837.6 | 837.6 | 837.6 | 837.6 | 837.6 | 837.6  | 837.6  | 837.6  |
| 759.3 | 2.5°  | 776.8 | 793.4 | 820.1 | 847.6 | 874.7 | 902.2  | 928.9  | 938.4  |
| 671.7 | 5°    | 704.7 | 743.0 | 795.9 | 852.6 | 910.9 | 970.1  | 1024.3 | 1048.9 |
| 581.3 | 7.5°  | 624.2 | 679.2 | 758.8 | 847.6 | 940.5 | 1033.4 | 1118.9 | 1158.5 |
| 491.7 | 10°   | 538.4 | 608.0 | 698.8 | 818.8 | 952.2 | 1080.5 | 1198.0 | 1249.3 |
| 413.0 | 12.5° | 456.7 | 529.6 | 630.1 | 773.8 | 943.0 | 1107.6 | 1248.9 | 1309.3 |
| 357.5 | 15°   | 388.4 | 453.0 | 561.3 | 720.5 | 913.4 | 1109.3 | 1273.1 | 1339.3 |
| 326.7 | 17.5° | 337.1 | 379.2 | 491.3 | 661.3 | 874.7 | 1093.9 | 1281.4 | 1352.2 |
| 310.0 | 20°   | 311.7 | 323.4 | 400.5 | 585.5 | 838.4 | 1079.3 | 1289.7 | 1364.3 |
| 296.7 | 22.5° | 296.7 | 299.6 | 327.5 | 487.6 | 795.1 | 1074.7 | 1304.3 | 1381.0 |
| 284.6 | 25°   | 284.6 | 285.4 | 292.9 | 386.3 | 728.8 | 1071.8 | 1326.8 | 1403.9 |
| 272.1 | 27.5° | 272.5 | 272.5 | 276.7 | 311.3 | 638.8 | 1059.3 | 1356.0 | 1431.4 |
| 259.6 | 30°   | 260.4 | 260.4 | 263.4 | 275.4 | 533.4 | 1034.7 | 1391.0 | 1467.2 |
| 247.1 | 32.5° | 247.9 | 247.9 | 250.4 | 259.2 | 425.9 | 1003.9 | 1423.1 | 1503.5 |
| 234.2 | 35°   | 235.4 | 234.6 | 237.9 | 247.1 | 338.8 | 964.7  | 1455.2 | 1542.7 |
| 221.3 | 37.5° | 222.1 | 221.7 | 225.0 | 235.4 | 292.5 | 919.3  | 1479.3 | 1596.0 |
| 208.4 | 40°   | 207.9 | 207.9 | 211.7 | 222.9 | 279.2 | 862.2  | 1517.7 | 1672.7 |
| 195.0 | 42.5° | 195.0 | 194.2 | 198.4 | 212.1 | 269.2 | 807.6  | 1586.4 | 1784.4 |
| 182.9 | 45°   | 182.5 | 180.9 | 184.6 | 201.7 | 251.7 | 788.4  | 1714.8 | 1949.4 |
| 171.3 | 47.5° | 170.9 | 166.7 | 170.0 | 189.2 | 235.9 | 860.1  | 1924.8 | 2178.2 |
| 160.9 | 50°   | 161.3 | 153.4 | 156.3 | 176.7 | 223.8 | 1015.5 | 2197.3 | 2481.9 |
| 151.3 | 52.5° | 151.3 | 140.8 | 142.5 | 161.3 | 212.9 | 1163.5 | 2492.8 | 2882.8 |
| 141.7 | 55°   | 140.8 | 129.2 | 130.0 | 145.8 | 197.5 | 1185.5 | 2781.1 | 3429.5 |
| 130.8 | 57.5° | 129.2 | 118.3 | 118.3 | 131.7 | 186.3 | 1027.6 | 3002.8 | 4108.0 |
| 117.5 | 60°   | 116.3 | 109.2 | 107.1 | 120.4 | 196.3 | 725.1  | 3028.7 | 4545.5 |
| 100.4 | 62.5° | 102.1 | 98.3  | 95.4  | 109.6 | 203.8 | 429.6  | 2820.7 | 4439.7 |
| 79.2  | 65°   | 85.8  | 85.0  | 82.9  | 120.4 | 171.7 | 253.8  | 2421.5 | 4115.0 |
| 67.5  | 67.5° | 72.1  | 70.8  | 70.8  | 126.3 | 130.4 | 159.6  | 1891.9 | 3668.3 |
| 57.5  | 70°   | 62.1  | 57.5  | 57.5  | 95.4  | 79.2  | 110.4  | 1321.0 | 3186.2 |
| 47.5  | 72.5° | 52.1  | 47.1  | 43.8  | 76.3  | 59.2  | 80.8   | 825.5  | 2728.6 |
| 36.3  | 75°   | 41.7  | 37.9  | 33.8  | 50.4  | 44.2  | 61.3   | 479.6  | 2260.7 |
| 22.9  | 77.5° | 30.0  | 28.3  | 23.8  | 37.1  | 32.1  | 44.2   | 285.4  | 1744.4 |
| 14.2  | 80°   | 15.4  | 15.8  | 15.0  | 21.3  | 21.7  | 30.0   | 162.5  | 1193.9 |
| 9.2   | 82.5° | 9.2   | 7.1   | 7.9   | 10.4  | 12.5  | 17.1   | 61.3   | 701.7  |
| 6.7   | 85°   | 5.8   | 3.8   | 3.8   | 5.0   | 6.3   | 6.7    | 18.8   | 284.6  |
| 3.3   | 87.5° | 2.9   | 1.3   | 1.7   | 2.5   | 2.1   | 1.7    | 0.8    | 71.7   |
| 0.0   | 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)