

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: P945028

Luminaire Tested: **GALN-SB1A-835-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945028  
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-SB1A-835-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

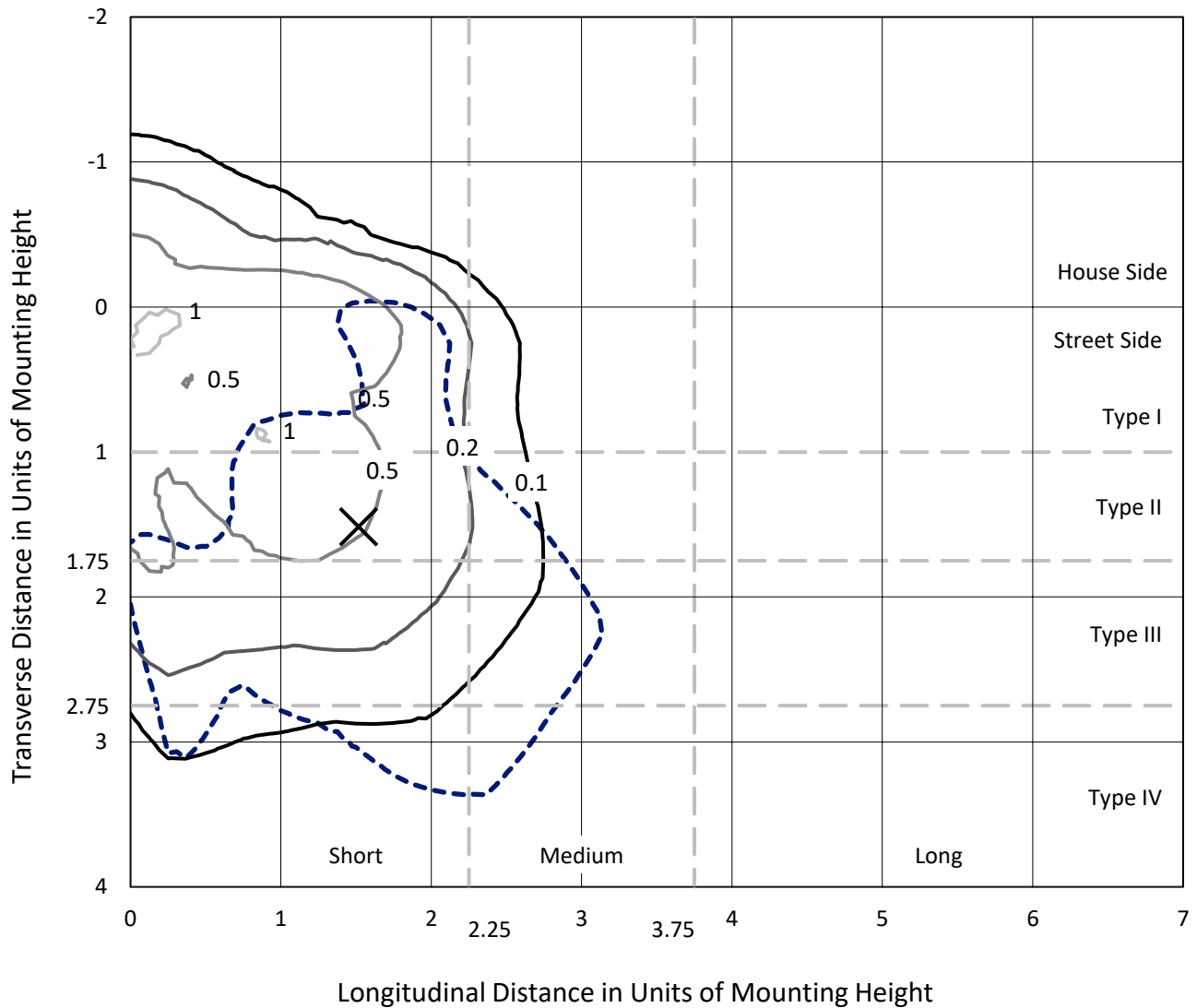
Lumens per Lamp: N/A  
Luminaire Lumens: 3176 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

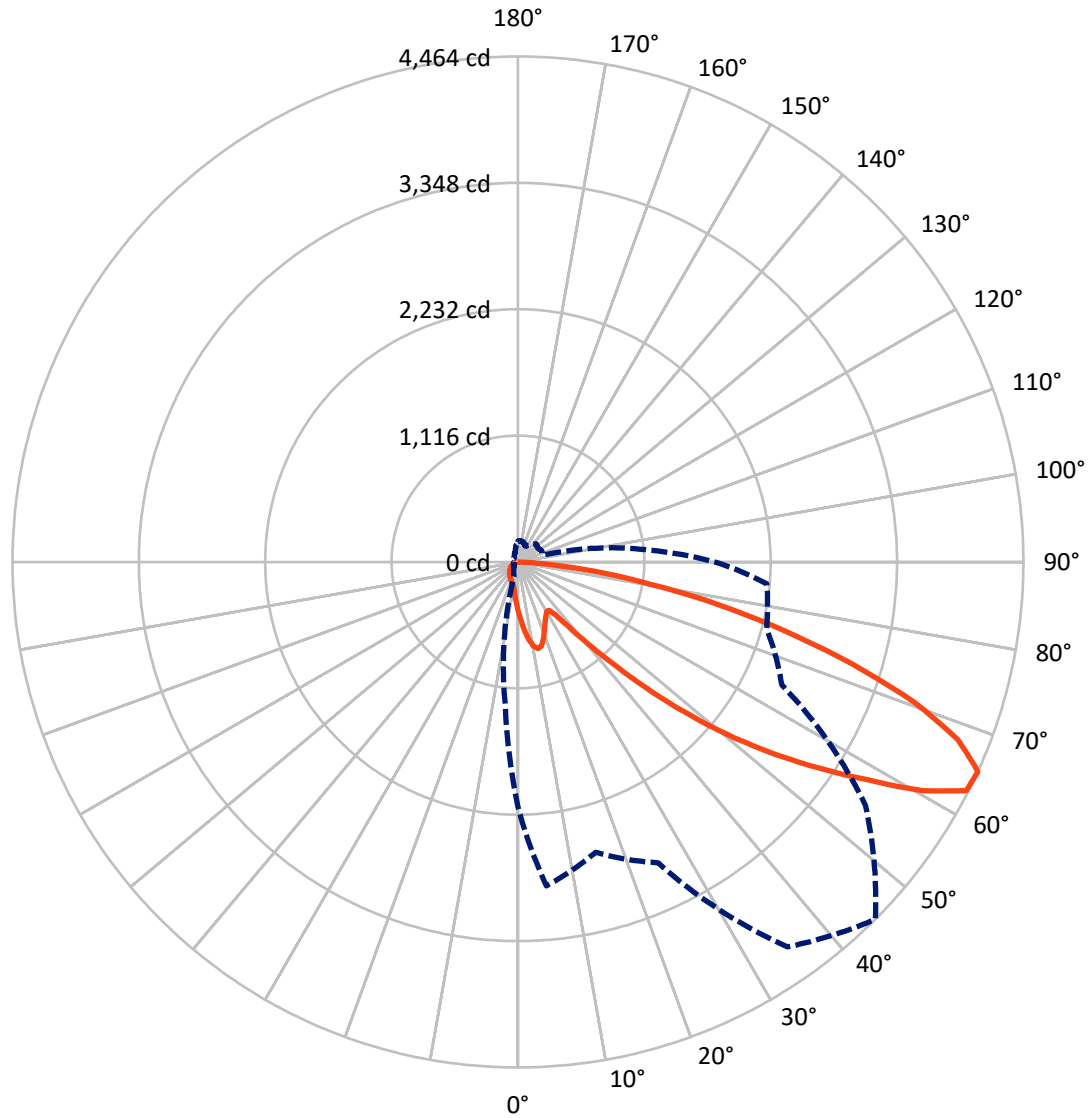
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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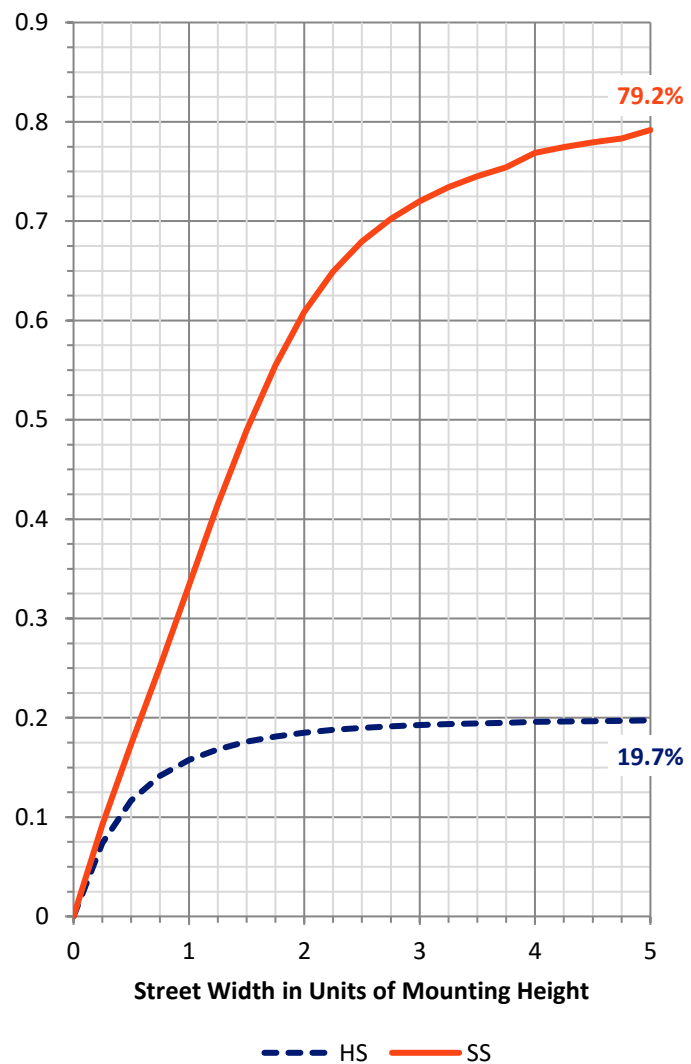
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 631.3    | 0.0    | 631.3  |
|                    | % Fixture | 19.9     | 0.0    | 19.9   |
| <b>Street Side</b> | Lumens    | 2544.7   | 0.0    | 2544.7 |
|                    | % Fixture | 80.1     | 0.0    | 80.1   |
| <b>Total</b>       | Lumens    | 3176.0   | 0.0    | 3176.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.3   | 1.4       |
| 10°-20°   | 129.8  | 4.1       |
| 20°-30°   | 191.2  | 6.0       |
| 30°-40°   | 245.7  | 7.7       |
| 40°-50°   | 397.3  | 12.5      |
| 50°-60°   | 696.7  | 21.9      |
| 60°-70°   | 871.8  | 27.4      |
| 70°-80°   | 509.4  | 16.0      |
| 80°-90°   | 90.9   | 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°    | 3176.0 | 100.0     |
| 0°-180°   | 3176.0 | 100.0     |

**Coefficient of Utilization**



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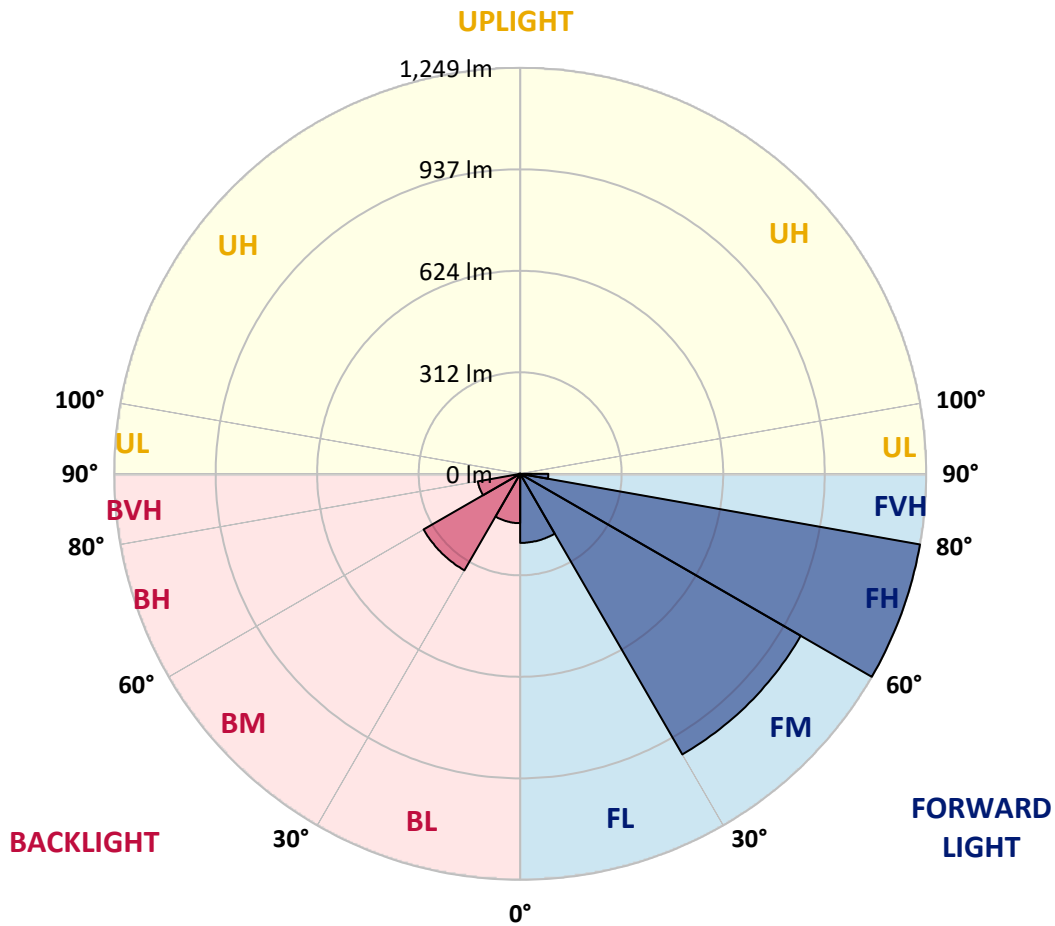
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 212.5  | 6.7       |                         |      |         |
| FM (30°-60°)   | 996.7  | 31.4      |                         |      |         |
| FH (60°-80°)   | 1248.9 | 39.3      |                         |      | G1/1800 |
| FVH (80°-90°)  | 86.6   | 2.7       |                         |      | G1/100  |
| BL (0°-30°)    | 151.8  | 4.8       | B1/500                  |      |         |
| BM (30°-60°)   | 343.0  | 10.8      | B1/1000                 |      |         |
| BH (60°-80°)   | 132.3  | 4.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 4.3    | 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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  | 439.8  |
| 2.5°  | 492.7  | 496.4  | 504.8  | 509.1  | 515.9  | 516.4  | 516.4  | 510.4  | 510.2  | 498.2  |
| 5°    | 550.7  | 559.5  | 579.1  | 599.5  | 603.9  | 605.0  | 602.8  | 591.0  | 582.2  | 558.8  |
| 7.5°  | 608.2  | 625.1  | 655.1  | 682.2  | 690.9  | 690.9  | 685.7  | 666.4  | 648.5  | 614.6  |
| 10°   | 655.9  | 677.2  | 717.9  | 748.3  | 758.3  | 756.1  | 745.4  | 721.1  | 696.4  | 655.3  |
| 12.5° | 687.4  | 711.3  | 755.9  | 780.4  | 790.7  | 785.0  | 772.8  | 749.1  | 723.1  | 679.8  |
| 15°   | 703.2  | 728.1  | 766.9  | 779.8  | 776.9  | 771.0  | 769.5  | 758.1  | 738.4  | 698.0  |
| 17.5° | 710.0  | 733.2  | 760.1  | 752.0  | 727.9  | 723.3  | 738.6  | 753.1  | 748.3  | 713.7  |
| 20°   | 716.3  | 735.8  | 743.9  | 708.0  | 666.0  | 661.8  | 691.2  | 732.3  | 753.3  | 728.4  |
| 22.5° | 725.1  | 737.1  | 720.5  | 661.6  | 616.3  | 606.7  | 639.1  | 701.0  | 754.8  | 747.0  |
| 25°   | 737.1  | 740.4  | 694.7  | 617.7  | 572.1  | 562.5  | 592.7  | 666.2  | 752.2  | 767.1  |
| 27.5° | 751.6  | 744.8  | 669.9  | 580.9  | 536.9  | 527.9  | 558.1  | 632.7  | 744.8  | 787.2  |
| 30°   | 770.4  | 750.5  | 645.4  | 552.5  | 511.8  | 505.2  | 534.3  | 603.9  | 735.6  | 812.8  |
| 32.5° | 789.4  | 752.9  | 622.7  | 535.8  | 506.1  | 508.5  | 532.3  | 588.3  | 725.5  | 837.3  |
| 35°   | 810.0  | 760.5  | 611.5  | 552.2  | 553.5  | 574.6  | 584.4  | 602.8  | 724.0  | 870.6  |
| 37.5° | 838.0  | 777.6  | 624.9  | 633.8  | 679.4  | 722.9  | 714.8  | 673.4  | 741.7  | 920.2  |
| 40°   | 878.2  | 807.6  | 683.1  | 772.8  | 866.2  | 936.9  | 906.0  | 801.9  | 796.0  | 991.8  |
| 42.5° | 936.9  | 855.3  | 786.3  | 942.6  | 1101.0 | 1217.4 | 1134.7 | 967.5  | 890.9  | 1094.0 |
| 45°   | 1023.5 | 932.5  | 911.3  | 1121.8 | 1390.4 | 1573.8 | 1401.8 | 1144.1 | 1024.0 | 1248.7 |
| 47.5° | 1143.6 | 1046.1 | 1028.3 | 1310.6 | 1742.3 | 1979.4 | 1698.1 | 1307.7 | 1175.4 | 1459.6 |
| 50°   | 1303.1 | 1199.0 | 1139.3 | 1517.1 | 2128.0 | 2392.9 | 1994.1 | 1465.7 | 1348.9 | 1717.3 |
| 52.5° | 1513.6 | 1412.3 | 1268.6 | 1713.8 | 2524.7 | 2797.7 | 2291.4 | 1604.4 | 1564.2 | 2016.4 |
| 55°   | 1800.7 | 1733.3 | 1445.3 | 1901.5 | 2921.1 | 3204.9 | 2577.2 | 1735.2 | 1848.6 | 2371.7 |
| 57.5° | 2156.9 | 2205.0 | 1700.2 | 2119.2 | 3277.5 | 3624.5 | 2864.2 | 1918.2 | 2217.9 | 2769.0 |
| 60°   | 2386.6 | 2832.3 | 2188.4 | 2441.1 | 3682.5 | 4099.1 | 3257.6 | 2266.0 | 2606.0 | 2911.5 |
| 62.5° | 2331.0 | 3031.8 | 2773.0 | 2852.0 | 4054.9 | 4444.1 | 3643.1 | 2615.5 | 2679.1 | 2701.7 |
| 65°   | 2160.6 | 2870.8 | 2653.7 | 2931.8 | 4149.2 | 4463.6 | 3746.2 | 2570.4 | 2272.6 | 2205.7 |
| 67.5° | 1926.0 | 2679.8 | 2370.4 | 2720.0 | 3978.8 | 4191.4 | 3554.3 | 2273.7 | 1756.3 | 1655.2 |
| 70°   | 1672.9 | 2468.4 | 2184.4 | 2482.4 | 3653.8 | 3717.1 | 3228.1 | 1999.8 | 1291.8 | 1117.8 |
| 72.5° | 1432.7 | 2248.3 | 2057.1 | 2238.9 | 3220.4 | 3089.6 | 2803.4 | 1757.6 | 940.6  | 806.3  |
| 75°   | 1187.0 | 1923.6 | 1875.7 | 1949.7 | 2650.5 | 2433.6 | 2329.3 | 1455.2 | 738.2  | 583.3  |
| 77.5° | 915.9  | 1503.1 | 1613.4 | 1561.3 | 1865.6 | 1807.7 | 1805.5 | 1093.5 | 539.3  | 389.2  |
| 80°   | 626.8  | 1047.6 | 1260.5 | 1101.4 | 1210.8 | 1181.3 | 1359.8 | 733.6  | 391.2  | 234.3  |
| 82.5° | 368.4  | 637.8  | 877.4  | 533.2  | 669.5  | 687.2  | 809.8  | 356.9  | 230.2  | 54.0   |
| 85°   | 149.4  | 251.8  | 343.1  | 208.7  | 322.9  | 272.4  | 307.4  | 100.2  | 64.1   | 1.3    |
| 87.5° | 37.6   | 80.5   | 56.4   | 23.4   | 37.4   | 34.4   | 27.1   | 12.3   | 2.6    | 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 439.8  | 0°    | 439.8  | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 |
| 496.9  | 2.5°  | 488.3  | 483.3 | 470.8 | 458.4 | 448.3 | 434.7 | 425.8 | 415.1 | 404.8 | 395.6 |
| 553.8  | 5°    | 540.0  | 523.4 | 500.6 | 479.8 | 458.6 | 438.0 | 417.7 | 396.2 | 376.5 | 364.5 |
| 601.9  | 7.5°  | 582.0  | 552.7 | 522.5 | 496.0 | 470.4 | 446.3 | 419.4 | 393.4 | 362.5 | 346.1 |
| 638.7  | 10°   | 613.3  | 574.8 | 535.2 | 504.8 | 478.9 | 455.5 | 432.8 | 406.5 | 369.3 | 348.8 |
| 661.0  | 12.5° | 633.8  | 588.1 | 541.7 | 506.9 | 478.1 | 459.9 | 449.8 | 439.6 | 402.6 | 378.5 |
| 677.4  | 15°   | 648.1  | 597.5 | 546.3 | 501.9 | 466.5 | 453.1 | 463.2 | 475.0 | 451.4 | 423.6 |
| 694.4  | 17.5° | 663.6  | 609.8 | 548.3 | 488.3 | 443.9 | 438.2 | 464.3 | 491.6 | 490.5 | 463.0 |
| 710.6  | 20°   | 680.0  | 620.5 | 547.0 | 466.5 | 416.6 | 421.6 | 454.9 | 486.6 | 499.9 | 485.1 |
| 729.2  | 22.5° | 696.9  | 630.8 | 542.0 | 438.0 | 391.0 | 406.7 | 440.0 | 467.8 | 483.5 | 478.9 |
| 752.0  | 25°   | 718.1  | 645.2 | 534.5 | 407.4 | 369.8 | 391.6 | 422.7 | 445.2 | 456.2 | 456.0 |
| 776.5  | 27.5° | 743.5  | 664.5 | 530.6 | 382.7 | 354.7 | 374.6 | 402.1 | 422.3 | 429.9 | 429.9 |
| 806.9  | 30°   | 773.0  | 687.2 | 526.2 | 366.5 | 345.9 | 356.9 | 378.3 | 398.0 | 405.6 | 405.6 |
| 840.2  | 32.5° | 805.8  | 709.1 | 515.7 | 356.6 | 339.3 | 339.6 | 353.1 | 371.1 | 380.3 | 381.6 |
| 881.7  | 35°   | 845.2  | 732.5 | 492.7 | 348.8 | 331.7 | 322.7 | 329.3 | 344.2 | 355.1 | 357.9 |
| 941.0  | 37.5° | 896.8  | 761.2 | 459.9 | 337.2 | 319.9 | 305.0 | 306.5 | 317.9 | 329.9 | 334.3 |
| 1022.9 | 40°   | 966.2  | 794.9 | 425.8 | 320.5 | 303.2 | 285.5 | 284.9 | 293.2 | 305.0 | 309.8 |
| 1133.6 | 42.5° | 1057.9 | 835.4 | 393.2 | 304.6 | 283.1 | 265.0 | 263.9 | 270.4 | 280.7 | 285.7 |
| 1279.7 | 45°   | 1175.1 | 885.0 | 365.2 | 292.1 | 263.4 | 245.5 | 245.0 | 250.5 | 259.5 | 264.7 |
| 1466.8 | 47.5° | 1338.1 | 934.7 | 346.1 | 285.5 | 247.9 | 229.5 | 230.4 | 235.2 | 243.3 | 247.0 |
| 1709.0 | 50°   | 1550.6 | 949.8 | 336.5 | 285.5 | 239.6 | 215.3 | 219.7 | 223.6 | 229.7 | 231.9 |
| 1999.3 | 52.5° | 1754.5 | 899.9 | 327.8 | 287.3 | 240.7 | 203.3 | 212.7 | 215.5 | 220.8 | 221.6 |
| 2268.4 | 55°   | 1854.5 | 773.7 | 315.7 | 287.7 | 247.5 | 193.0 | 207.0 | 212.2 | 214.2 | 214.0 |
| 2424.7 | 57.5° | 1820.1 | 625.5 | 295.4 | 286.0 | 252.0 | 186.4 | 200.0 | 210.0 | 211.4 | 209.4 |
| 2394.9 | 60°   | 1699.6 | 460.6 | 279.8 | 273.1 | 250.3 | 184.4 | 189.3 | 205.2 | 207.2 | 204.6 |
| 2165.6 | 62.5° | 1497.4 | 319.7 | 267.8 | 244.6 | 242.6 | 183.8 | 172.4 | 194.7 | 199.5 | 195.8 |
| 1740.7 | 65°   | 1178.9 | 225.8 | 230.6 | 214.4 | 226.0 | 180.3 | 154.9 | 182.0 | 188.6 | 182.9 |
| 1262.9 | 67.5° | 797.7  | 163.0 | 186.8 | 194.3 | 199.1 | 172.4 | 142.2 | 167.6 | 176.3 | 168.9 |
| 810.4  | 70°   | 430.8  | 114.4 | 123.4 | 163.7 | 169.1 | 158.8 | 130.8 | 152.9 | 163.0 | 154.9 |
| 576.1  | 72.5° | 254.5  | 82.3  | 86.4  | 131.5 | 140.9 | 139.8 | 118.1 | 135.9 | 148.1 | 138.5 |
| 397.5  | 75°   | 140.2  | 55.6  | 61.7  | 95.4  | 114.4 | 107.9 | 101.5 | 115.1 | 127.6 | 118.1 |
| 249.2  | 77.5° | 62.8   | 33.3  | 42.9  | 62.6  | 89.9  | 74.0  | 78.5  | 89.7  | 101.3 | 91.5  |
| 138.7  | 80°   | 24.3   | 18.6  | 28.4  | 34.1  | 65.4  | 40.9  | 50.5  | 66.1  | 74.4  | 66.5  |
| 30.2   | 82.5° | 3.1    | 8.3   | 12.3  | 13.3  | 38.1  | 21.7  | 29.3  | 41.6  | 40.9  | 35.4  |
| 0.0    | 85°   | 0.0    | 1.5   | 1.8   | 0.9   | 16.4  | 7.9   | 9.6   | 13.6  | 12.7  | 9.6   |
| 0.0    | 87.5° | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 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°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 439.8 | 0°    | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 |
| 393.8 | 2.5°  | 383.1 | 375.2 | 371.3 | 368.0 | 371.1 | 372.8 | 372.8 | 380.3 | 384.6 | 386.4 |
| 356.9 | 5°    | 337.6 | 322.9 | 313.1 | 307.2 | 309.2 | 311.3 | 313.7 | 323.2 | 329.5 | 333.7 |
| 331.3 | 7.5°  | 301.7 | 279.4 | 265.6 | 258.4 | 259.5 | 261.0 | 263.0 | 272.2 | 278.5 | 284.0 |
| 326.4 | 10°   | 284.0 | 252.5 | 234.3 | 225.6 | 224.0 | 223.2 | 222.5 | 228.0 | 232.8 | 237.2 |
| 346.1 | 12.5° | 284.9 | 240.9 | 218.8 | 208.1 | 203.5 | 198.2 | 194.1 | 194.9 | 198.0 | 203.5 |
| 381.4 | 15°   | 296.0 | 237.2 | 210.7 | 197.4 | 189.7 | 183.6 | 178.5 | 177.4 | 178.5 | 179.4 |
| 421.6 | 17.5° | 311.1 | 236.7 | 203.7 | 187.1 | 179.2 | 174.2 | 169.6 | 168.0 | 168.3 | 169.3 |
| 448.3 | 20°   | 323.2 | 235.4 | 195.8 | 177.2 | 170.2 | 165.8 | 161.3 | 159.7 | 160.2 | 160.4 |
| 450.9 | 22.5° | 329.5 | 233.5 | 187.1 | 167.4 | 161.5 | 157.1 | 152.9 | 152.7 | 152.7 | 154.0 |
| 436.7 | 25°   | 329.5 | 229.3 | 179.2 | 158.0 | 152.7 | 148.8 | 143.7 | 144.6 | 145.1 | 146.8 |
| 414.6 | 27.5° | 321.6 | 221.4 | 172.8 | 149.9 | 144.4 | 140.5 | 135.9 | 137.0 | 137.6 | 139.6 |
| 392.7 | 30°   | 311.6 | 212.0 | 165.6 | 142.2 | 135.9 | 133.0 | 129.1 | 129.5 | 130.4 | 132.6 |
| 372.4 | 32.5° | 300.8 | 200.9 | 159.7 | 134.6 | 128.2 | 126.0 | 121.6 | 122.3 | 123.2 | 125.6 |
| 352.3 | 35°   | 289.0 | 187.7 | 152.7 | 127.6 | 121.2 | 119.5 | 114.4 | 114.9 | 116.2 | 118.8 |
| 330.6 | 37.5° | 276.6 | 177.0 | 145.7 | 120.8 | 114.2 | 112.5 | 107.2 | 107.6 | 109.2 | 112.2 |
| 307.8 | 40°   | 264.3 | 166.5 | 138.3 | 113.6 | 107.0 | 105.5 | 99.8  | 100.2 | 102.0 | 105.2 |
| 284.9 | 42.5° | 251.0 | 158.4 | 128.7 | 106.1 | 99.1  | 97.6  | 92.3  | 93.0  | 95.0  | 98.2  |
| 263.6 | 45°   | 235.0 | 153.2 | 117.9 | 99.1  | 91.2  | 89.7  | 84.9  | 86.2  | 88.4  | 91.7  |
| 245.5 | 47.5° | 218.6 | 151.0 | 109.0 | 91.7  | 83.1  | 81.8  | 77.9  | 80.1  | 82.5  | 85.1  |
| 230.0 | 50°   | 202.8 | 148.1 | 99.8  | 84.7  | 76.1  | 74.8  | 72.2  | 75.0  | 77.5  | 79.9  |
| 218.8 | 52.5° | 184.9 | 142.0 | 91.5  | 78.5  | 70.2  | 69.8  | 68.5  | 71.1  | 73.3  | 75.5  |
| 209.2 | 55°   | 166.3 | 132.2 | 84.2  | 73.1  | 65.2  | 65.6  | 65.0  | 67.2  | 68.9  | 70.9  |
| 200.4 | 57.5° | 150.1 | 119.7 | 78.5  | 67.2  | 60.8  | 62.1  | 61.3  | 62.4  | 63.5  | 65.9  |
| 189.9 | 60°   | 133.7 | 104.8 | 72.2  | 60.2  | 56.4  | 58.0  | 55.6  | 55.4  | 55.8  | 56.4  |
| 174.4 | 62.5° | 111.6 | 89.3  | 64.3  | 54.0  | 51.6  | 52.3  | 47.7  | 44.2  | 44.2  | 44.9  |
| 152.7 | 65°   | 89.7  | 74.8  | 55.6  | 47.0  | 45.1  | 44.6  | 38.1  | 33.3  | 32.8  | 34.8  |
| 127.6 | 67.5° | 73.7  | 62.1  | 46.8  | 39.2  | 37.9  | 38.3  | 33.5  | 28.7  | 28.2  | 30.4  |
| 103.9 | 70°   | 61.0  | 50.1  | 37.4  | 30.2  | 31.5  | 33.5  | 28.7  | 24.1  | 23.4  | 25.4  |
| 84.5  | 72.5° | 48.6  | 39.2  | 28.7  | 22.3  | 26.0  | 28.4  | 23.4  | 19.0  | 18.6  | 20.3  |
| 65.2  | 75°   | 35.7  | 28.0  | 19.5  | 16.2  | 20.1  | 22.3  | 17.1  | 13.6  | 12.9  | 14.4  |
| 43.5  | 77.5° | 22.1  | 15.8  | 12.3  | 9.6   | 13.8  | 14.9  | 9.0   | 7.9   | 7.7   | 8.8   |
| 26.5  | 80°   | 10.3  | 6.8   | 5.9   | 3.3   | 5.0   | 5.9   | 3.7   | 4.2   | 4.4   | 5.3   |
| 13.3  | 82.5° | 2.8   | 1.1   | 0.2   | 0.0   | 0.0   | 1.8   | 0.9   | 1.8   | 2.2   | 3.3   |
| 1.1   | 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 1.1   | 2.0   |
| 0.0   | 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9   |
| 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°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 439.8 | 0°    | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8 | 439.8  | 439.8  |
| 398.6 | 2.5°  | 407.8 | 416.6 | 430.6 | 445.0 | 459.2 | 473.7 | 487.7  | 492.7  |
| 352.7 | 5°    | 370.0 | 390.1 | 417.9 | 447.7 | 478.3 | 509.4 | 537.8  | 550.7  |
| 305.2 | 7.5°  | 327.8 | 356.6 | 398.4 | 445.0 | 493.8 | 542.6 | 587.5  | 608.2  |
| 258.2 | 10°   | 282.7 | 319.2 | 366.9 | 429.9 | 499.9 | 567.3 | 629.0  | 655.9  |
| 216.8 | 12.5° | 239.8 | 278.1 | 330.8 | 406.3 | 495.1 | 581.6 | 655.7  | 687.4  |
| 187.7 | 15°   | 203.9 | 237.8 | 294.7 | 378.3 | 479.6 | 582.4 | 668.4  | 703.2  |
| 171.5 | 17.5° | 177.0 | 199.1 | 258.0 | 347.2 | 459.2 | 574.3 | 672.8  | 710.0  |
| 162.8 | 20°   | 163.7 | 169.8 | 210.3 | 307.4 | 440.2 | 566.7 | 677.2  | 716.3  |
| 155.8 | 22.5° | 155.8 | 157.3 | 172.0 | 256.0 | 417.5 | 564.3 | 684.8  | 725.1  |
| 149.4 | 25°   | 149.4 | 149.9 | 153.8 | 202.8 | 382.7 | 562.7 | 696.6  | 737.1  |
| 142.9 | 27.5° | 143.1 | 143.1 | 145.3 | 163.4 | 335.4 | 556.2 | 712.0  | 751.6  |
| 136.3 | 30°   | 136.7 | 136.7 | 138.3 | 144.6 | 280.1 | 543.3 | 730.3  | 770.4  |
| 129.7 | 32.5° | 130.2 | 130.2 | 131.5 | 136.1 | 223.6 | 527.1 | 747.2  | 789.4  |
| 123.0 | 35°   | 123.6 | 123.2 | 124.9 | 129.7 | 177.9 | 506.5 | 764.0  | 810.0  |
| 116.2 | 37.5° | 116.6 | 116.4 | 118.1 | 123.6 | 153.6 | 482.7 | 776.7  | 838.0  |
| 109.4 | 40°   | 109.2 | 109.2 | 111.1 | 117.1 | 146.6 | 452.7 | 796.8  | 878.2  |
| 102.4 | 42.5° | 102.4 | 102.0 | 104.1 | 111.4 | 141.3 | 424.0 | 832.9  | 936.9  |
| 96.1  | 45°   | 95.8  | 95.0  | 96.9  | 105.9 | 132.2 | 414.0 | 900.3  | 1023.5 |
| 89.9  | 47.5° | 89.7  | 87.5  | 89.3  | 99.3  | 123.8 | 451.6 | 1010.6 | 1143.6 |
| 84.5  | 50°   | 84.7  | 80.5  | 82.0  | 92.8  | 117.5 | 533.2 | 1153.7 | 1303.1 |
| 79.4  | 52.5° | 79.4  | 74.0  | 74.8  | 84.7  | 111.8 | 610.9 | 1308.8 | 1513.6 |
| 74.4  | 55°   | 74.0  | 67.8  | 68.3  | 76.6  | 103.7 | 622.5 | 1460.2 | 1800.7 |
| 68.7  | 57.5° | 67.8  | 62.1  | 62.1  | 69.1  | 97.8  | 539.5 | 1576.6 | 2156.9 |
| 61.7  | 60°   | 61.0  | 57.3  | 56.2  | 63.2  | 103.1 | 380.7 | 1590.2 | 2386.6 |
| 52.7  | 62.5° | 53.6  | 51.6  | 50.1  | 57.5  | 107.0 | 225.6 | 1481.0 | 2331.0 |
| 41.6  | 65°   | 45.1  | 44.6  | 43.5  | 63.2  | 90.1  | 133.2 | 1271.4 | 2160.6 |
| 35.4  | 67.5° | 37.9  | 37.2  | 37.2  | 66.3  | 68.5  | 83.8  | 993.3  | 1926.0 |
| 30.2  | 70°   | 32.6  | 30.2  | 30.2  | 50.1  | 41.6  | 58.0  | 693.6  | 1672.9 |
| 24.9  | 72.5° | 27.3  | 24.7  | 23.0  | 40.0  | 31.1  | 42.4  | 433.4  | 1432.7 |
| 19.0  | 75°   | 21.9  | 19.9  | 17.7  | 26.5  | 23.2  | 32.2  | 251.8  | 1187.0 |
| 12.0  | 77.5° | 15.8  | 14.9  | 12.5  | 19.5  | 16.8  | 23.2  | 149.9  | 915.9  |
| 7.4   | 80°   | 8.1   | 8.3   | 7.9   | 11.2  | 11.4  | 15.8  | 85.3   | 626.8  |
| 4.8   | 82.5° | 4.8   | 3.7   | 4.2   | 5.5   | 6.6   | 9.0   | 32.2   | 368.4  |
| 3.5   | 85°   | 3.1   | 2.0   | 2.0   | 2.6   | 3.3   | 3.5   | 9.8    | 149.4  |
| 1.8   | 87.5° | 1.5   | 0.7   | 0.9   | 1.3   | 1.1   | 0.9   | 0.4    | 37.6   |
| 0.0   | 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    |

(END OF REPORT)