

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: INVUE

Report Number: P139458

Luminaire Tested: **ENC-E01-LED-E1-BL2-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139458  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33644)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-E01-LED-E1-BL2-8030  
Description: ENTRI LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2310.9 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.17' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

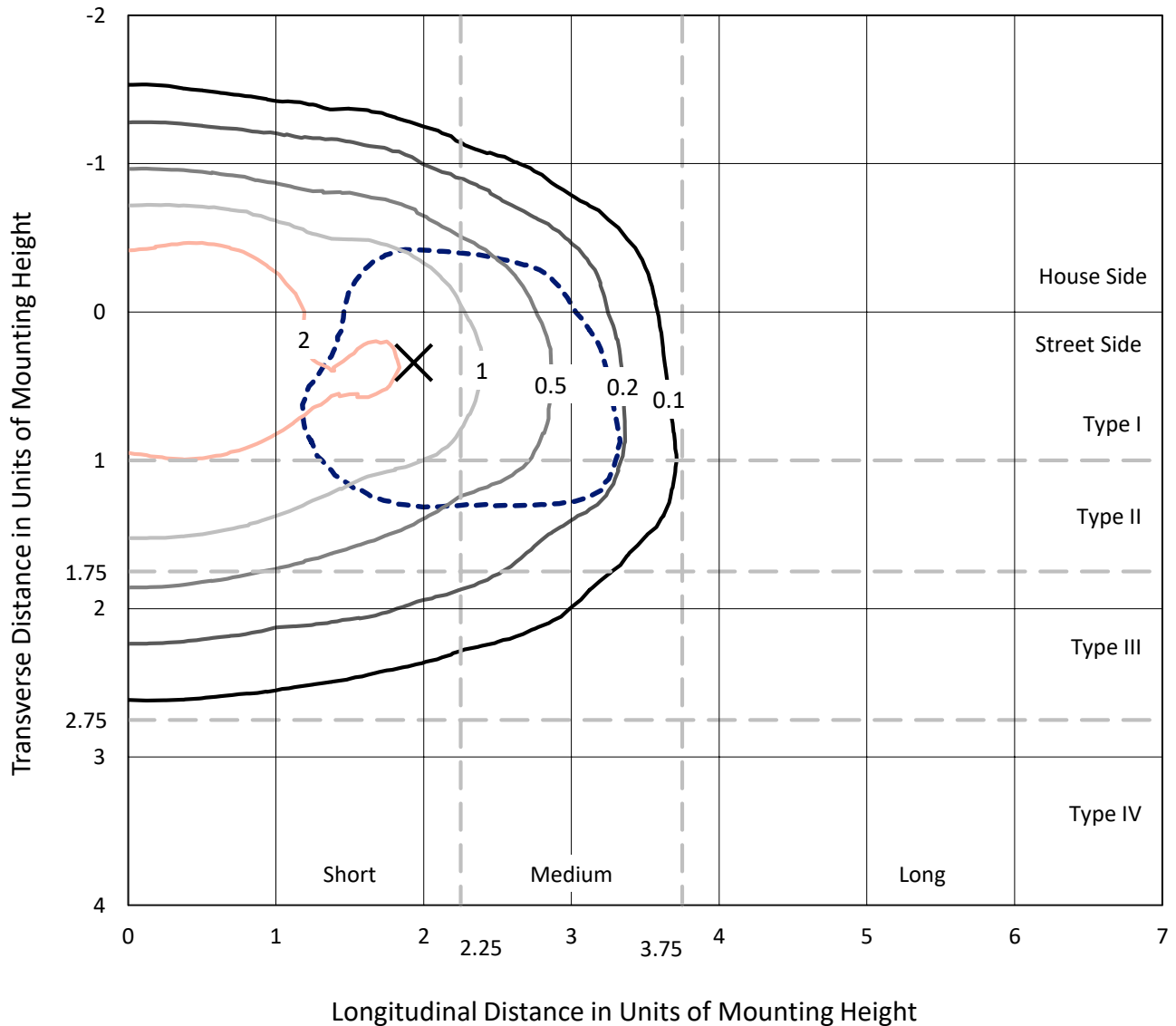
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

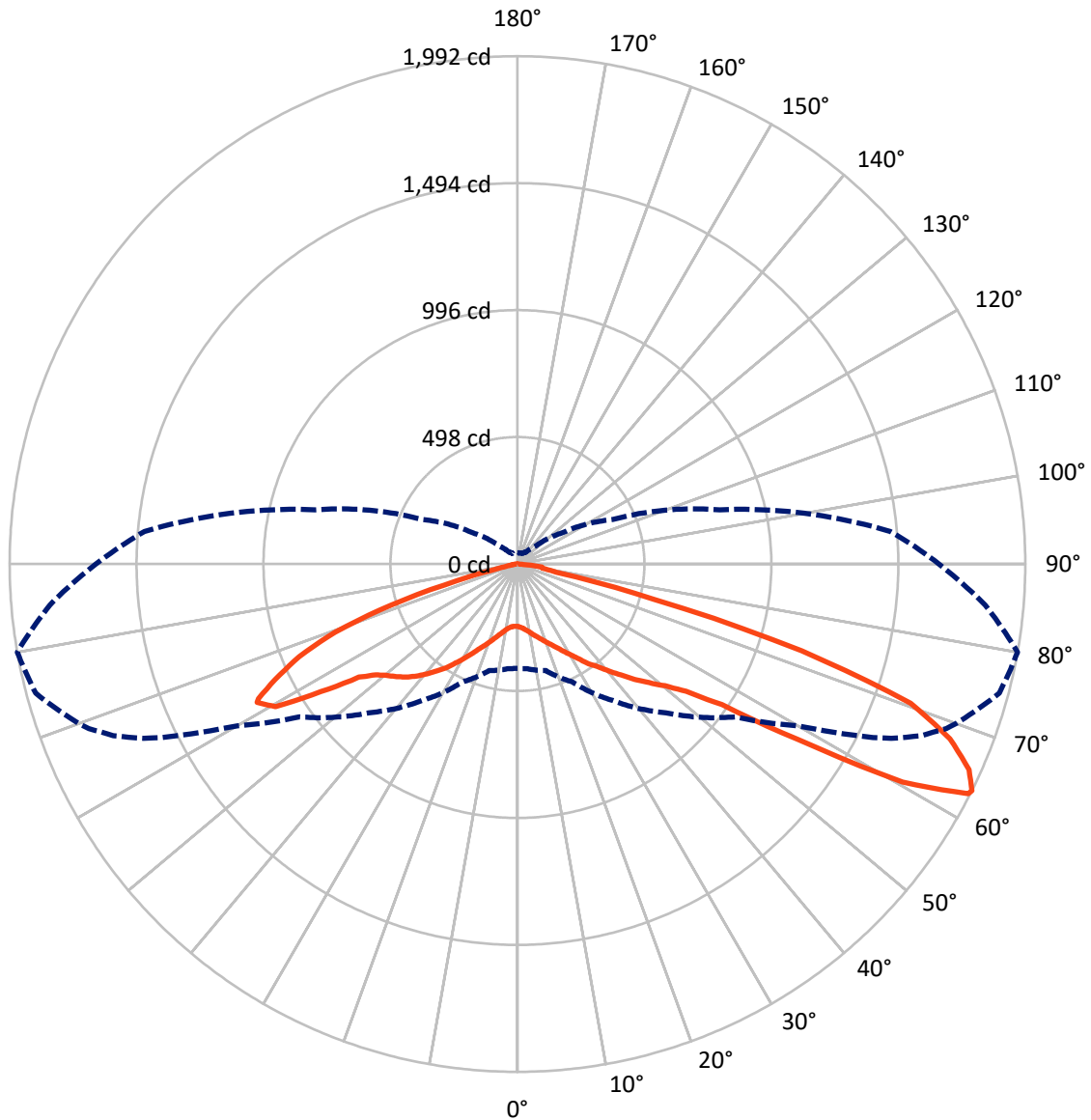
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 719.7    | 0.0    | 719.7  |
|                    | % Fixture | 31.1     | 0.0    | 31.1   |
| <b>Street Side</b> | Lumens    | 1591.2   | 0.0    | 1591.2 |
|                    | % Fixture | 68.9     | 0.0    | 68.9   |
| <b>Total</b>       | Lumens    | 2310.9   | 0.0    | 2310.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.5   | 1.1       |
| 10°-20°   | 84.1   | 3.6       |
| 20°-30°   | 158.1  | 6.8       |
| 30°-40°   | 250.9  | 10.9      |
| 40°-50°   | 378.7  | 16.4      |
| 50°-60°   | 532.4  | 23.0      |
| 60°-70°   | 621.1  | 26.9      |
| 70°-80°   | 240.1  | 10.4      |
| 80°-90°   | 20.9   | 0.9       |
| 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°    | 2310.9 | 100.0     |
| 0°-180°   | 2310.9 | 100.0     |



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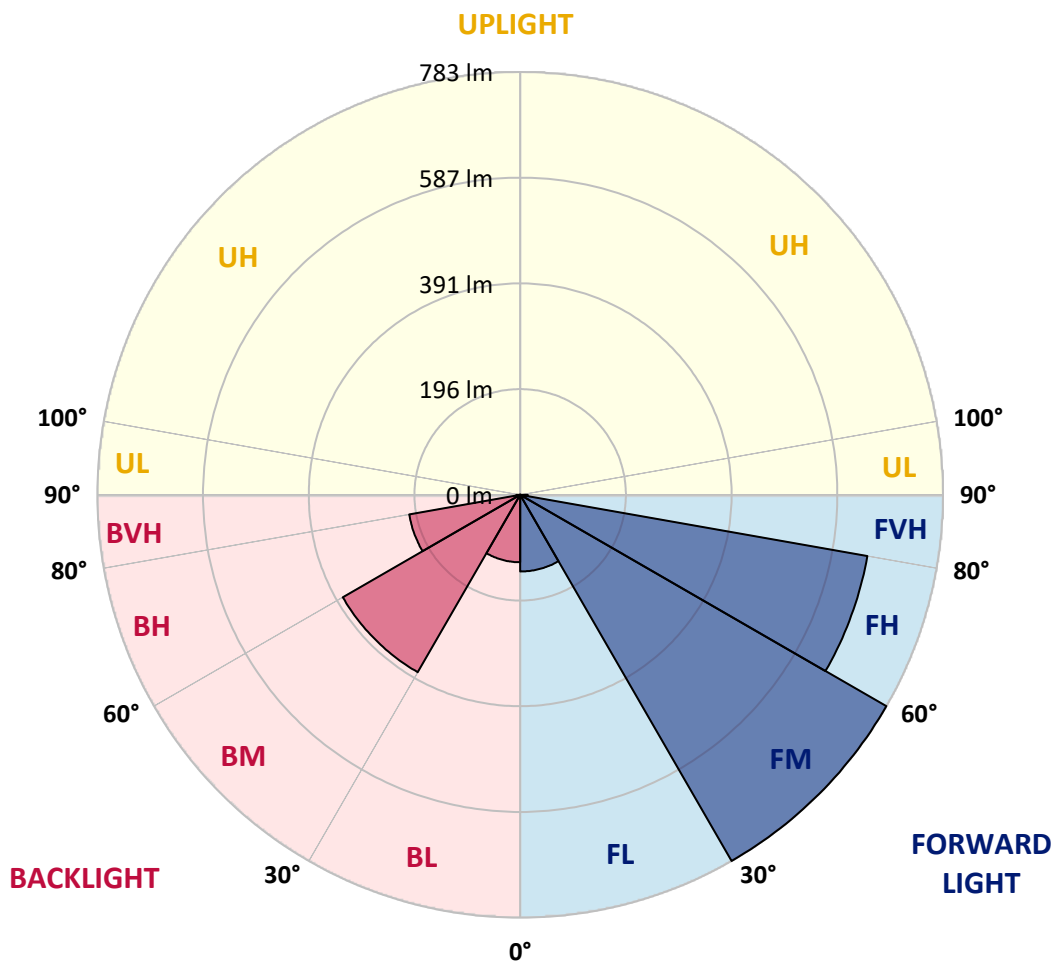
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 141.9  | 6.1       |                         |      |        |
| FM (30°-60°)   | 782.8  | 33.9      |                         |      |        |
| FH (60°-80°)   | 652.6  | 28.2      |                         |      | G0/660 |
| FVH (80°-90°)  | 13.9   | 0.6       |                         |      | G1/100 |
| BL (0°-30°)    | 124.8  | 5.4       | B1/500                  |      |        |
| BM (30°-60°)   | 379.3  | 16.4      | B1/1000                 |      |        |
| BH (60°-80°)   | 208.6  | 9.0       | B1/500                  |      | G1/500 |
| BVH (80°-90°)  | 7.0    | 0.3       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°    | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  |
| 2.5°  | 257.0 | 256.2 | 256.6 | 256.2 | 256.2 | 255.3 | 252.8  | 252.8  | 252.4  | 252.8  | 251.9  |
| 5°    | 270.9 | 270.5 | 270.1 | 269.2 | 269.2 | 267.5 | 263.3  | 262.5  | 262.9  | 262.1  | 260.4  |
| 7.5°  | 286.5 | 286.1 | 285.3 | 283.6 | 282.7 | 280.2 | 274.3  | 273.5  | 273.0  | 272.2  | 270.9  |
| 10°   | 302.1 | 301.7 | 300.5 | 298.4 | 296.2 | 292.4 | 286.5  | 284.4  | 284.0  | 283.6  | 282.3  |
| 12.5° | 318.2 | 316.9 | 317.3 | 313.5 | 310.2 | 305.5 | 298.8  | 296.7  | 296.2  | 295.8  | 295.4  |
| 15°   | 335.9 | 335.5 | 334.6 | 329.6 | 323.2 | 316.9 | 310.2  | 307.6  | 305.9  | 306.4  | 305.9  |
| 17.5° | 352.8 | 352.4 | 349.4 | 342.2 | 333.8 | 326.6 | 318.2  | 316.5  | 316.5  | 316.1  | 316.1  |
| 20°   | 365.0 | 364.6 | 361.7 | 352.8 | 341.8 | 333.8 | 327.0  | 327.0  | 326.6  | 327.0  | 327.5  |
| 22.5° | 370.5 | 370.5 | 366.7 | 357.0 | 345.2 | 339.3 | 337.2  | 338.4  | 338.9  | 339.3  | 340.1  |
| 25°   | 372.6 | 372.6 | 368.8 | 357.4 | 346.5 | 347.3 | 349.8  | 351.9  | 352.8  | 352.8  | 355.7  |
| 27.5° | 376.4 | 376.8 | 371.8 | 359.5 | 350.7 | 358.7 | 365.0  | 368.0  | 369.2  | 370.1  | 373.9  |
| 30°   | 387.8 | 387.4 | 383.2 | 370.1 | 363.3 | 374.7 | 386.1  | 389.1  | 392.0  | 392.0  | 396.3  |
| 32.5° | 404.7 | 404.3 | 401.7 | 391.6 | 388.7 | 403.0 | 413.1  | 419.5  | 419.0  | 419.9  | 422.8  |
| 35°   | 427.1 | 427.5 | 429.2 | 426.6 | 429.2 | 443.5 | 454.9  | 457.4  | 457.9  | 458.3  | 458.7  |
| 37.5° | 452.4 | 452.8 | 462.1 | 470.1 | 481.5 | 502.6 | 509.3  | 510.6  | 507.7  | 507.7  | 506.8  |
| 40°   | 471.4 | 473.5 | 494.2 | 515.3 | 539.3 | 568.0 | 578.1  | 575.6  | 573.5  | 571.8  | 566.7  |
| 42.5° | 510.2 | 511.5 | 533.4 | 563.8 | 597.5 | 637.2 | 654.9  | 646.5  | 646.1  | 638.5  | 634.7  |
| 45°   | 549.0 | 552.4 | 576.0 | 610.2 | 650.7 | 705.6 | 731.7  | 724.6  | 723.3  | 719.9  | 709.4  |
| 47.5° | 579.8 | 584.5 | 610.6 | 651.1 | 697.6 | 760.9 | 807.7  | 812.8  | 809.8  | 806.0  | 797.6  |
| 50°   | 606.0 | 609.8 | 636.4 | 680.7 | 733.9 | 803.1 | 870.2  | 888.3  | 890.8  | 889.1  | 887.0  |
| 52.5° | 622.9 | 626.7 | 652.8 | 700.1 | 754.9 | 834.3 | 916.6  | 952.4  | 960.0  | 959.6  | 968.5  |
| 55°   | 623.3 | 627.5 | 654.5 | 706.4 | 766.8 | 855.8 | 959.6  | 1016.2 | 1025.4 | 1036.8 | 1055.8 |
| 57.5° | 600.1 | 604.3 | 638.1 | 698.0 | 770.1 | 872.7 | 1001.4 | 1101.0 | 1126.3 | 1148.7 | 1201.0 |
| 60°   | 535.5 | 537.2 | 574.3 | 654.5 | 754.1 | 868.9 | 1033.0 | 1174.0 | 1209.9 | 1258.4 | 1342.8 |
| 62.5° | 436.3 | 439.7 | 462.5 | 540.6 | 679.4 | 835.6 | 1045.7 | 1255.4 | 1314.5 | 1385.4 | 1520.4 |
| 63°   | 408.9 | 411.9 | 433.0 | 510.2 | 654.1 | 825.0 | 1045.3 | 1268.5 | 1333.5 | 1406.5 | 1552.1 |
| 65°   | 315.7 | 316.5 | 332.1 | 390.3 | 536.8 | 748.2 | 1022.5 | 1250.0 | 1332.2 | 1417.5 | 1570.2 |
| 67.5° | 254.5 | 257.4 | 273.0 | 314.0 | 424.1 | 628.4 | 920.4  | 1082.8 | 1139.0 | 1222.9 | 1404.8 |
| 70°   | 199.2 | 204.2 | 219.0 | 265.4 | 361.7 | 506.0 | 774.4  | 903.9  | 938.5  | 978.6  | 1133.1 |
| 72.5° | 131.7 | 132.9 | 135.5 | 161.2 | 252.4 | 393.7 | 644.4  | 732.6  | 746.1  | 774.8  | 850.3  |
| 75°   | 62.0  | 66.7  | 70.5  | 83.6  | 122.0 | 257.8 | 467.1  | 520.3  | 536.4  | 566.3  | 593.7  |
| 77.5° | 27.0  | 26.6  | 28.3  | 38.4  | 64.1  | 114.8 | 290.8  | 384.4  | 389.9  | 383.2  | 371.4  |
| 80°   | 8.4   | 8.9   | 9.3   | 10.1  | 20.3  | 54.9  | 125.8  | 258.3  | 285.3  | 303.4  | 298.4  |
| 82.5° | 0.8   | 0.4   | 1.3   | 2.5   | 4.2   | 8.0   | 47.3   | 121.1  | 152.3  | 186.9  | 231.3  |
| 85°   | 0.0   | 0.0   | 0.4   | 0.4   | 0.8   | 1.7   | 3.0    | 12.7   | 21.1   | 24.5   | 48.5   |
| 87.5° | 0.0   | 0.0   | 0.4   | 0.4   | 0.8   | 1.3   | 1.3    | 1.7    | 1.7    | 1.7    | 1.7    |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  | 244.8  |
| 2.5°  | 251.5  | 251.5  | 250.7  | 251.1  | 250.7  | 250.7  | 249.8  | 249.0  | 248.6  | 246.4  | 245.2  |
| 5°    | 260.4  | 260.4  | 259.9  | 259.1  | 259.1  | 258.7  | 256.6  | 254.5  | 253.2  | 250.7  | 248.1  |
| 7.5°  | 270.5  | 270.1  | 269.2  | 268.4  | 268.4  | 268.0  | 265.0  | 262.9  | 260.4  | 256.6  | 253.6  |
| 10°   | 282.3  | 281.9  | 281.0  | 279.8  | 279.8  | 279.4  | 276.4  | 273.0  | 270.9  | 266.3  | 262.5  |
| 12.5° | 295.0  | 293.7  | 293.3  | 292.4  | 291.6  | 291.6  | 289.1  | 285.7  | 284.0  | 278.9  | 275.1  |
| 15°   | 305.5  | 304.7  | 304.3  | 303.8  | 303.4  | 302.6  | 300.5  | 297.5  | 296.2  | 292.0  | 289.1  |
| 17.5° | 315.7  | 315.7  | 316.1  | 315.2  | 314.8  | 314.0  | 312.7  | 311.9  | 310.6  | 306.8  | 305.1  |
| 20°   | 327.5  | 327.5  | 328.3  | 327.9  | 327.5  | 328.7  | 328.3  | 327.9  | 327.9  | 324.5  | 323.2  |
| 22.5° | 341.4  | 341.0  | 342.2  | 341.8  | 342.2  | 343.5  | 345.2  | 344.3  | 346.0  | 343.9  | 343.1  |
| 25°   | 357.4  | 357.0  | 358.3  | 359.1  | 360.0  | 360.8  | 364.2  | 365.0  | 367.1  | 366.7  | 365.0  |
| 27.5° | 375.6  | 376.0  | 376.4  | 378.5  | 379.8  | 380.6  | 385.3  | 387.8  | 392.0  | 390.3  | 392.0  |
| 30°   | 396.7  | 398.8  | 400.5  | 402.6  | 403.0  | 403.8  | 411.4  | 414.0  | 416.1  | 417.4  | 419.9  |
| 32.5° | 425.8  | 427.1  | 427.5  | 430.0  | 430.9  | 432.1  | 440.1  | 443.5  | 446.5  | 446.9  | 451.5  |
| 35°   | 461.2  | 462.1  | 463.4  | 464.6  | 466.3  | 465.5  | 474.7  | 479.8  | 483.6  | 484.0  | 489.1  |
| 37.5° | 508.1  | 505.1  | 506.4  | 504.7  | 502.2  | 502.2  | 505.1  | 510.2  | 514.4  | 517.8  | 522.9  |
| 40°   | 564.2  | 562.1  | 561.7  | 557.9  | 553.7  | 549.9  | 548.2  | 551.1  | 554.5  | 557.5  | 563.8  |
| 42.5° | 628.4  | 626.2  | 619.1  | 616.5  | 609.4  | 605.1  | 593.7  | 595.0  | 600.9  | 602.6  | 606.4  |
| 45°   | 703.5  | 695.9  | 693.3  | 677.7  | 674.8  | 668.9  | 647.3  | 645.7  | 650.7  | 651.1  | 648.6  |
| 47.5° | 789.1  | 783.6  | 777.7  | 766.8  | 755.4  | 745.7  | 712.8  | 695.4  | 700.9  | 700.5  | 688.3  |
| 50°   | 882.4  | 881.5  | 872.7  | 865.5  | 855.4  | 841.5  | 782.8  | 751.2  | 755.4  | 751.6  | 729.2  |
| 52.5° | 971.4  | 968.9  | 968.5  | 963.0  | 959.2  | 954.6  | 883.2  | 828.8  | 819.1  | 811.1  | 782.4  |
| 55°   | 1065.1 | 1071.4 | 1067.2 | 1076.1 | 1082.8 | 1082.0 | 1052.5 | 972.7  | 923.3  | 917.0  | 873.1  |
| 57.5° | 1221.3 | 1236.4 | 1256.7 | 1257.5 | 1275.7 | 1301.9 | 1355.0 | 1297.6 | 1174.0 | 1149.5 | 1090.9 |
| 60°   | 1400.2 | 1439.4 | 1490.1 | 1515.0 | 1553.8 | 1594.3 | 1727.6 | 1736.5 | 1563.5 | 1469.0 | 1361.4 |
| 62.5° | 1580.0 | 1631.4 | 1691.4 | 1730.2 | 1778.3 | 1809.9 | 1950.9 | 1984.6 | 1826.8 | 1652.5 | 1475.3 |
| 63°   | 1617.9 | 1670.7 | 1722.6 | 1760.6 | 1801.1 | 1830.2 | 1956.8 | 1992.2 | 1841.2 | 1653.0 | 1468.1 |
| 65°   | 1637.8 | 1687.1 | 1727.6 | 1761.4 | 1788.4 | 1808.3 | 1908.3 | 1946.7 | 1822.2 | 1591.8 | 1387.5 |
| 67.5° | 1487.1 | 1566.4 | 1617.5 | 1658.4 | 1685.9 | 1713.3 | 1805.3 | 1829.4 | 1741.2 | 1472.8 | 1265.1 |
| 70°   | 1231.0 | 1322.5 | 1403.1 | 1466.9 | 1514.1 | 1555.9 | 1652.5 | 1636.1 | 1560.1 | 1279.9 | 1073.1 |
| 72.5° | 905.6  | 985.4  | 1063.9 | 1136.0 | 1197.6 | 1250.8 | 1314.5 | 1165.6 | 1049.9 | 851.2  | 742.7  |
| 75°   | 608.9  | 626.2  | 662.1  | 698.0  | 720.3  | 735.5  | 696.3  | 554.9  | 450.7  | 404.3  | 353.6  |
| 77.5° | 359.5  | 347.7  | 349.0  | 340.1  | 334.2  | 333.0  | 279.4  | 155.3  | 81.9   | 83.6   | 87.8   |
| 80°   | 287.0  | 273.9  | 259.9  | 244.3  | 234.2  | 223.2  | 181.9  | 99.6   | 35.4   | 28.7   | 30.0   |
| 82.5° | 232.1  | 228.7  | 221.1  | 205.1  | 189.1  | 170.1  | 130.0  | 95.8   | 20.3   | 16.0   | 17.3   |
| 85°   | 45.2   | 50.6   | 45.6   | 49.8   | 37.1   | 35.0   | 20.7   | 22.4   | 8.0    | 7.2    | 8.9    |
| 87.5° | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    | 3.4    |
| 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):**

|       | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 | 244.8 |
| 2.5°  | 243.1 | 241.4 | 240.1 | 238.4 | 237.6 | 236.3 | 235.9 | 234.6 | 235.1 |
| 5°    | 243.9 | 241.0 | 238.4 | 235.9 | 234.2 | 233.4 | 232.5 | 231.7 | 231.7 |
| 7.5°  | 248.1 | 244.3 | 241.4 | 238.4 | 237.2 | 235.5 | 235.1 | 233.8 | 233.8 |
| 10°   | 257.0 | 252.8 | 249.0 | 245.6 | 243.9 | 241.8 | 241.0 | 239.7 | 239.7 |
| 12.5° | 270.1 | 266.3 | 262.1 | 257.0 | 253.6 | 251.1 | 249.0 | 248.1 | 248.1 |
| 15°   | 284.8 | 281.9 | 278.5 | 271.8 | 266.3 | 261.6 | 257.4 | 255.7 | 255.3 |
| 17.5° | 302.6 | 300.0 | 296.7 | 289.1 | 280.2 | 270.5 | 263.3 | 259.9 | 259.5 |
| 20°   | 324.1 | 321.6 | 316.5 | 305.9 | 292.0 | 276.8 | 265.4 | 260.4 | 259.9 |
| 22.5° | 346.0 | 346.0 | 337.6 | 320.3 | 299.6 | 279.4 | 264.2 | 257.4 | 256.2 |
| 25°   | 370.1 | 371.4 | 358.7 | 331.7 | 303.8 | 278.1 | 258.7 | 250.2 | 248.6 |
| 27.5° | 399.2 | 397.9 | 376.8 | 340.6 | 304.3 | 273.0 | 249.8 | 239.7 | 238.0 |
| 30°   | 431.3 | 422.8 | 391.6 | 345.6 | 301.3 | 263.7 | 238.0 | 226.6 | 225.3 |
| 32.5° | 463.4 | 445.2 | 402.6 | 346.5 | 292.9 | 250.2 | 222.4 | 210.6 | 208.9 |
| 35°   | 497.5 | 465.0 | 409.3 | 341.8 | 278.9 | 232.1 | 203.0 | 191.6 | 189.9 |
| 37.5° | 526.2 | 480.2 | 411.4 | 329.6 | 257.8 | 211.0 | 185.3 | 173.4 | 170.5 |
| 40°   | 552.4 | 491.2 | 407.6 | 309.7 | 234.2 | 190.3 | 166.7 | 156.6 | 155.7 |
| 42.5° | 576.4 | 496.3 | 394.1 | 284.0 | 210.6 | 172.6 | 151.1 | 141.4 | 140.5 |
| 45°   | 595.0 | 492.9 | 371.4 | 255.7 | 191.2 | 157.4 | 137.1 | 128.3 | 126.6 |
| 47.5° | 606.8 | 480.7 | 340.1 | 232.1 | 175.1 | 141.8 | 122.0 | 112.7 | 111.0 |
| 50°   | 616.1 | 462.5 | 308.5 | 214.0 | 159.5 | 125.8 | 106.3 | 97.9  | 96.6  |
| 52.5° | 628.4 | 439.3 | 281.0 | 197.5 | 141.4 | 107.6 | 90.3  | 82.3  | 81.0  |
| 55°   | 655.4 | 419.5 | 261.6 | 179.3 | 122.0 | 88.6  | 74.3  | 69.2  | 67.5  |
| 57.5° | 746.9 | 426.2 | 249.4 | 157.4 | 99.6  | 71.3  | 61.6  | 58.7  | 58.2  |
| 60°   | 843.1 | 454.9 | 243.5 | 132.1 | 77.2  | 57.8  | 52.3  | 51.5  | 51.1  |
| 62.5° | 838.1 | 429.2 | 219.0 | 103.8 | 59.5  | 47.7  | 45.2  | 45.6  | 45.6  |
| 63°   | 821.2 | 413.6 | 211.0 | 97.5  | 56.5  | 46.4  | 43.9  | 43.9  | 43.9  |
| 65°   | 719.1 | 350.7 | 171.3 | 73.8  | 47.3  | 41.4  | 39.2  | 39.7  | 40.1  |
| 67.5° | 593.7 | 253.2 | 112.7 | 51.5  | 42.6  | 37.6  | 35.0  | 34.2  | 34.2  |
| 70°   | 454.1 | 170.5 | 66.7  | 44.7  | 42.2  | 35.0  | 30.8  | 30.0  | 30.0  |
| 72.5° | 297.9 | 104.2 | 45.2  | 44.7  | 41.8  | 33.3  | 28.7  | 27.0  | 27.0  |
| 75°   | 136.7 | 51.5  | 37.6  | 43.0  | 39.7  | 30.8  | 25.3  | 23.2  | 22.8  |
| 77.5° | 53.2  | 32.5  | 33.8  | 36.3  | 30.8  | 25.3  | 22.8  | 21.1  | 20.7  |
| 80°   | 30.8  | 26.2  | 29.5  | 26.2  | 22.4  | 19.4  | 19.4  | 18.1  | 17.7  |
| 82.5° | 22.4  | 22.4  | 22.8  | 19.0  | 16.9  | 16.0  | 16.0  | 14.8  | 14.3  |
| 85°   | 16.0  | 16.5  | 19.0  | 15.2  | 13.1  | 11.4  | 10.5  | 10.5  | 10.1  |
| 87.5° | 8.0   | 13.1  | 10.5  | 6.3   | 5.9   | 5.5   | 5.5   | 5.5   | 5.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)