

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: P142027

Luminaire Tested: **ECM-F01-LED-E1-T4-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P142027  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33685)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ECM-F01-LED-E1-T4-7060  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4  
Light Source: (7) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2436 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9  
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: 25 FT

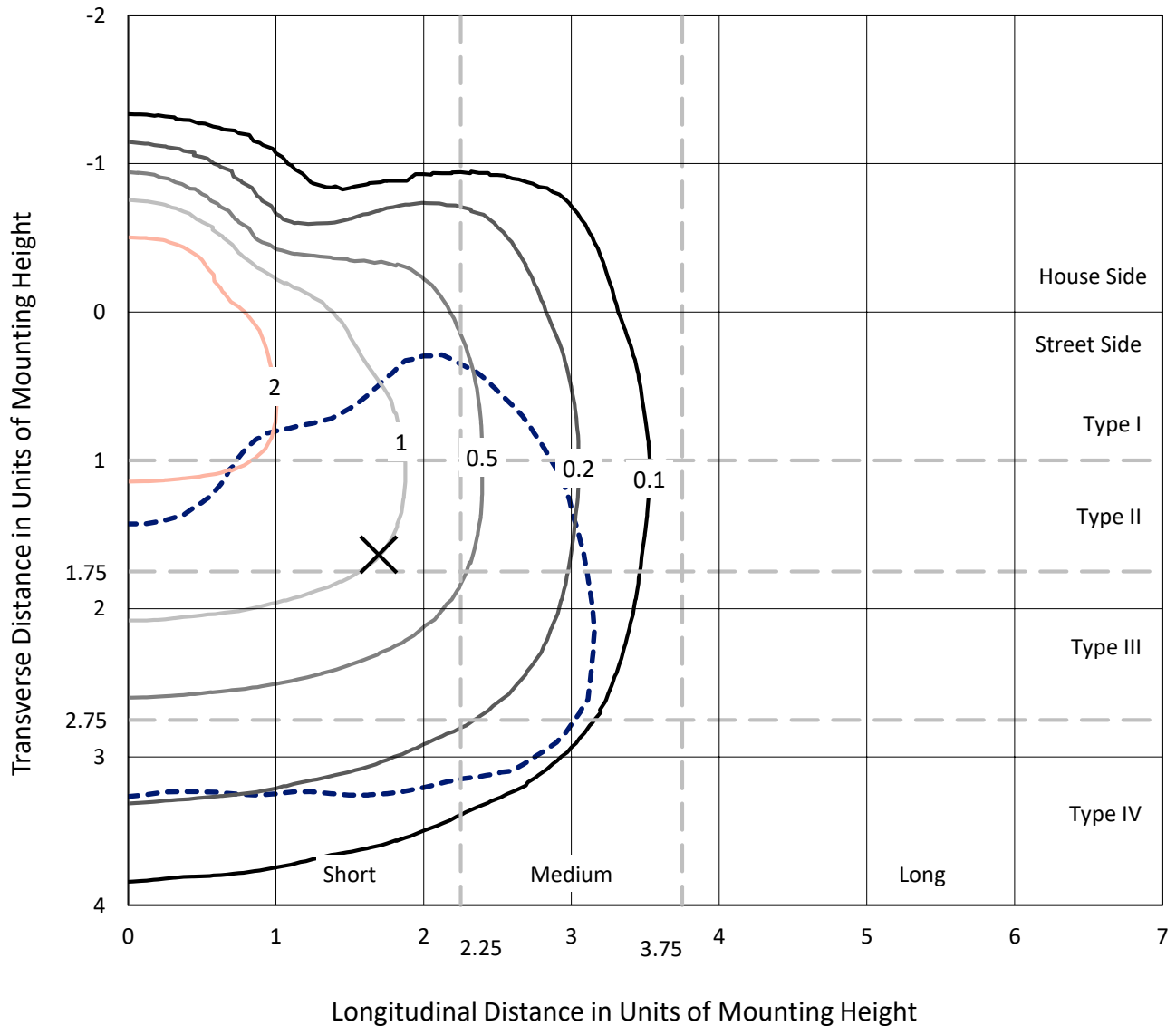


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### Iso-Footcandle Lines of Horizontal Illumination

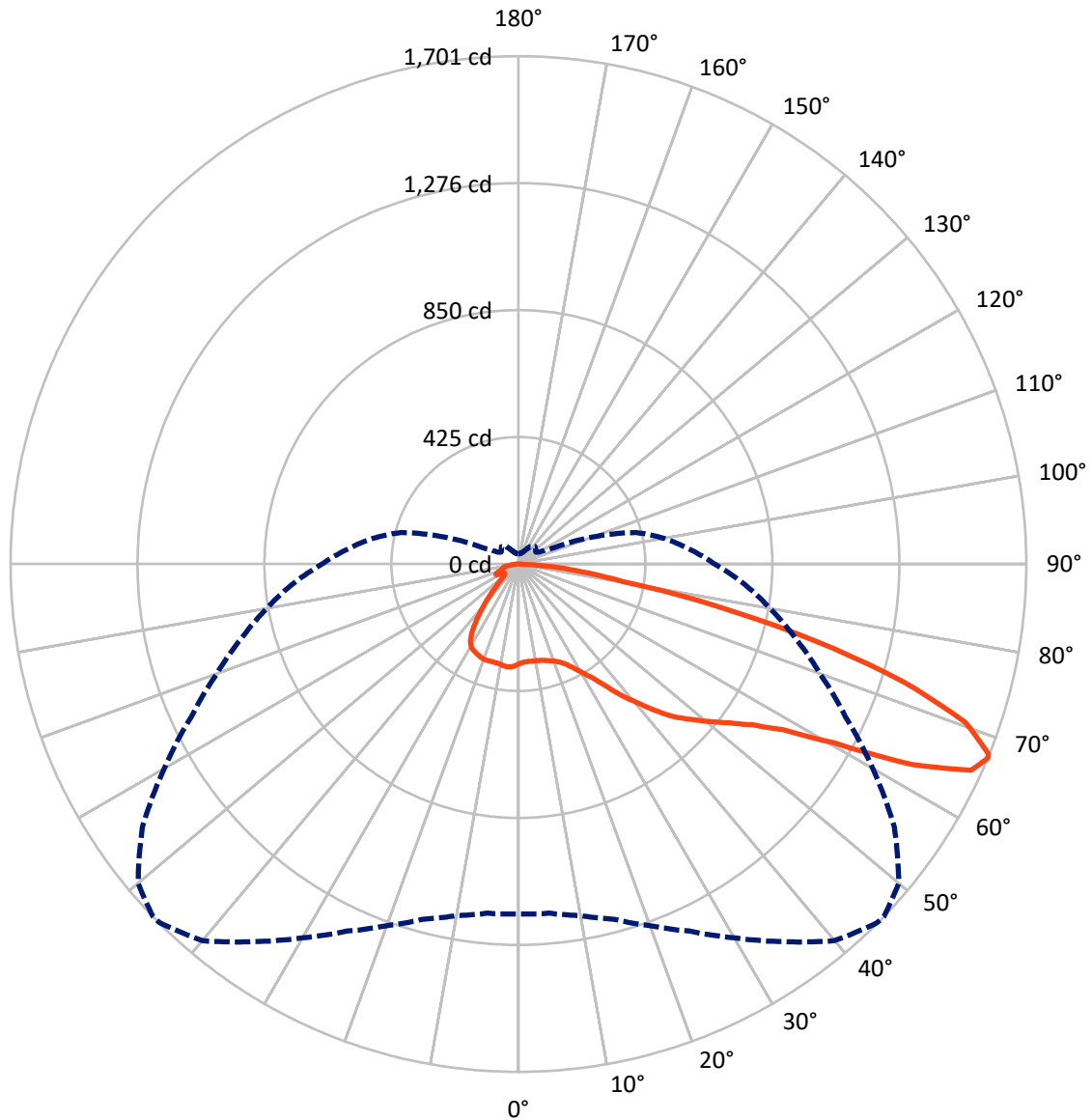
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 484.1    | 0.0    | 484.1  |
|                    | % Fixture | 19.9     | 0.0    | 19.9   |
| <b>Street Side</b> | Lumens    | 1951.9   | 0.0    | 1951.9 |
|                    | % Fixture | 80.1     | 0.0    | 80.1   |
| <b>Total</b>       | Lumens    | 2436.0   | 0.0    | 2436.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.1   | 1.3       |
| 10°-20°   | 95.9   | 3.9       |
| 20°-30°   | 161.2  | 6.6       |
| 30°-40°   | 241.1  | 9.9       |
| 40°-50°   | 314.0  | 12.9      |
| 50°-60°   | 430.0  | 17.7      |
| 60°-70°   | 679.9  | 27.9      |
| 70°-80°   | 421.7  | 17.3      |
| 80°-90°   | 60.1   | 2.5       |
| 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°    | 2436.0 | 100.0     |
| 0°-180°   | 2436.0 | 100.0     |



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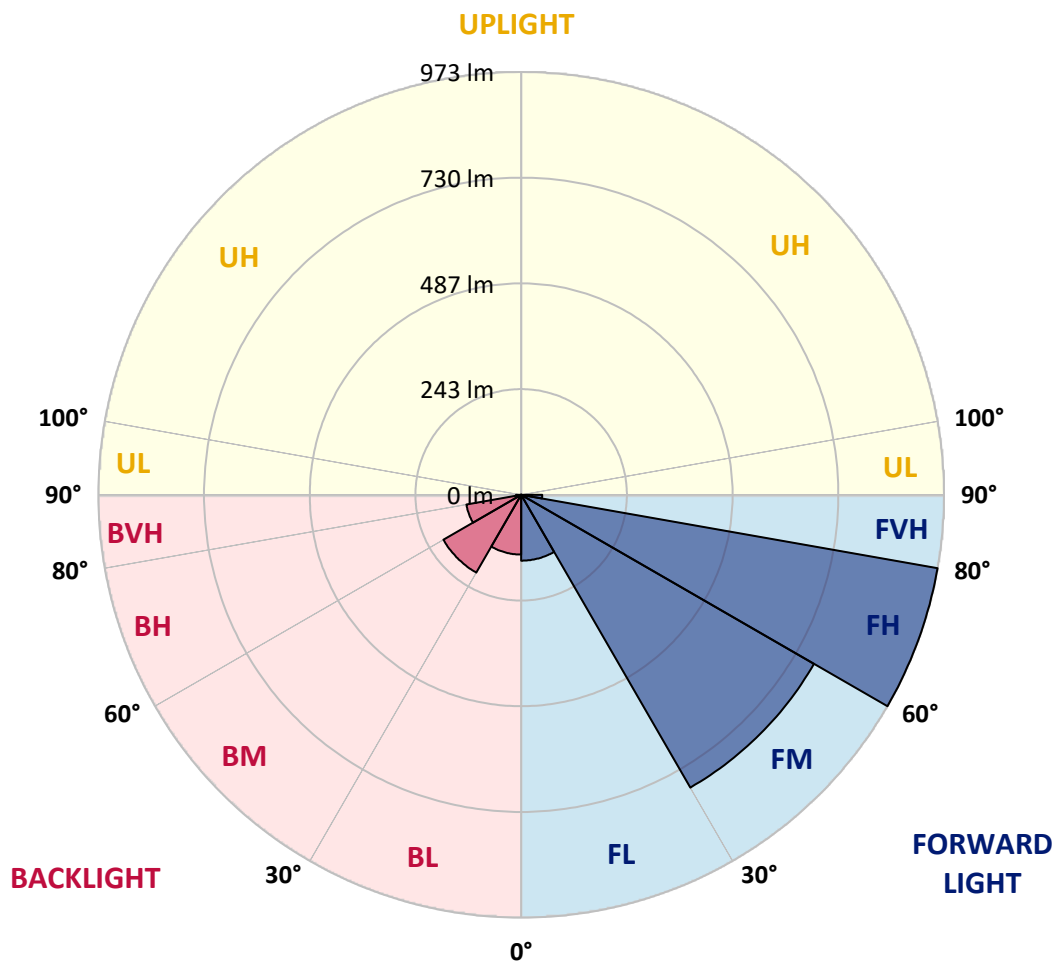
CATALOG NUMBER: ECM-F01-LED-E1-T4-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 151.7  | 6.2       |                         |      |         |
| FM   | (30°-60°)   | 778.4  | 32.0      |                         |      |         |
| FH   | (60°-80°)   | 973.4  | 40.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 48.4   | 2.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 137.5  | 5.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 206.7  | 8.5       | B0/220                  |      |         |
| BH   | (60°-80°)   | 128.1  | 5.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 11.7   | 0.5       |                         |      | G1/100  |
| 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°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 46°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  |
| 2.5°  | 326.4  | 327.3  | 327.0  | 326.7  | 327.0  | 327.3  | 327.5  | 328.4  | 328.7  | 328.9  | 329.2  |
| 5°    | 320.5  | 321.3  | 321.0  | 321.6  | 321.9  | 323.0  | 323.9  | 325.3  | 326.1  | 327.3  | 327.8  |
| 7.5°  | 318.8  | 319.3  | 319.3  | 319.9  | 320.2  | 321.3  | 322.7  | 324.4  | 326.1  | 327.8  | 328.4  |
| 10°   | 323.3  | 323.6  | 323.6  | 323.3  | 323.6  | 324.1  | 324.7  | 326.1  | 327.5  | 328.9  | 329.5  |
| 12.5° | 334.0  | 333.2  | 332.9  | 332.1  | 332.3  | 331.2  | 331.2  | 330.9  | 330.9  | 331.2  | 331.2  |
| 15°   | 345.3  | 344.8  | 344.2  | 342.8  | 342.8  | 341.1  | 340.5  | 339.4  | 336.6  | 335.4  | 335.2  |
| 17.5° | 355.5  | 354.9  | 353.8  | 352.7  | 352.1  | 349.8  | 349.3  | 347.3  | 343.9  | 341.4  | 340.5  |
| 20°   | 367.6  | 366.2  | 363.7  | 363.1  | 361.7  | 359.2  | 358.3  | 355.8  | 351.3  | 347.6  | 347.3  |
| 22.5° | 386.3  | 384.0  | 381.5  | 379.5  | 375.8  | 373.3  | 371.0  | 367.6  | 362.3  | 358.0  | 356.9  |
| 25°   | 404.9  | 404.1  | 401.8  | 399.0  | 396.4  | 393.6  | 390.8  | 385.7  | 378.6  | 373.3  | 372.1  |
| 27.5° | 431.2  | 429.2  | 426.4  | 421.8  | 420.4  | 415.6  | 413.4  | 409.1  | 402.1  | 395.3  | 394.2  |
| 30°   | 458.6  | 456.6  | 452.1  | 448.1  | 447.3  | 442.2  | 440.8  | 436.2  | 430.0  | 423.3  | 422.4  |
| 32.5° | 489.9  | 487.9  | 484.5  | 482.3  | 479.2  | 476.3  | 473.0  | 468.7  | 460.8  | 455.2  | 454.0  |
| 35°   | 530.0  | 528.3  | 524.3  | 526.0  | 523.2  | 522.4  | 520.4  | 513.3  | 504.6  | 497.8  | 498.9  |
| 37.5° | 561.6  | 561.3  | 562.2  | 561.3  | 565.0  | 568.7  | 568.7  | 569.2  | 565.0  | 557.7  | 556.2  |
| 40°   | 591.3  | 591.0  | 593.2  | 595.8  | 605.7  | 611.6  | 618.4  | 620.9  | 616.4  | 610.7  | 608.8  |
| 42.5° | 618.9  | 618.4  | 621.5  | 630.8  | 642.9  | 653.9  | 665.5  | 675.4  | 677.7  | 671.4  | 670.0  |
| 45°   | 646.3  | 647.2  | 651.1  | 661.6  | 677.7  | 692.1  | 711.8  | 723.4  | 730.7  | 727.4  | 729.6  |
| 47.5° | 679.4  | 680.2  | 684.4  | 696.9  | 711.0  | 729.0  | 752.2  | 772.0  | 780.7  | 780.7  | 777.9  |
| 50°   | 718.6  | 722.6  | 727.1  | 735.5  | 751.9  | 769.7  | 797.9  | 817.7  | 831.8  | 831.3  | 829.0  |
| 52.5° | 770.8  | 771.7  | 779.0  | 785.8  | 799.9  | 818.0  | 843.4  | 870.5  | 888.3  | 886.6  | 884.1  |
| 55°   | 841.1  | 837.8  | 842.6  | 849.1  | 864.3  | 880.1  | 907.8  | 939.1  | 957.2  | 951.8  | 950.1  |
| 57.5° | 929.8  | 927.0  | 930.4  | 938.3  | 957.5  | 970.5  | 992.8  | 1021.6 | 1047.0 | 1051.5 | 1047.6 |
| 60°   | 1057.7 | 1057.7 | 1064.5 | 1081.4 | 1100.9 | 1120.4 | 1148.9 | 1183.6 | 1209.9 | 1216.4 | 1216.1 |
| 62.5° | 1209.3 | 1218.9 | 1220.4 | 1242.4 | 1279.6 | 1313.2 | 1357.6 | 1418.9 | 1458.1 | 1486.1 | 1478.7 |
| 65°   | 1233.6 | 1236.7 | 1249.2 | 1283.3 | 1333.9 | 1393.4 | 1462.3 | 1542.8 | 1624.4 | 1664.8 | 1665.9 |
| 67°   | 1172.6 | 1173.8 | 1195.5 | 1231.4 | 1289.2 | 1356.5 | 1445.7 | 1543.7 | 1647.0 | 1699.2 | 1700.9 |
| 67.5° | 1153.7 | 1151.5 | 1170.9 | 1208.5 | 1271.7 | 1347.4 | 1431.3 | 1534.3 | 1641.1 | 1697.0 | 1697.8 |
| 70°   | 1026.9 | 1028.1 | 1043.3 | 1085.1 | 1152.0 | 1222.9 | 1316.6 | 1422.5 | 1534.9 | 1586.0 | 1588.5 |
| 72.5° | 885.5  | 878.1  | 892.0  | 936.6  | 968.5  | 1037.7 | 1123.8 | 1203.7 | 1302.5 | 1350.8 | 1349.7 |
| 75°   | 675.4  | 655.1  | 679.4  | 705.3  | 723.1  | 791.7  | 845.4  | 900.4  | 991.6  | 1028.3 | 1026.4 |
| 77.5° | 364.0  | 363.1  | 389.7  | 410.0  | 436.5  | 498.4  | 545.5  | 580.2  | 657.0  | 675.1  | 677.4  |
| 80°   | 197.7  | 205.0  | 220.8  | 243.4  | 264.9  | 294.5  | 321.9  | 343.6  | 368.8  | 357.2  | 354.6  |
| 82.5° | 119.2  | 131.3  | 155.6  | 172.8  | 181.3  | 194.5  | 214.0  | 226.5  | 236.3  | 214.9  | 210.6  |
| 85°   | 18.9   | 34.2   | 87.8   | 105.0  | 114.1  | 120.3  | 124.5  | 132.7  | 121.1  | 113.5  | 115.5  |
| 87.5° | 6.2    | 7.1    | 13.6   | 29.9   | 26.3   | 18.1   | 23.7   | 34.4   | 16.4   | 8.8    | 8.5    |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 70°    | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0°    | 333.7  | 333.7  | 333.7  | 333.7  | 333.7  | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 |
| 2.5°  | 329.5  | 329.8  | 330.6  | 331.8  | 332.3  | 333.7 | 333.7 | 334.9 | 334.9 | 335.7 | 336.6 |
| 5°    | 328.7  | 330.1  | 331.2  | 332.9  | 333.7  | 335.7 | 336.6 | 338.3 | 339.1 | 340.2 | 341.4 |
| 7.5°  | 330.1  | 332.1  | 333.5  | 335.4  | 336.9  | 338.8 | 339.7 | 341.1 | 341.9 | 343.3 | 343.9 |
| 10°   | 331.2  | 333.2  | 334.9  | 337.1  | 338.3  | 339.7 | 340.5 | 341.7 | 341.9 | 342.8 | 343.3 |
| 12.5° | 332.6  | 333.5  | 334.9  | 336.9  | 338.0  | 338.8 | 339.7 | 340.5 | 341.4 | 341.4 | 341.4 |
| 15°   | 334.6  | 333.7  | 334.0  | 335.7  | 336.9  | 337.4 | 338.3 | 338.8 | 339.1 | 339.1 | 338.5 |
| 17.5° | 338.8  | 336.6  | 335.2  | 335.2  | 335.7  | 336.3 | 336.3 | 335.4 | 334.9 | 334.0 | 332.9 |
| 20°   | 345.0  | 341.4  | 338.5  | 337.1  | 336.0  | 334.6 | 332.3 | 329.5 | 327.0 | 324.7 | 323.3 |
| 22.5° | 353.8  | 350.1  | 346.7  | 343.6  | 340.0  | 335.2 | 330.4 | 324.4 | 319.6 | 316.0 | 314.5 |
| 25°   | 370.2  | 364.8  | 362.3  | 357.5  | 351.8  | 344.2 | 336.9 | 328.7 | 323.0 | 317.9 | 315.7 |
| 27.5° | 392.2  | 388.0  | 382.3  | 379.8  | 372.4  | 363.7 | 355.5 | 345.6 | 337.7 | 331.5 | 327.3 |
| 30°   | 420.1  | 417.3  | 412.5  | 408.3  | 401.2  | 393.3 | 381.2 | 370.2 | 356.3 | 345.3 | 339.1 |
| 32.5° | 452.3  | 448.1  | 443.9  | 438.5  | 433.4  | 423.0 | 411.7 | 395.0 | 375.8 | 356.9 | 345.3 |
| 35°   | 492.7  | 488.5  | 485.7  | 477.2  | 468.7  | 457.4 | 442.2 | 422.4 | 395.6 | 370.2 | 350.4 |
| 37.5° | 548.3  | 539.3  | 525.5  | 513.3  | 498.1  | 480.9 | 463.6 | 439.9 | 410.0 | 376.9 | 349.8 |
| 40°   | 596.6  | 583.4  | 567.8  | 546.9  | 525.5  | 502.9 | 482.6 | 456.9 | 421.8 | 382.6 | 345.9 |
| 42.5° | 659.3  | 636.4  | 610.2  | 582.5  | 553.1  | 526.0 | 500.9 | 471.5 | 430.6 | 382.9 | 336.6 |
| 45°   | 715.8  | 687.5  | 652.8  | 615.3  | 579.4  | 546.4 | 517.6 | 485.1 | 437.9 | 381.7 | 325.8 |
| 47.5° | 766.0  | 733.0  | 690.6  | 645.5  | 603.1  | 565.8 | 534.2 | 500.1 | 447.5 | 385.4 | 321.9 |
| 50°   | 814.6  | 776.8  | 729.0  | 674.3  | 627.1  | 586.5 | 553.4 | 516.7 | 463.6 | 397.8 | 328.1 |
| 52.5° | 866.6  | 820.5  | 766.6  | 704.8  | 653.4  | 611.3 | 574.3 | 536.8 | 482.8 | 414.5 | 339.4 |
| 55°   | 930.1  | 877.9  | 816.3  | 748.0  | 689.0  | 642.1 | 600.3 | 560.8 | 505.7 | 435.1 | 352.7 |
| 57.5° | 1014.8 | 962.0  | 891.1  | 812.3  | 750.5  | 694.9 | 644.6 | 600.0 | 540.4 | 463.6 | 372.4 |
| 60°   | 1178.0 | 1112.8 | 1018.5 | 932.9  | 866.0  | 800.5 | 739.8 | 678.8 | 607.1 | 521.2 | 423.3 |
| 62.5° | 1440.0 | 1349.1 | 1232.2 | 1113.1 | 1022.7 | 936.0 | 855.8 | 776.5 | 687.0 | 590.7 | 483.7 |
| 65°   | 1621.3 | 1508.9 | 1362.1 | 1212.7 | 1090.5 | 984.6 | 888.9 | 794.6 | 694.9 | 603.1 | 509.9 |
| 67°   | 1662.8 | 1537.2 | 1370.0 | 1207.9 | 1074.9 | 960.0 | 855.8 | 757.6 | 657.3 | 574.0 | 494.4 |
| 67.5° | 1661.1 | 1535.7 | 1363.8 | 1197.8 | 1064.5 | 951.3 | 846.2 | 742.9 | 644.3 | 562.7 | 486.8 |
| 70°   | 1560.6 | 1434.7 | 1261.9 | 1096.7 | 968.2  | 855.5 | 749.7 | 659.6 | 559.1 | 493.0 | 436.0 |
| 72.5° | 1322.3 | 1212.7 | 1073.2 | 924.7  | 814.6  | 713.8 | 629.1 | 540.7 | 453.5 | 409.4 | 364.5 |
| 75°   | 1005.5 | 908.3  | 780.4  | 671.7  | 587.9  | 517.8 | 432.9 | 374.7 | 313.4 | 283.2 | 267.1 |
| 77.5° | 664.4  | 552.9  | 464.5  | 360.9  | 299.3  | 244.2 | 192.6 | 152.8 | 127.6 | 134.1 | 146.5 |
| 80°   | 351.5  | 279.0  | 206.4  | 159.8  | 123.4  | 96.0  | 76.2  | 57.0  | 41.5  | 48.6  | 61.0  |
| 82.5° | 191.4  | 163.2  | 120.6  | 96.0   | 78.5   | 64.9  | 50.0  | 35.0  | 26.0  | 28.8  | 41.5  |
| 85°   | 109.3  | 96.0   | 74.5   | 58.2   | 50.8   | 41.5  | 28.5  | 19.2  | 18.6  | 20.0  | 25.7  |
| 87.5° | 18.1   | 24.3   | 19.8   | 13.6   | 15.2   | 15.0  | 13.3  | 10.2  | 7.6   | 10.7  | 13.8  |
| 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°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 |
| 2.5°  | 337.1 | 338.0 | 339.1 | 339.4 | 339.1 | 340.0 | 341.4 | 342.5 | 341.7 | 341.1 | 342.5 |
| 5°    | 342.5 | 343.1 | 344.5 | 344.5 | 344.8 | 345.3 | 346.2 | 347.0 | 345.9 | 345.9 | 346.5 |
| 7.5°  | 344.8 | 344.8 | 346.2 | 345.6 | 345.6 | 345.3 | 346.2 | 346.5 | 344.8 | 344.5 | 344.8 |
| 10°   | 343.3 | 343.3 | 343.9 | 342.8 | 342.5 | 342.2 | 342.2 | 342.5 | 340.8 | 340.2 | 341.1 |
| 12.5° | 341.4 | 341.4 | 340.8 | 340.2 | 339.7 | 339.1 | 339.7 | 340.0 | 338.8 | 338.8 | 339.1 |
| 15°   | 338.0 | 337.1 | 336.9 | 336.9 | 337.1 | 337.4 | 338.5 | 339.4 | 338.5 | 338.0 | 338.0 |
| 17.5° | 332.3 | 331.8 | 332.6 | 334.3 | 336.3 | 337.7 | 339.4 | 340.0 | 338.0 | 335.7 | 334.0 |
| 20°   | 323.9 | 325.3 | 328.4 | 333.2 | 337.4 | 339.7 | 339.7 | 337.7 | 333.2 | 328.7 | 326.4 |
| 22.5° | 315.1 | 319.1 | 325.8 | 333.2 | 338.3 | 339.1 | 336.0 | 331.8 | 325.6 | 320.8 | 316.5 |
| 25°   | 316.2 | 321.0 | 327.8 | 334.0 | 337.4 | 336.0 | 330.4 | 325.0 | 317.7 | 312.6 | 306.4 |
| 27.5° | 328.1 | 332.6 | 336.0 | 338.0 | 336.9 | 332.3 | 325.8 | 318.5 | 310.3 | 303.3 | 295.9 |
| 30°   | 337.7 | 339.7 | 339.4 | 337.7 | 333.5 | 326.4 | 318.8 | 310.0 | 300.1 | 292.5 | 282.9 |
| 32.5° | 339.4 | 335.7 | 330.1 | 323.9 | 318.2 | 310.3 | 301.6 | 291.4 | 280.4 | 270.5 | 260.9 |
| 35°   | 336.3 | 322.5 | 310.0 | 297.6 | 289.1 | 279.3 | 271.6 | 259.8 | 247.6 | 239.2 | 232.1 |
| 37.5° | 324.7 | 300.7 | 280.9 | 263.4 | 251.0 | 239.7 | 228.1 | 216.6 | 206.4 | 202.5 | 200.5 |
| 40°   | 310.0 | 273.9 | 243.7 | 219.4 | 206.1 | 195.1 | 183.3 | 173.9 | 169.1 | 165.5 | 164.1 |
| 42.5° | 288.6 | 243.4 | 205.8 | 179.9 | 162.9 | 152.8 | 141.2 | 136.1 | 133.8 | 134.7 | 133.6 |
| 45°   | 268.5 | 211.5 | 164.3 | 135.5 | 124.0 | 114.4 | 108.7 | 106.4 | 105.3 | 104.8 | 105.6 |
| 47.5° | 254.4 | 186.9 | 132.4 | 103.1 | 93.5  | 86.7  | 84.4  | 83.6  | 83.3  | 82.2  | 81.9  |
| 50°   | 251.0 | 172.5 | 108.4 | 80.2  | 72.8  | 69.2  | 68.0  | 67.2  | 66.6  | 65.8  | 63.8  |
| 52.5° | 255.0 | 168.6 | 96.6  | 68.9  | 62.7  | 59.9  | 59.0  | 57.6  | 57.0  | 54.8  | 52.2  |
| 55°   | 261.7 | 170.0 | 92.9  | 65.8  | 59.6  | 56.5  | 55.3  | 54.8  | 52.8  | 50.3  | 47.2  |
| 57.5° | 275.9 | 178.7 | 94.6  | 66.6  | 60.1  | 57.3  | 56.8  | 56.2  | 53.6  | 50.0  | 46.0  |
| 60°   | 316.8 | 204.1 | 103.3 | 72.6  | 64.7  | 62.7  | 63.0  | 61.8  | 58.2  | 53.4  | 47.4  |
| 62.5° | 380.1 | 243.7 | 119.4 | 79.9  | 72.0  | 72.0  | 73.7  | 72.8  | 67.2  | 59.3  | 50.8  |
| 65°   | 412.8 | 267.4 | 126.2 | 82.2  | 74.3  | 77.9  | 83.3  | 82.4  | 74.3  | 62.4  | 51.1  |
| 67°   | 407.7 | 262.9 | 122.3 | 78.8  | 70.0  | 74.8  | 80.2  | 80.5  | 71.4  | 59.6  | 48.8  |
| 67.5° | 402.9 | 259.8 | 120.3 | 77.4  | 68.9  | 73.7  | 78.8  | 77.9  | 70.3  | 58.4  | 48.3  |
| 70°   | 362.0 | 228.1 | 107.3 | 72.3  | 63.8  | 65.2  | 66.6  | 65.5  | 59.6  | 51.7  | 44.6  |
| 72.5° | 312.6 | 189.5 | 94.6  | 69.2  | 61.0  | 58.7  | 58.7  | 56.8  | 52.8  | 47.4  | 42.4  |
| 75°   | 238.3 | 147.4 | 83.0  | 65.8  | 57.6  | 54.2  | 53.6  | 52.2  | 48.8  | 44.9  | 40.4  |
| 77.5° | 145.4 | 105.6 | 72.0  | 60.7  | 53.4  | 50.5  | 50.8  | 50.0  | 46.6  | 42.9  | 38.7  |
| 80°   | 72.8  | 68.3  | 60.4  | 52.8  | 48.3  | 45.5  | 45.7  | 44.0  | 41.2  | 38.4  | 35.0  |
| 82.5° | 44.6  | 47.2  | 42.4  | 40.1  | 37.3  | 34.2  | 26.5  | 31.1  | 30.2  | 27.7  | 26.3  |
| 85°   | 29.6  | 29.4  | 26.5  | 23.4  | 21.5  | 18.6  | 16.7  | 16.9  | 18.6  | 19.2  | 19.2  |
| 87.5° | 14.4  | 13.8  | 12.7  | 11.9  | 11.3  | 9.3   | 8.8   | 9.9   | 9.9   | 10.4  | 10.2  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 333.7 | 333.7 | 333.7 | 333.7 | 333.7 |
| 2.5°  | 342.8 | 343.3 | 343.1 | 343.9 | 343.1 |
| 5°    | 346.7 | 346.7 | 347.0 | 347.3 | 347.0 |
| 7.5°  | 344.8 | 344.5 | 345.0 | 345.6 | 345.3 |
| 10°   | 341.1 | 341.4 | 341.9 | 342.8 | 342.8 |
| 12.5° | 339.7 | 340.0 | 341.1 | 341.9 | 341.9 |
| 15°   | 338.5 | 338.8 | 339.4 | 340.5 | 339.7 |
| 17.5° | 333.5 | 332.3 | 332.3 | 333.2 | 332.3 |
| 20°   | 324.4 | 322.7 | 322.7 | 322.5 | 322.2 |
| 22.5° | 313.7 | 309.5 | 308.3 | 306.9 | 307.2 |
| 25°   | 300.4 | 294.8 | 291.7 | 290.0 | 289.4 |
| 27.5° | 289.7 | 283.2 | 280.1 | 277.6 | 276.7 |
| 30°   | 276.1 | 268.8 | 266.3 | 264.9 | 264.3 |
| 32.5° | 256.4 | 249.9 | 246.5 | 245.7 | 244.0 |
| 35°   | 226.5 | 223.6 | 222.2 | 220.2 | 220.5 |
| 37.5° | 196.5 | 195.7 | 192.3 | 193.4 | 192.3 |
| 40°   | 164.3 | 164.1 | 164.6 | 163.8 | 165.7 |
| 42.5° | 134.1 | 133.3 | 134.7 | 133.8 | 134.7 |
| 45°   | 103.9 | 105.6 | 107.6 | 106.7 | 107.9 |
| 47.5° | 79.6  | 79.9  | 79.3  | 79.9  | 80.5  |
| 50°   | 61.3  | 60.7  | 60.1  | 59.0  | 59.6  |
| 52.5° | 50.5  | 48.6  | 47.2  | 46.3  | 46.0  |
| 55°   | 44.6  | 42.6  | 41.5  | 40.4  | 40.4  |
| 57.5° | 42.9  | 40.4  | 38.7  | 37.8  | 37.6  |
| 60°   | 43.2  | 39.8  | 37.6  | 36.1  | 35.9  |
| 62.5° | 44.3  | 39.8  | 36.7  | 35.3  | 34.7  |
| 65°   | 44.0  | 39.2  | 36.1  | 34.7  | 34.2  |
| 67°   | 42.6  | 38.4  | 35.9  | 34.4  | 34.2  |
| 67.5° | 42.1  | 38.1  | 35.9  | 34.4  | 33.9  |
| 70°   | 40.1  | 37.3  | 35.3  | 33.9  | 33.3  |
| 72.5° | 38.4  | 36.1  | 33.9  | 32.8  | 32.2  |
| 75°   | 36.7  | 34.4  | 32.5  | 31.3  | 31.1  |
| 77.5° | 35.0  | 32.5  | 31.1  | 29.6  | 28.5  |
| 80°   | 31.9  | 29.1  | 27.1  | 24.8  | 24.3  |
| 82.5° | 26.3  | 24.0  | 22.0  | 20.0  | 19.8  |
| 85°   | 19.5  | 18.6  | 16.9  | 15.2  | 15.2  |
| 87.5° | 10.7  | 11.9  | 10.4  | 9.6   | 9.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)