

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: P675799

Luminaire Tested: **CCW-SA-1B-722-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675799  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-722-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
SLL distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

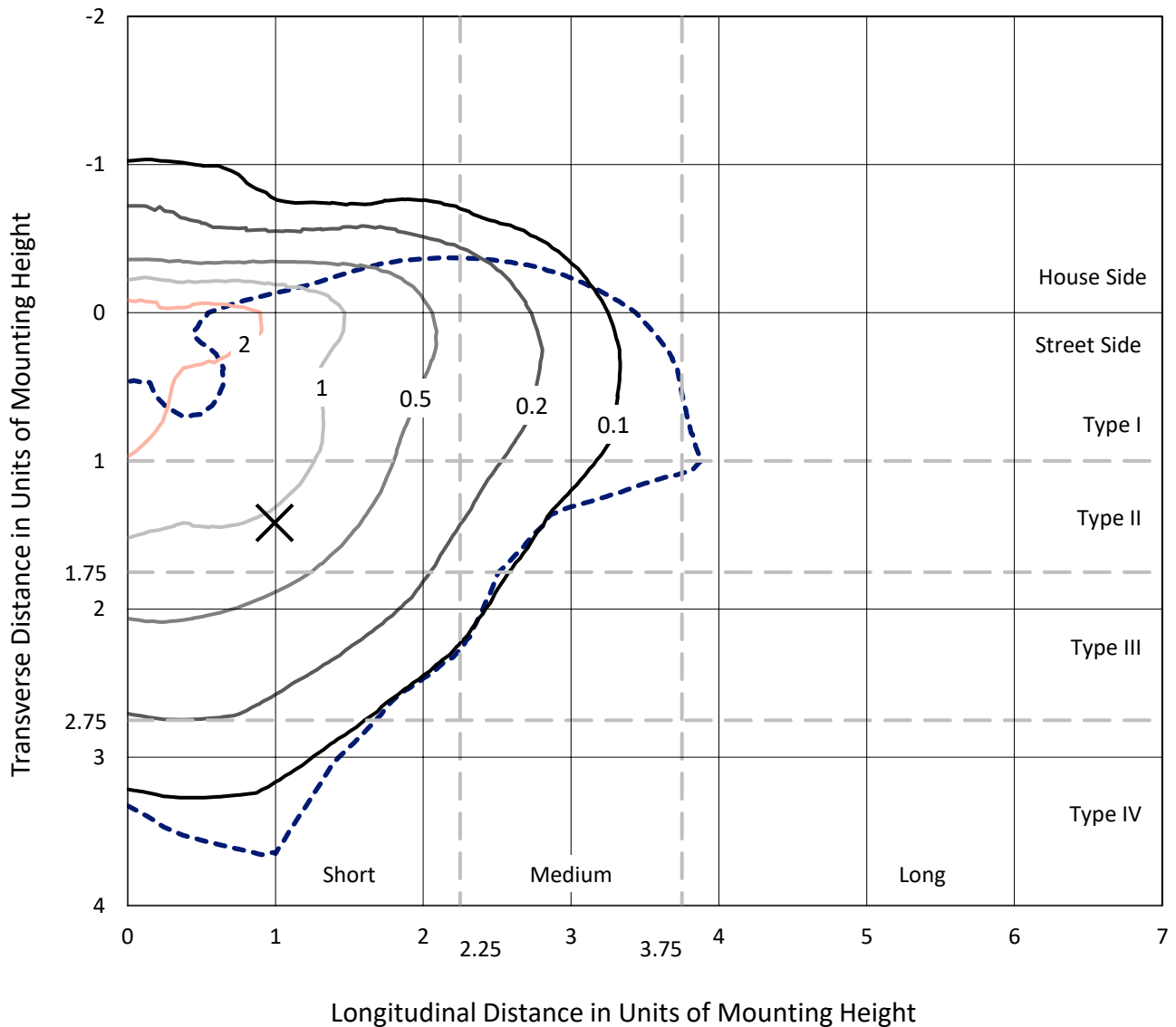
Lumens per Lamp: N/A  
Luminaire Lumens: 2110.8 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
Input Voltage (V): 120  
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

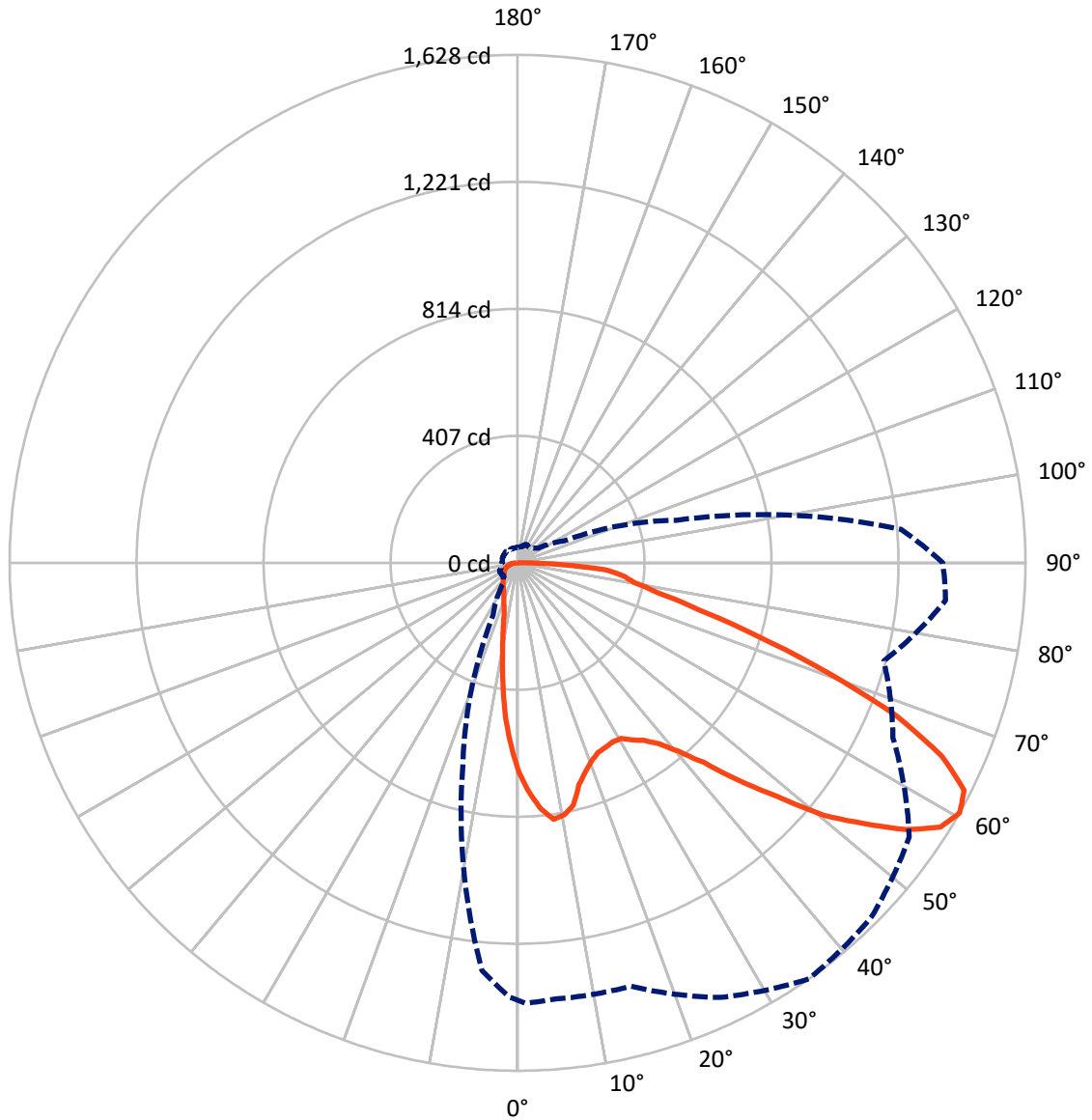
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 401.7    | 0.0    | 401.7  |
|                    | % Fixture | 19.0     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 1709.1   | 0.0    | 1709.1 |
|                    | % Fixture | 81.0     | 0.0    | 81.0   |
| <b>Total</b>       | Lumens    | 2110.8   | 0.0    | 2110.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.4   | 2.5       |
| 10°-20°   | 110.6  | 5.2       |
| 20°-30°   | 161.8  | 7.7       |
| 30°-40°   | 228.0  | 10.8      |
| 40°-50°   | 313.3  | 14.8      |
| 50°-60°   | 426.9  | 20.2      |
| 60°-70°   | 467.3  | 22.1      |
| 70°-80°   | 269.8  | 12.8      |
| 80°-90°   | 80.8   | 3.8       |
| 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°    | 2110.8 | 100.0     |
| 0°-180°   | 2110.8 | 100.0     |

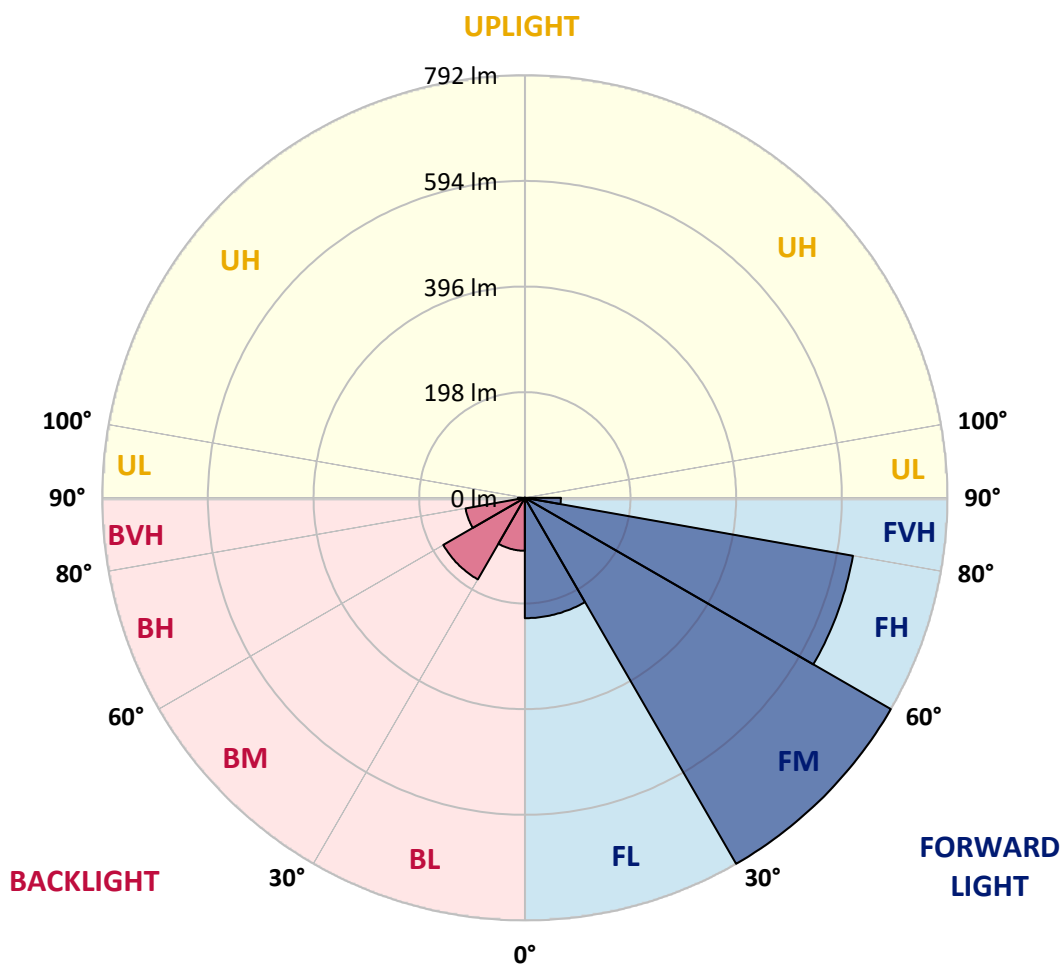


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 225.5  | 10.7      |                         |      |        |
| FM (30°-60°)   | 791.7  | 37.5      |                         |      |        |
| FH (60°-80°)   | 624.2  | 29.6      |                         |      | G0/660 |
| FVH (80°-90°)  | 67.6   | 3.2       |                         |      | G1/100 |
| BL (0°-30°)    | 99.2   | 4.7       | B0/110                  |      |        |
| BM (30°-60°)   | 176.5  | 8.4       | B0/220                  |      |        |
| BH (60°-80°)   | 112.8  | 5.3       | B1/500                  |      | G1/500 |
| BVH (80°-90°)  | 13.2   | 0.6       |                         |      | 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°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  | 674.2  |
| 2.5°  | 721.9  | 719.1  | 721.9  | 732.2  | 735.0  | 739.7  | 739.7  | 733.2  | 721.0  | 715.4  | 706.0  |
| 5°    | 737.8  | 733.2  | 756.6  | 778.1  | 795.0  | 793.1  | 777.2  | 764.1  | 739.7  | 703.2  | 668.5  |
| 7.5°  | 706.0  | 710.7  | 727.5  | 783.7  | 823.0  | 830.5  | 805.3  | 779.0  | 726.6  | 676.0  | 629.2  |
| 10°   | 646.1  | 652.6  | 689.1  | 747.2  | 809.0  | 821.2  | 805.3  | 773.4  | 710.7  | 647.9  | 593.6  |
| 12.5° | 617.0  | 632.0  | 653.6  | 723.8  | 767.8  | 796.8  | 789.3  | 768.7  | 698.5  | 624.5  | 572.1  |
| 15°   | 617.0  | 620.8  | 652.6  | 711.6  | 736.9  | 737.8  | 740.6  | 744.4  | 702.3  | 634.8  | 564.6  |
| 17.5° | 636.7  | 647.0  | 674.2  | 710.7  | 715.4  | 704.1  | 704.1  | 720.0  | 709.7  | 663.9  | 591.8  |
| 20°   | 684.5  | 680.7  | 716.3  | 731.3  | 706.0  | 677.9  | 675.1  | 702.3  | 718.2  | 694.8  | 641.4  |
| 22.5° | 732.2  | 749.1  | 778.1  | 744.4  | 697.6  | 660.1  | 656.4  | 690.1  | 743.5  | 748.1  | 698.5  |
| 25°   | 804.3  | 821.2  | 836.2  | 795.0  | 696.6  | 655.4  | 658.2  | 684.5  | 774.4  | 824.0  | 794.0  |
| 27.5° | 882.0  | 892.3  | 913.9  | 850.2  | 719.1  | 649.8  | 652.6  | 692.0  | 803.4  | 873.6  | 868.9  |
| 30°   | 926.0  | 937.3  | 932.6  | 860.5  | 734.1  | 653.6  | 646.1  | 702.3  | 787.5  | 873.6  | 917.6  |
| 32.5° | 969.1  | 962.6  | 959.7  | 877.4  | 752.8  | 677.0  | 658.2  | 723.8  | 796.8  | 887.7  | 980.3  |
| 35°   | 1021.5 | 1012.2 | 1004.7 | 910.1  | 783.7  | 699.4  | 691.0  | 751.9  | 817.4  | 916.7  | 1030.9 |
| 37.5° | 1079.6 | 1079.6 | 1043.1 | 934.5  | 820.2  | 736.0  | 726.6  | 792.1  | 850.2  | 934.5  | 1100.2 |
| 40°   | 1148.0 | 1150.8 | 1086.2 | 967.2  | 861.4  | 794.0  | 791.2  | 844.6  | 882.0  | 960.7  | 1166.7 |
| 42.5° | 1198.5 | 1200.4 | 1123.6 | 979.4  | 909.2  | 874.5  | 886.7  | 928.8  | 918.5  | 984.1  | 1171.4 |
| 45°   | 1233.2 | 1223.8 | 1149.8 | 1014.1 | 961.6  | 995.3  | 999.1  | 1011.2 | 966.3  | 998.1  | 1190.1 |
| 47.5° | 1250.0 | 1248.1 | 1161.1 | 1054.3 | 1072.1 | 1118.0 | 1139.5 | 1122.7 | 1010.3 | 983.2  | 1190.1 |
| 50°   | 1266.9 | 1251.0 | 1171.4 | 1109.6 | 1179.8 | 1272.5 | 1267.8 | 1236.9 | 1071.2 | 1001.9 | 1172.3 |
| 52.5° | 1278.1 | 1264.1 | 1192.0 | 1159.2 | 1282.8 | 1387.7 | 1406.4 | 1349.3 | 1142.3 | 1036.5 | 1180.7 |
| 55°   | 1318.4 | 1307.1 | 1253.8 | 1226.6 | 1401.7 | 1509.4 | 1512.2 | 1432.6 | 1217.2 | 1093.6 | 1236.0 |
| 57.5° | 1367.1 | 1373.6 | 1339.0 | 1322.1 | 1492.5 | 1598.3 | 1588.0 | 1494.4 | 1280.9 | 1162.9 | 1299.6 |
| 60°   | 1401.7 | 1412.0 | 1403.6 | 1405.4 | 1537.5 | 1628.3 | 1604.9 | 1532.8 | 1327.7 | 1215.4 | 1377.4 |
| 62.5° | 1383.0 | 1403.6 | 1438.2 | 1430.7 | 1539.3 | 1606.8 | 1574.0 | 1482.2 | 1333.3 | 1283.7 | 1436.3 |
| 65°   | 1331.5 | 1333.3 | 1400.8 | 1442.0 | 1455.1 | 1495.3 | 1452.3 | 1376.4 | 1275.3 | 1325.9 | 1427.9 |
| 67.5° | 1199.5 | 1214.4 | 1275.3 | 1355.8 | 1300.6 | 1309.9 | 1306.2 | 1196.6 | 1187.3 | 1296.8 | 1363.3 |
| 70°   | 1059.0 | 1069.3 | 1135.8 | 1230.4 | 1098.3 | 1054.3 | 1062.7 | 981.3  | 1019.7 | 1206.9 | 1233.2 |
| 72.5° | 875.5  | 882.0  | 957.9  | 1041.2 | 881.1  | 802.4  | 822.1  | 755.6  | 809.9  | 1056.2 | 1040.3 |
| 75°   | 661.1  | 673.2  | 732.2  | 830.5  | 648.9  | 598.3  | 618.0  | 590.8  | 641.4  | 869.9  | 807.1  |
| 77.5° | 470.0  | 460.7  | 533.7  | 649.8  | 487.8  | 457.9  | 459.7  | 464.4  | 518.7  | 733.2  | 579.6  |
| 80°   | 320.2  | 323.0  | 388.6  | 476.6  | 383.0  | 378.3  | 373.6  | 411.1  | 435.4  | 580.5  | 421.4  |
| 82.5° | 190.1  | 190.1  | 262.2  | 339.0  | 302.4  | 340.8  | 319.3  | 353.0  | 340.8  | 427.0  | 276.2  |
| 85°   | 89.0   | 89.0   | 134.8  | 244.4  | 234.1  | 280.9  | 238.8  | 266.9  | 251.9  | 297.8  | 124.5  |
| 87.5° | 15.0   | 13.1   | 27.2   | 119.9  | 96.4   | 109.6  | 43.1   | 142.3  | 158.2  | 207.9  | 30.9   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 674.2  | 674.2  | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 |
| 2.5°  | 695.7  | 689.1  | 676.0 | 659.2 | 645.1 | 627.3 | 621.7 | 609.6 | 592.7 | 590.8 | 583.3 |
| 5°    | 655.4  | 633.0  | 604.9 | 570.2 | 546.8 | 522.5 | 501.9 | 489.7 | 475.7 | 473.8 | 470.0 |
| 7.5°  | 611.4  | 583.3  | 536.5 | 495.3 | 455.1 | 416.7 | 397.9 | 374.5 | 358.6 | 346.4 | 340.8 |
| 10°   | 570.2  | 544.0  | 486.0 | 429.8 | 394.2 | 368.9 | 346.4 | 322.1 | 302.4 | 287.5 | 281.8 |
| 12.5° | 543.1  | 512.2  | 449.4 | 396.1 | 369.9 | 340.8 | 315.5 | 289.3 | 264.0 | 244.4 | 234.1 |
| 15°   | 530.9  | 501.9  | 438.2 | 379.2 | 340.8 | 300.6 | 271.5 | 245.3 | 214.4 | 200.4 | 195.7 |
| 17.5° | 559.9  | 516.9  | 434.5 | 359.6 | 305.2 | 259.4 | 223.8 | 195.7 | 173.2 | 159.2 | 153.6 |
| 20°   | 597.4  | 544.0  | 441.0 | 336.1 | 271.5 | 220.0 | 180.7 | 150.8 | 135.8 | 125.5 | 124.5 |
| 22.5° | 645.1  | 584.3  | 451.3 | 319.3 | 234.1 | 177.0 | 141.4 | 123.6 | 113.3 | 112.4 | 110.5 |
| 25°   | 730.3  | 657.3  | 468.2 | 296.8 | 204.1 | 146.1 | 120.8 | 110.5 | 105.8 | 103.0 | 104.9 |
| 27.5° | 803.4  | 705.1  | 480.3 | 282.8 | 191.9 | 137.6 | 117.0 | 105.8 | 101.1 | 100.2 | 101.1 |
| 30°   | 846.5  | 749.1  | 476.6 | 256.6 | 167.6 | 131.1 | 124.5 | 120.8 | 111.4 | 103.9 | 103.9 |
| 32.5° | 885.8  | 777.2  | 475.7 | 233.1 | 143.3 | 109.6 | 103.9 | 101.1 | 106.7 | 110.5 | 107.7 |
| 35°   | 940.1  | 821.2  | 472.9 | 220.0 | 133.0 | 101.1 | 91.8  | 84.3  | 80.5  | 78.7  | 81.5  |
| 37.5° | 998.1  | 851.1  | 465.4 | 218.2 | 127.3 | 96.4  | 89.0  | 81.5  | 77.7  | 75.8  | 74.9  |
| 40°   | 1061.8 | 883.0  | 456.9 | 208.8 | 124.5 | 93.6  | 86.1  | 79.6  | 74.9  | 72.1  | 71.2  |
| 42.5° | 1103.0 | 908.3  | 448.5 | 204.1 | 118.9 | 91.8  | 83.3  | 77.7  | 73.0  | 69.3  | 69.3  |
| 45°   | 1126.4 | 938.2  | 440.1 | 199.4 | 112.4 | 92.7  | 83.3  | 75.8  | 70.2  | 68.4  | 66.5  |
| 47.5° | 1136.7 | 960.7  | 437.3 | 191.9 | 106.7 | 89.0  | 81.5  | 74.0  | 68.4  | 64.6  | 63.7  |
| 50°   | 1163.9 | 1008.4 | 447.6 | 186.3 | 100.2 | 85.2  | 86.1  | 73.0  | 67.4  | 62.7  | 61.8  |
| 52.5° | 1179.8 | 1046.8 | 470.0 | 177.9 | 95.5  | 80.5  | 84.3  | 71.2  | 64.6  | 59.9  | 59.9  |
| 55°   | 1237.8 | 1110.5 | 494.4 | 171.4 | 89.9  | 74.0  | 77.7  | 67.4  | 59.9  | 57.1  | 57.1  |
| 57.5° | 1311.8 | 1177.9 | 515.0 | 168.5 | 86.1  | 69.3  | 69.3  | 65.5  | 57.1  | 53.4  | 52.4  |
| 60°   | 1363.3 | 1233.2 | 527.2 | 166.7 | 82.4  | 64.6  | 61.8  | 65.5  | 54.3  | 50.6  | 49.6  |
| 62.5° | 1368.9 | 1201.3 | 515.0 | 165.7 | 81.5  | 59.9  | 56.2  | 62.7  | 51.5  | 47.8  | 45.9  |
| 65°   | 1333.3 | 1136.7 | 481.3 | 162.0 | 80.5  | 55.2  | 52.4  | 54.3  | 47.8  | 44.9  | 43.1  |
| 67.5° | 1262.2 | 1031.8 | 432.6 | 160.1 | 79.6  | 51.5  | 47.8  | 46.8  | 44.0  | 41.2  | 39.3  |
| 70°   | 1096.5 | 895.1  | 375.5 | 151.7 | 77.7  | 48.7  | 43.1  | 42.1  | 39.3  | 37.5  | 36.5  |
| 72.5° | 920.4  | 732.2  | 309.9 | 140.5 | 74.0  | 44.0  | 39.3  | 37.5  | 36.5  | 33.7  | 32.8  |
| 75°   | 705.1  | 563.7  | 248.1 | 124.5 | 64.6  | 39.3  | 34.6  | 32.8  | 31.8  | 30.0  | 29.0  |
| 77.5° | 495.3  | 419.5  | 183.5 | 101.1 | 54.3  | 35.6  | 30.9  | 29.0  | 28.1  | 25.3  | 25.3  |
| 80°   | 336.1  | 294.0  | 124.5 | 70.2  | 42.1  | 29.0  | 27.2  | 25.3  | 23.4  | 21.5  | 21.5  |
| 82.5° | 208.8  | 206.0  | 89.9  | 45.9  | 30.9  | 23.4  | 21.5  | 21.5  | 18.7  | 16.9  | 16.9  |
| 85°   | 95.5   | 126.4  | 62.7  | 31.8  | 23.4  | 17.8  | 17.8  | 16.9  | 15.0  | 12.2  | 12.2  |
| 87.5° | 30.0   | 42.1   | 32.8  | 14.0  | 13.1  | 10.3  | 10.3  | 9.4   | 9.4   | 7.5   | 7.5   |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 |
| 2.5°  | 590.8 | 589.9 | 589.9 | 586.1 | 595.5 | 595.5 | 601.1 | 596.4 | 599.3 | 600.2 | 607.7 |
| 5°    | 469.1 | 476.6 | 482.2 | 493.5 | 500.0 | 502.8 | 502.8 | 510.3 | 507.5 | 513.1 | 524.4 |
| 7.5°  | 343.6 | 353.0 | 369.9 | 383.9 | 395.1 | 398.9 | 397.9 | 399.8 | 402.6 | 396.1 | 397.9 |
| 10°   | 278.1 | 271.5 | 277.2 | 290.3 | 300.6 | 312.7 | 303.4 | 302.4 | 305.2 | 302.4 | 308.1 |
| 12.5° | 232.2 | 224.7 | 220.0 | 220.0 | 227.5 | 233.1 | 230.3 | 235.0 | 245.3 | 248.1 | 254.7 |
| 15°   | 188.2 | 181.7 | 177.9 | 173.2 | 180.7 | 182.6 | 185.4 | 191.9 | 199.4 | 203.2 | 210.7 |
| 17.5° | 150.8 | 150.8 | 150.8 | 147.0 | 149.8 | 152.6 | 153.6 | 162.0 | 162.9 | 166.7 | 169.5 |
| 20°   | 123.6 | 126.4 | 131.1 | 133.0 | 135.8 | 135.8 | 133.9 | 138.6 | 134.8 | 137.6 | 139.5 |
| 22.5° | 111.4 | 115.2 | 117.0 | 118.0 | 121.7 | 122.7 | 118.0 | 118.9 | 119.9 | 117.0 | 118.0 |
| 25°   | 104.9 | 106.7 | 104.9 | 105.8 | 106.7 | 104.9 | 105.8 | 107.7 | 106.7 | 108.6 | 107.7 |
| 27.5° | 102.1 | 100.2 | 99.3  | 98.3  | 98.3  | 96.4  | 97.4  | 97.4  | 99.3  | 100.2 | 100.2 |
| 30°   | 102.1 | 99.3  | 95.5  | 92.7  | 92.7  | 89.9  | 91.8  | 93.6  | 94.6  | 96.4  | 96.4  |
| 32.5° | 104.9 | 99.3  | 92.7  | 89.9  | 87.1  | 85.2  | 87.1  | 89.9  | 93.6  | 94.6  | 95.5  |
| 35°   | 83.3  | 86.1  | 85.2  | 81.5  | 80.5  | 80.5  | 79.6  | 79.6  | 76.8  | 76.8  | 75.8  |
| 37.5° | 74.9  | 74.0  | 75.8  | 76.8  | 77.7  | 74.9  | 74.9  | 71.2  | 70.2  | 71.2  | 71.2  |
| 40°   | 70.2  | 70.2  | 70.2  | 73.0  | 74.0  | 72.1  | 69.3  | 67.4  | 67.4  | 67.4  | 68.4  |
| 42.5° | 68.4  | 66.5  | 65.5  | 67.4  | 70.2  | 68.4  | 65.5  | 64.6  | 64.6  | 65.5  | 65.5  |
| 45°   | 65.5  | 64.6  | 63.7  | 62.7  | 66.5  | 63.7  | 62.7  | 61.8  | 61.8  | 61.8  | 62.7  |
| 47.5° | 62.7  | 61.8  | 59.9  | 59.9  | 60.9  | 59.9  | 59.0  | 59.0  | 59.0  | 60.9  | 60.9  |
| 50°   | 60.9  | 59.9  | 58.1  | 58.1  | 58.1  | 58.1  | 57.1  | 57.1  | 57.1  | 58.1  | 59.0  |
| 52.5° | 58.1  | 57.1  | 56.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 56.2  | 57.1  |
| 55°   | 55.2  | 54.3  | 53.4  | 53.4  | 54.3  | 54.3  | 53.4  | 54.3  | 53.4  | 54.3  | 55.2  |
| 57.5° | 52.4  | 51.5  | 50.6  | 51.5  | 52.4  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 52.4  |
| 60°   | 48.7  | 48.7  | 48.7  | 48.7  | 50.6  | 50.6  | 50.6  | 50.6  | 48.7  | 49.6  | 50.6  |
| 62.5° | 46.8  | 45.9  | 45.9  | 46.8  | 47.8  | 47.8  | 48.7  | 47.8  | 46.8  | 47.8  | 47.8  |
| 65°   | 43.1  | 43.1  | 43.1  | 44.0  | 44.0  | 44.9  | 44.9  | 44.9  | 44.0  | 44.9  | 44.9  |
| 67.5° | 40.3  | 40.3  | 40.3  | 40.3  | 42.1  | 42.1  | 42.1  | 42.1  | 41.2  | 41.2  | 42.1  |
| 70°   | 35.6  | 36.5  | 35.6  | 37.5  | 39.3  | 38.4  | 39.3  | 39.3  | 38.4  | 37.5  | 39.3  |
| 72.5° | 32.8  | 32.8  | 32.8  | 32.8  | 35.6  | 35.6  | 35.6  | 36.5  | 35.6  | 34.6  | 35.6  |
| 75°   | 29.0  | 29.0  | 29.0  | 30.0  | 31.8  | 31.8  | 31.8  | 31.8  | 31.8  | 30.9  | 30.9  |
| 77.5° | 25.3  | 26.2  | 25.3  | 26.2  | 28.1  | 27.2  | 28.1  | 29.0  | 28.1  | 27.2  | 27.2  |
| 80°   | 21.5  | 21.5  | 21.5  | 22.5  | 23.4  | 23.4  | 23.4  | 24.3  | 23.4  | 22.5  | 22.5  |
| 82.5° | 16.9  | 16.9  | 17.8  | 17.8  | 18.7  | 18.7  | 18.7  | 19.7  | 18.7  | 17.8  | 17.8  |
| 85°   | 13.1  | 13.1  | 13.1  | 14.0  | 14.0  | 15.0  | 15.0  | 15.9  | 15.9  | 15.0  | 15.0  |
| 87.5° | 8.4   | 7.5   | 8.4   | 8.4   | 9.4   | 9.4   | 8.4   | 7.5   | 8.4   | 7.5   | 6.6   |
| 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):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2 | 674.2  | 674.2  | 674.2  |
| 2.5°  | 615.2 | 632.0 | 644.2 | 652.6 | 664.8 | 688.2 | 697.6 | 714.4  | 719.1  | 721.9  |
| 5°    | 529.0 | 546.8 | 573.0 | 591.8 | 613.3 | 657.3 | 691.0 | 716.3  | 727.5  | 737.8  |
| 7.5°  | 414.8 | 438.2 | 465.4 | 489.7 | 525.3 | 579.6 | 623.6 | 676.0  | 695.7  | 706.0  |
| 10°   | 324.0 | 345.5 | 375.5 | 405.4 | 455.1 | 500.9 | 563.7 | 611.4  | 638.6  | 646.1  |
| 12.5° | 273.4 | 298.7 | 334.3 | 370.8 | 401.7 | 454.1 | 517.8 | 587.1  | 612.4  | 617.0  |
| 15°   | 232.2 | 266.9 | 303.4 | 340.8 | 376.4 | 422.3 | 490.6 | 574.9  | 612.4  | 617.0  |
| 17.5° | 191.9 | 222.8 | 265.9 | 306.2 | 347.4 | 410.1 | 495.3 | 585.2  | 622.7  | 636.7  |
| 20°   | 152.6 | 182.6 | 216.3 | 266.9 | 323.0 | 389.5 | 505.6 | 619.9  | 669.5  | 684.5  |
| 22.5° | 126.4 | 139.5 | 172.3 | 221.0 | 287.5 | 375.5 | 515.9 | 674.2  | 726.6  | 732.2  |
| 25°   | 110.5 | 119.9 | 140.5 | 186.3 | 259.4 | 366.1 | 540.3 | 736.9  | 804.3  | 804.3  |
| 27.5° | 103.0 | 106.7 | 120.8 | 162.0 | 239.7 | 357.7 | 564.6 | 806.2  | 868.9  | 882.0  |
| 30°   | 101.1 | 110.5 | 118.0 | 144.2 | 218.2 | 334.3 | 587.1 | 860.5  | 925.1  | 926.0  |
| 32.5° | 99.3  | 97.4  | 103.0 | 125.5 | 191.9 | 309.9 | 605.8 | 915.7  | 966.3  | 969.1  |
| 35°   | 77.7  | 81.5  | 90.8  | 110.5 | 172.3 | 292.1 | 615.2 | 945.7  | 1018.7 | 1021.5 |
| 37.5° | 73.0  | 77.7  | 85.2  | 102.1 | 159.2 | 277.2 | 618.0 | 1003.8 | 1074.0 | 1079.6 |
| 40°   | 71.2  | 74.9  | 80.5  | 94.6  | 148.9 | 258.4 | 623.6 | 1063.7 | 1155.4 | 1148.0 |
| 42.5° | 67.4  | 72.1  | 77.7  | 90.8  | 140.5 | 244.4 | 624.5 | 1096.5 | 1198.5 | 1198.5 |
| 45°   | 66.5  | 69.3  | 75.8  | 90.8  | 131.1 | 232.2 | 609.6 | 1129.2 | 1248.1 | 1233.2 |
| 47.5° | 62.7  | 68.4  | 74.0  | 88.0  | 119.9 | 220.0 | 591.8 | 1146.1 | 1254.7 | 1250.0 |
| 50°   | 61.8  | 67.4  | 76.8  | 83.3  | 113.3 | 214.4 | 588.0 | 1188.2 | 1267.8 | 1266.9 |
| 52.5° | 59.9  | 65.5  | 79.6  | 79.6  | 104.9 | 206.9 | 605.8 | 1206.9 | 1270.6 | 1278.1 |
| 55°   | 57.1  | 65.5  | 74.0  | 73.0  | 97.4  | 197.6 | 625.5 | 1255.6 | 1320.2 | 1318.4 |
| 57.5° | 55.2  | 63.7  | 70.2  | 66.5  | 89.0  | 191.0 | 654.5 | 1302.4 | 1380.2 | 1367.1 |
| 60°   | 52.4  | 63.7  | 62.7  | 61.8  | 82.4  | 185.4 | 678.8 | 1311.8 | 1393.3 | 1401.7 |
| 62.5° | 50.6  | 66.5  | 55.2  | 57.1  | 76.8  | 182.6 | 668.5 | 1241.6 | 1375.5 | 1383.0 |
| 65°   | 48.7  | 57.1  | 50.6  | 52.4  | 74.9  | 177.0 | 628.3 | 1157.3 | 1298.7 | 1331.5 |
| 67.5° | 44.9  | 46.8  | 46.8  | 48.7  | 73.0  | 163.9 | 545.9 | 1005.6 | 1181.7 | 1199.5 |
| 70°   | 41.2  | 42.1  | 42.1  | 44.9  | 71.2  | 148.9 | 450.4 | 869.9  | 1025.3 | 1059.0 |
| 72.5° | 37.5  | 37.5  | 37.5  | 41.2  | 65.5  | 136.7 | 370.8 | 668.5  | 852.1  | 875.5  |
| 75°   | 32.8  | 32.8  | 32.8  | 36.5  | 59.0  | 124.5 | 292.1 | 497.2  | 627.3  | 661.1  |
| 77.5° | 29.0  | 29.0  | 28.1  | 32.8  | 51.5  | 101.1 | 210.7 | 351.1  | 442.0  | 470.0  |
| 80°   | 24.3  | 23.4  | 23.4  | 26.2  | 40.3  | 73.0  | 135.8 | 248.1  | 308.1  | 320.2  |
| 82.5° | 19.7  | 18.7  | 17.8  | 19.7  | 29.0  | 45.9  | 84.3  | 173.2  | 197.6  | 190.1  |
| 85°   | 18.7  | 19.7  | 15.9  | 15.0  | 20.6  | 30.0  | 53.4  | 106.7  | 89.0   | 89.0   |
| 87.5° | 7.5   | 6.6   | 6.6   | 5.6   | 10.3  | 11.2  | 23.4  | 19.7   | 15.0   | 15.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)