

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: P676253

Luminaire Tested: **CCW-SA-1B-730-U-T2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676253  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-730-U-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T2 distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

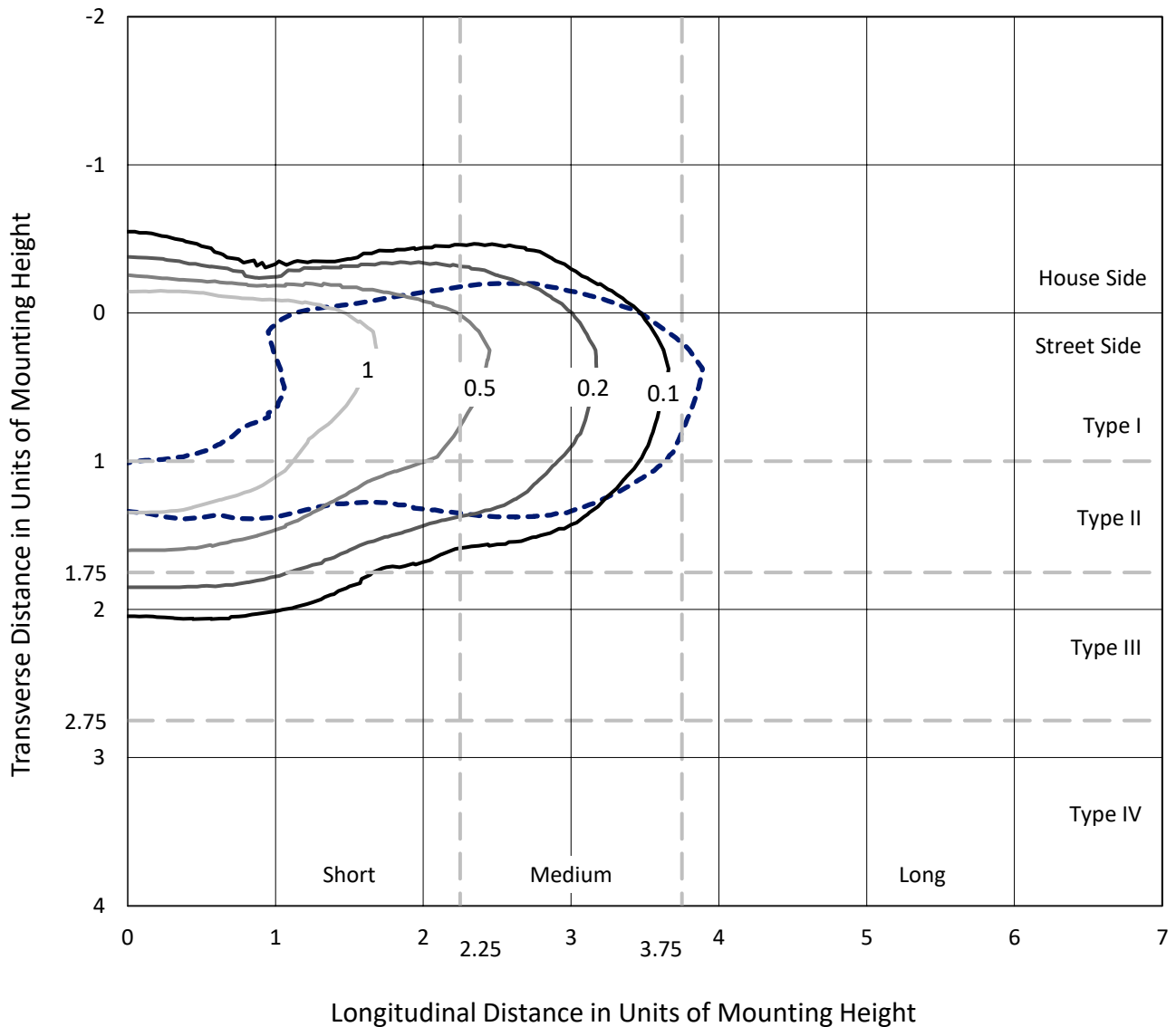
Lumens per Lamp: N/A  
Luminaire Lumens: 2427.9 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

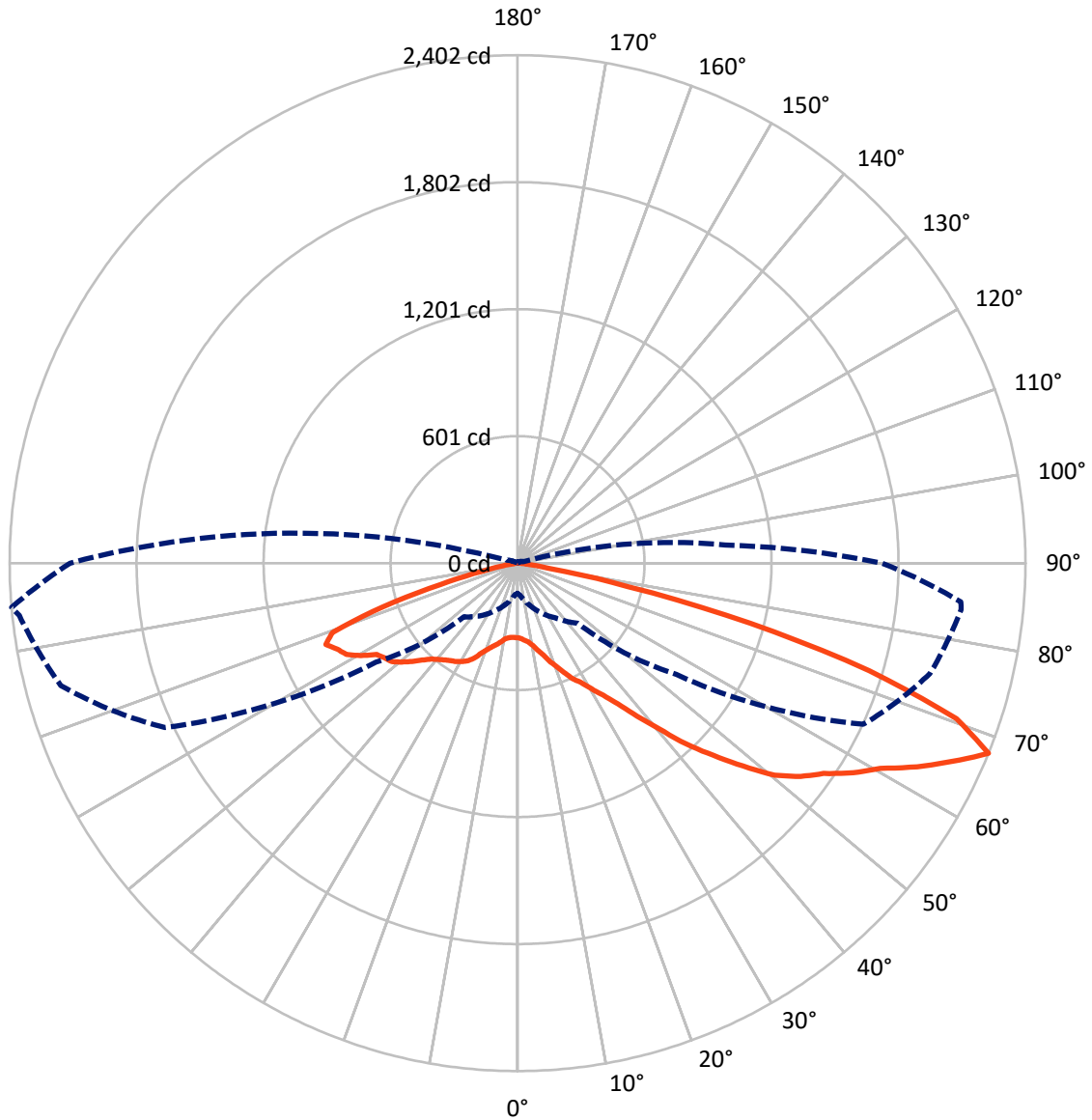
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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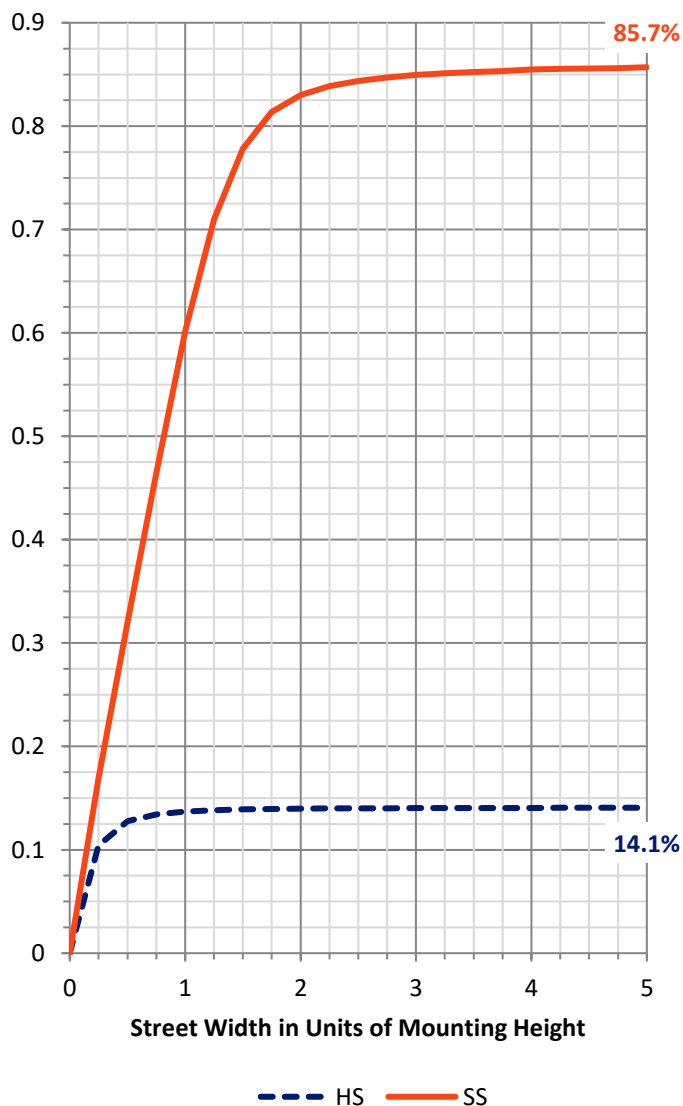
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 344.9    | 0.0    | 344.9  |
|                    | % Fixture | 14.2     | 0.0    | 14.2   |
| <b>Street Side</b> | Lumens    | 2083.0   | 0.0    | 2083.0 |
|                    | % Fixture | 85.8     | 0.0    | 85.8   |
| <b>Total</b>       | Lumens    | 2427.9   | 0.0    | 2427.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.2   | 1.3       |
| 10°-20°   | 86.6   | 3.6       |
| 20°-30°   | 143.8  | 5.9       |
| 30°-40°   | 247.3  | 10.2      |
| 40°-50°   | 444.5  | 18.3      |
| 50°-60°   | 632.8  | 26.1      |
| 60°-70°   | 576.9  | 23.8      |
| 70°-80°   | 245.7  | 10.1      |
| 80°-90°   | 18.3   | 0.8       |
| 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°    | 2427.9 | 100.0     |
| 0°-180°   | 2427.9 | 100.0     |



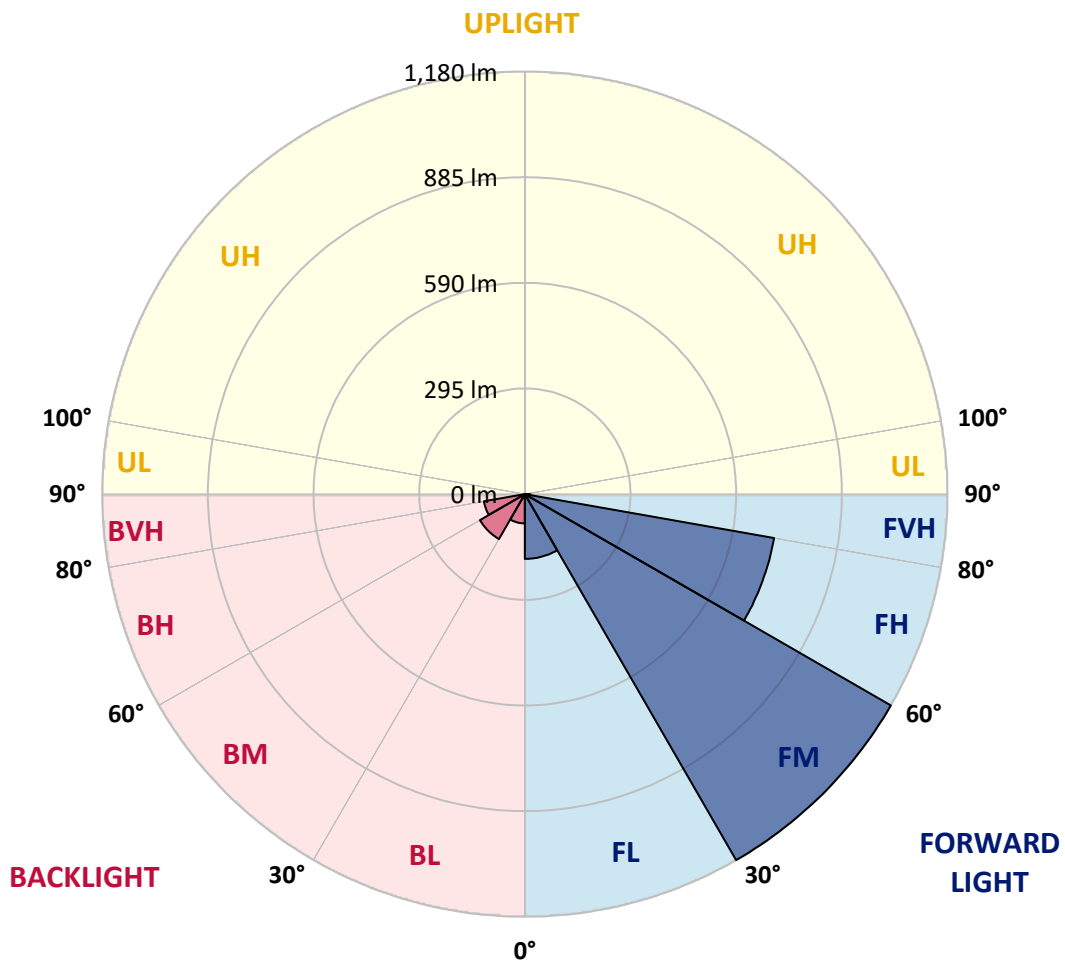
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 180.9  | 7.4       |                         |      |         |
| FM (30°-60°)   | 1180.0 | 48.6      |                         |      |         |
| FH (60°-80°)   | 706.6  | 29.1      |                         |      | G1/1800 |
| FVH (80°-90°)  | 15.5   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 81.7   | 3.4       | B0/110                  |      |         |
| BM (30°-60°)   | 144.6  | 6.0       | B0/220                  |      |         |
| BH (60°-80°)   | 115.9  | 4.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 2.8    | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 84°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  |
| 2.5°  | 365.8  | 369.3  | 369.3  | 368.1  | 364.6  | 362.3  | 361.2  | 358.8  | 356.5  | 356.5  | 357.7  |
| 5°    | 369.3  | 365.8  | 370.4  | 364.6  | 364.6  | 364.6  | 369.3  | 366.9  | 365.8  | 360.0  | 360.0  |
| 7.5°  | 369.3  | 365.8  | 365.8  | 369.3  | 365.8  | 368.1  | 373.9  | 371.6  | 376.2  | 365.8  | 368.1  |
| 10°   | 358.8  | 357.7  | 360.0  | 364.6  | 365.8  | 370.4  | 376.2  | 387.8  | 388.9  | 382.0  | 380.8  |
| 12.5° | 338.0  | 336.9  | 345.0  | 347.3  | 361.2  | 372.7  | 390.1  | 399.4  | 409.8  | 406.3  | 399.4  |
| 15°   | 323.0  | 325.3  | 331.1  | 340.3  | 353.1  | 373.9  | 393.6  | 414.4  | 432.9  | 428.3  | 426.0  |
| 17.5° | 328.7  | 327.6  | 328.7  | 334.5  | 350.7  | 371.6  | 405.1  | 429.5  | 456.1  | 456.1  | 458.4  |
| 20°   | 346.1  | 349.6  | 348.4  | 345.0  | 353.1  | 370.4  | 405.1  | 448.0  | 492.0  | 488.5  | 488.5  |
| 22.5° | 376.2  | 377.4  | 370.4  | 368.1  | 366.9  | 377.4  | 412.1  | 471.1  | 522.1  | 529.0  | 526.7  |
| 25°   | 407.5  | 408.6  | 406.3  | 399.4  | 390.1  | 392.4  | 424.8  | 489.7  | 563.7  | 575.3  | 573.0  |
| 27.5° | 459.6  | 458.4  | 452.6  | 444.5  | 430.6  | 420.2  | 444.5  | 503.5  | 596.1  | 615.8  | 610.0  |
| 30°   | 511.6  | 508.2  | 500.1  | 489.7  | 476.9  | 457.2  | 468.8  | 530.2  | 636.7  | 655.2  | 642.5  |
| 32.5° | 575.3  | 568.4  | 570.7  | 554.5  | 527.9  | 496.6  | 494.3  | 554.5  | 669.1  | 695.7  | 685.3  |
| 35°   | 656.3  | 648.2  | 636.7  | 621.6  | 596.1  | 554.5  | 541.7  | 593.8  | 723.5  | 743.2  | 743.2  |
| 37.5° | 762.8  | 770.9  | 757.1  | 694.5  | 666.8  | 627.4  | 600.8  | 634.3  | 770.9  | 818.4  | 806.8  |
| 40°   | 871.7  | 878.6  | 853.1  | 806.8  | 746.6  | 698.0  | 681.8  | 700.3  | 842.7  | 899.4  | 877.4  |
| 42.5° | 959.6  | 968.9  | 959.6  | 899.4  | 852.0  | 789.5  | 760.5  | 777.9  | 935.3  | 1003.6 | 974.7  |
| 45°   | 1052.2 | 1061.5 | 1051.1 | 1011.7 | 965.4  | 929.5  | 856.6  | 878.6  | 1032.6 | 1134.4 | 1102.0 |
| 47.5° | 1121.7 | 1133.3 | 1114.7 | 1106.6 | 1069.6 | 1063.8 | 939.9  | 964.3  | 1134.4 | 1266.4 | 1225.9 |
| 50°   | 1137.9 | 1150.6 | 1166.8 | 1176.1 | 1163.4 | 1177.2 | 1052.2 | 1073.1 | 1240.9 | 1387.9 | 1348.6 |
| 52.5° | 1099.7 | 1112.4 | 1148.3 | 1191.1 | 1250.2 | 1291.8 | 1165.7 | 1183.0 | 1352.0 | 1488.6 | 1467.8 |
| 55°   | 987.4  | 999.0  | 1071.9 | 1129.8 | 1271.0 | 1339.3 | 1274.5 | 1347.4 | 1431.9 | 1594.0 | 1543.0 |
| 57.5° | 798.7  | 812.6  | 908.7  | 997.8  | 1201.6 | 1312.7 | 1339.3 | 1484.0 | 1563.9 | 1671.5 | 1612.5 |
| 60°   | 567.2  | 575.3  | 658.7  | 816.1  | 1009.4 | 1179.6 | 1326.6 | 1585.9 | 1668.1 | 1775.7 | 1744.5 |
| 62.5° | 326.4  | 333.4  | 420.2  | 568.4  | 761.7  | 985.1  | 1269.9 | 1681.9 | 1780.3 | 1890.3 | 1872.9 |
| 65°   | 216.5  | 218.8  | 277.8  | 358.8  | 495.4  | 725.8  | 1126.3 | 1767.6 | 1891.5 | 1981.8 | 1962.1 |
| 67.5° | 142.4  | 155.1  | 201.4  | 257.0  | 317.2  | 401.7  | 918.0  | 1803.5 | 2018.8 | 2109.1 | 2104.5 |
| 70°   | 101.9  | 106.5  | 144.7  | 197.9  | 238.5  | 225.7  | 537.1  | 1550.0 | 2013.0 | 2143.8 | 2105.6 |
| 72.5° | 60.2   | 64.8   | 96.1   | 148.2  | 187.5  | 143.5  | 251.2  | 1096.2 | 1668.1 | 1710.9 | 1700.5 |
| 75°   | 44.0   | 44.0   | 59.0   | 106.5  | 136.6  | 103.0  | 118.1  | 693.4  | 1107.8 | 1202.7 | 1201.6 |
| 77.5° | 31.3   | 32.4   | 40.5   | 63.7   | 105.3  | 75.2   | 64.8   | 385.5  | 605.4  | 662.1  | 630.9  |
| 80°   | 18.5   | 19.7   | 27.8   | 38.2   | 76.4   | 54.4   | 42.8   | 176.0  | 232.7  | 235.0  | 223.4  |
| 82.5° | 13.9   | 13.9   | 18.5   | 26.6   | 53.2   | 37.0   | 26.6   | 67.1   | 75.2   | 68.3   | 57.9   |
| 85°   | 8.1    | 6.9    | 13.9   | 19.7   | 31.3   | 20.8   | 18.5   | 31.3   | 34.7   | 25.5   | 23.2   |
| 87.5° | 2.3    | 2.3    | 5.8    | 6.9    | 13.9   | 11.6   | 8.1    | 11.6   | 16.2   | 9.3    | 6.9    |
| 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°    | 353.1  | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 |
| 2.5°  | 355.4  | 351.9 | 346.1 | 343.8 | 335.7 | 332.2 | 329.9 | 324.1 | 325.3 | 321.8 | 321.8 |
| 5°    | 351.9  | 351.9 | 340.3 | 327.6 | 314.9 | 306.8 | 297.5 | 285.9 | 285.9 | 281.3 | 282.4 |
| 7.5°  | 364.6  | 355.4 | 340.3 | 317.2 | 296.3 | 277.8 | 269.7 | 258.1 | 251.2 | 247.7 | 247.7 |
| 10°   | 372.7  | 363.5 | 338.0 | 310.2 | 283.6 | 260.5 | 243.1 | 226.9 | 217.6 | 217.6 | 216.5 |
| 12.5° | 394.7  | 380.8 | 347.3 | 309.1 | 269.7 | 235.0 | 208.4 | 189.8 | 177.1 | 167.8 | 170.2 |
| 15°   | 413.3  | 398.2 | 351.9 | 299.8 | 245.4 | 196.8 | 164.4 | 129.6 | 112.3 | 103.0 | 99.6  |
| 17.5° | 442.2  | 414.4 | 362.3 | 283.6 | 208.4 | 154.0 | 106.5 | 77.6  | 70.6  | 69.5  | 69.5  |
| 20°   | 466.5  | 434.1 | 363.5 | 252.4 | 171.3 | 98.4  | 68.3  | 63.7  | 60.2  | 59.0  | 57.9  |
| 22.5° | 500.1  | 459.6 | 358.8 | 216.5 | 122.7 | 66.0  | 57.9  | 53.2  | 50.9  | 47.5  | 47.5  |
| 25°   | 534.8  | 493.1 | 349.6 | 182.9 | 75.2  | 56.7  | 50.9  | 46.3  | 41.7  | 39.4  | 40.5  |
| 27.5° | 571.8  | 518.6 | 323.0 | 142.4 | 57.9  | 49.8  | 41.7  | 38.2  | 35.9  | 34.7  | 34.7  |
| 30°   | 601.9  | 534.8 | 283.6 | 94.9  | 52.1  | 44.0  | 37.0  | 33.6  | 31.3  | 30.1  | 30.1  |
| 32.5° | 623.9  | 548.7 | 239.6 | 63.7  | 47.5  | 39.4  | 33.6  | 30.1  | 27.8  | 26.6  | 26.6  |
| 35°   | 661.0  | 559.1 | 199.1 | 54.4  | 42.8  | 34.7  | 28.9  | 26.6  | 24.3  | 24.3  | 24.3  |
| 37.5° | 717.7  | 573.0 | 158.6 | 49.8  | 39.4  | 31.3  | 27.8  | 24.3  | 23.2  | 22.0  | 22.0  |
| 40°   | 767.5  | 590.4 | 113.4 | 45.1  | 35.9  | 28.9  | 24.3  | 22.0  | 20.8  | 19.7  | 19.7  |
| 42.5° | 839.2  | 610.0 | 74.1  | 40.5  | 32.4  | 26.6  | 22.0  | 19.7  | 18.5  | 17.4  | 17.4  |
| 45°   | 930.7  | 642.5 | 57.9  | 35.9  | 28.9  | 24.3  | 20.8  | 18.5  | 16.2  | 16.2  | 15.0  |
| 47.5° | 1027.9 | 681.8 | 52.1  | 33.6  | 26.6  | 22.0  | 18.5  | 16.2  | 15.0  | 13.9  | 13.9  |
| 50°   | 1118.2 | 720.0 | 48.6  | 31.3  | 24.3  | 20.8  | 17.4  | 15.0  | 12.7  | 11.6  | 11.6  |
| 52.5° | 1199.2 | 755.9 | 46.3  | 28.9  | 23.2  | 18.5  | 15.0  | 12.7  | 11.6  | 10.4  | 10.4  |
| 55°   | 1242.1 | 772.1 | 45.1  | 27.8  | 20.8  | 17.4  | 13.9  | 11.6  | 10.4  | 9.3   | 9.3   |
| 57.5° | 1309.2 | 792.9 | 44.0  | 26.6  | 19.7  | 15.0  | 12.7  | 10.4  | 9.3   | 8.1   | 8.1   |
| 60°   | 1418.0 | 861.2 | 42.8  | 25.5  | 18.5  | 15.0  | 11.6  | 9.3   | 6.9   | 5.8   | 5.8   |
| 62.5° | 1508.3 | 918.0 | 38.2  | 22.0  | 16.2  | 12.7  | 9.3   | 6.9   | 4.6   | 3.5   | 3.5   |
| 65°   | 1611.3 | 944.6 | 33.6  | 19.7  | 13.9  | 10.4  | 6.9   | 4.6   | 3.5   | 1.2   | 1.2   |
| 67.5° | 1723.6 | 985.1 | 27.8  | 17.4  | 12.7  | 8.1   | 5.8   | 3.5   | 1.2   | 0.0   | 0.0   |
| 70°   | 1664.6 | 934.2 | 23.2  | 15.0  | 11.6  | 6.9   | 4.6   | 2.3   | 0.0   | 0.0   | 0.0   |
| 72.5° | 1304.6 | 669.1 | 18.5  | 13.9  | 10.4  | 6.9   | 4.6   | 1.2   | 0.0   | 0.0   | 0.0   |
| 75°   | 871.7  | 378.5 | 16.2  | 11.6  | 8.1   | 5.8   | 3.5   | 1.2   | 0.0   | 0.0   | 0.0   |
| 77.5° | 473.4  | 170.2 | 13.9  | 10.4  | 6.9   | 4.6   | 3.5   | 1.2   | 0.0   | 0.0   | 0.0   |
| 80°   | 154.0  | 67.1  | 11.6  | 9.3   | 6.9   | 4.6   | 3.5   | 1.2   | 0.0   | 0.0   | 0.0   |
| 82.5° | 41.7   | 20.8  | 11.6  | 9.3   | 6.9   | 4.6   | 3.5   | 1.2   | 0.0   | 0.0   | 0.0   |
| 85°   | 17.4   | 13.9  | 11.6  | 9.3   | 6.9   | 4.6   | 3.5   | 1.2   | 0.0   | 0.0   | 0.0   |
| 87.5° | 6.9    | 4.6   | 4.6   | 5.8   | 4.6   | 3.5   | 2.3   | 1.2   | 0.0   | 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   | 0.0   |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°   | 270°   | 275°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1 | 353.1  | 353.1  | 353.1  |
| 2.5°  | 323.0 | 325.3 | 326.4 | 326.4 | 332.2 | 338.0 | 345.0 | 350.7 | 350.7  | 354.2  | 357.7  |
| 5°    | 283.6 | 285.9 | 289.4 | 299.8 | 311.4 | 324.1 | 336.9 | 346.1 | 358.8  | 364.6  | 368.1  |
| 7.5°  | 251.2 | 253.5 | 262.8 | 273.2 | 289.4 | 311.4 | 333.4 | 354.2 | 366.9  | 372.7  | 377.4  |
| 10°   | 217.6 | 221.1 | 231.5 | 250.0 | 270.9 | 297.5 | 323.0 | 358.8 | 379.7  | 391.3  | 395.9  |
| 12.5° | 169.0 | 178.3 | 192.2 | 211.8 | 238.5 | 279.0 | 326.4 | 363.5 | 399.4  | 413.3  | 422.5  |
| 15°   | 106.5 | 114.6 | 136.6 | 167.8 | 203.7 | 251.2 | 317.2 | 370.4 | 420.2  | 434.1  | 449.1  |
| 17.5° | 68.3  | 69.5  | 76.4  | 110.0 | 156.3 | 216.5 | 303.3 | 380.8 | 443.3  | 463.0  | 486.2  |
| 20°   | 57.9  | 60.2  | 61.4  | 66.0  | 104.2 | 178.3 | 274.3 | 393.6 | 471.1  | 497.8  | 519.7  |
| 22.5° | 48.6  | 49.8  | 52.1  | 55.6  | 62.5  | 129.6 | 235.0 | 393.6 | 495.4  | 534.8  | 560.3  |
| 25°   | 39.4  | 41.7  | 44.0  | 47.5  | 54.4  | 81.0  | 194.5 | 386.6 | 524.4  | 573.0  | 605.4  |
| 27.5° | 34.7  | 34.7  | 37.0  | 40.5  | 46.3  | 56.7  | 154.0 | 365.8 | 546.4  | 596.1  | 639.0  |
| 30°   | 30.1  | 31.3  | 32.4  | 35.9  | 41.7  | 49.8  | 106.5 | 332.2 | 569.5  | 641.3  | 689.9  |
| 32.5° | 26.6  | 26.6  | 28.9  | 31.3  | 37.0  | 45.1  | 68.3  | 281.3 | 599.6  | 676.0  | 744.3  |
| 35°   | 24.3  | 24.3  | 25.5  | 27.8  | 33.6  | 40.5  | 53.2  | 238.5 | 635.5  | 742.0  | 817.2  |
| 37.5° | 22.0  | 22.0  | 23.2  | 25.5  | 30.1  | 35.9  | 48.6  | 204.9 | 672.5  | 808.0  | 918.0  |
| 40°   | 19.7  | 19.7  | 20.8  | 23.2  | 26.6  | 32.4  | 44.0  | 165.5 | 718.9  | 905.2  | 1027.9 |
| 42.5° | 17.4  | 17.4  | 18.5  | 20.8  | 24.3  | 28.9  | 38.2  | 123.9 | 780.2  | 1010.6 | 1170.3 |
| 45°   | 15.0  | 15.0  | 16.2  | 18.5  | 20.8  | 26.6  | 34.7  | 94.9  | 847.3  | 1127.5 | 1295.3 |
| 47.5° | 12.7  | 13.9  | 15.0  | 17.4  | 19.7  | 24.3  | 31.3  | 83.3  | 913.3  | 1251.3 | 1434.2 |
| 50°   | 11.6  | 11.6  | 12.7  | 15.0  | 18.5  | 22.0  | 28.9  | 82.2  | 980.5  | 1346.3 | 1576.6 |
| 52.5° | 10.4  | 10.4  | 11.6  | 13.9  | 17.4  | 20.8  | 27.8  | 84.5  | 1036.0 | 1434.2 | 1676.2 |
| 55°   | 9.3   | 9.3   | 10.4  | 11.6  | 15.0  | 19.7  | 25.5  | 86.8  | 1075.4 | 1523.4 | 1756.0 |
| 57.5° | 8.1   | 8.1   | 9.3   | 11.6  | 13.9  | 17.4  | 23.2  | 89.1  | 1139.0 | 1611.3 | 1871.8 |
| 60°   | 5.8   | 5.8   | 8.1   | 10.4  | 12.7  | 15.0  | 22.0  | 91.4  | 1240.9 | 1732.9 | 1970.2 |
| 62.5° | 3.5   | 3.5   | 4.6   | 8.1   | 10.4  | 13.9  | 19.7  | 86.8  | 1335.8 | 1889.2 | 2120.7 |
| 65°   | 1.2   | 2.3   | 3.5   | 4.6   | 8.1   | 11.6  | 16.2  | 78.7  | 1415.7 | 2045.4 | 2259.6 |
| 67.5° | 0.0   | 0.0   | 1.2   | 3.5   | 6.9   | 9.3   | 13.9  | 57.9  | 1428.4 | 2116.0 | 2402.0 |
| 70°   | 0.0   | 0.0   | 1.2   | 3.5   | 5.8   | 9.3   | 12.7  | 32.4  | 1216.6 | 1890.3 | 2201.7 |
| 72.5° | 0.0   | 0.0   | 0.0   | 2.3   | 5.8   | 8.1   | 11.6  | 24.3  | 897.1  | 1425.0 | 1739.8 |
| 75°   | 0.0   | 0.0   | 0.0   | 1.2   | 4.6   | 6.9   | 10.4  | 18.5  | 545.2  | 950.4  | 1135.6 |
| 77.5° | 0.0   | 0.0   | 0.0   | 1.2   | 3.5   | 6.9   | 10.4  | 16.2  | 192.2  | 452.6  | 533.6  |
| 80°   | 0.0   | 0.0   | 0.0   | 2.3   | 4.6   | 6.9   | 9.3   | 13.9  | 46.3   | 113.4  | 152.8  |
| 82.5° | 0.0   | 0.0   | 0.0   | 1.2   | 3.5   | 5.8   | 8.1   | 11.6  | 18.5   | 33.6   | 53.2   |
| 85°   | 0.0   | 0.0   | 0.0   | 1.2   | 2.3   | 5.8   | 8.1   | 10.4  | 12.7   | 16.2   | 23.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 1.2   | 2.3   | 3.5   | 4.6   | 4.6    | 4.6    | 8.1    |
| 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):**

|       | 276°   | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  | 353.1  |
| 2.5°  | 356.5  | 361.2  | 363.5  | 368.1  | 370.4  | 369.3  | 368.1  | 371.6  | 369.3  | 365.8  |
| 5°    | 369.3  | 369.3  | 372.7  | 373.9  | 373.9  | 370.4  | 372.7  | 371.6  | 369.3  | 369.3  |
| 7.5°  | 383.2  | 388.9  | 388.9  | 382.0  | 380.8  | 378.5  | 378.5  | 369.3  | 365.8  | 369.3  |
| 10°   | 397.0  | 401.7  | 402.8  | 394.7  | 384.3  | 379.7  | 373.9  | 362.3  | 356.5  | 358.8  |
| 12.5° | 426.0  | 426.0  | 413.3  | 404.0  | 390.1  | 373.9  | 360.0  | 343.8  | 335.7  | 338.0  |
| 15°   | 446.8  | 451.5  | 434.1  | 413.3  | 388.9  | 358.8  | 343.8  | 331.1  | 326.4  | 323.0  |
| 17.5° | 487.3  | 478.1  | 450.3  | 420.2  | 385.5  | 354.2  | 343.8  | 332.2  | 328.7  | 328.7  |
| 20°   | 522.1  | 517.4  | 475.8  | 421.4  | 384.3  | 363.5  | 356.5  | 350.7  | 349.6  | 346.1  |
| 22.5° | 569.5  | 548.7  | 495.4  | 434.1  | 397.0  | 378.5  | 376.2  | 382.0  | 378.5  | 376.2  |
| 25°   | 605.4  | 588.0  | 510.5  | 452.6  | 416.7  | 410.9  | 414.4  | 420.2  | 410.9  | 407.5  |
| 27.5° | 654.0  | 621.6  | 539.4  | 476.9  | 443.3  | 449.1  | 460.7  | 461.9  | 456.1  | 459.6  |
| 30°   | 699.2  | 664.4  | 561.4  | 504.7  | 488.5  | 494.3  | 511.6  | 524.4  | 516.3  | 511.6  |
| 32.5° | 764.0  | 710.7  | 605.4  | 551.0  | 545.2  | 560.3  | 579.9  | 588.0  | 577.6  | 575.3  |
| 35°   | 832.3  | 764.0  | 650.6  | 603.1  | 613.5  | 634.3  | 651.7  | 665.6  | 649.4  | 656.3  |
| 37.5° | 938.8  | 849.7  | 727.0  | 685.3  | 689.9  | 698.0  | 730.4  | 768.6  | 776.7  | 762.8  |
| 40°   | 1049.9 | 942.3  | 797.6  | 765.2  | 775.6  | 797.6  | 835.8  | 871.7  | 890.2  | 871.7  |
| 42.5° | 1178.4 | 1031.4 | 906.4  | 868.2  | 878.6  | 909.8  | 960.8  | 989.7  | 987.4  | 959.6  |
| 45°   | 1337.0 | 1155.3 | 1008.2 | 960.8  | 999.0  | 1026.8 | 1077.7 | 1081.2 | 1059.2 | 1052.2 |
| 47.5° | 1458.5 | 1259.4 | 1118.2 | 1088.1 | 1140.2 | 1141.4 | 1152.9 | 1154.1 | 1129.8 | 1121.7 |
| 50°   | 1592.8 | 1379.8 | 1240.9 | 1196.9 | 1284.9 | 1244.4 | 1213.1 | 1192.3 | 1155.3 | 1137.9 |
| 52.5° | 1724.8 | 1465.5 | 1354.4 | 1309.2 | 1400.7 | 1293.0 | 1236.3 | 1172.6 | 1118.2 | 1099.7 |
| 55°   | 1795.4 | 1606.7 | 1519.9 | 1414.6 | 1426.1 | 1306.9 | 1164.5 | 1084.6 | 992.0  | 987.4  |
| 57.5° | 1878.7 | 1701.6 | 1660.0 | 1486.3 | 1383.3 | 1209.7 | 1015.2 | 909.8  | 810.3  | 798.7  |
| 60°   | 1977.1 | 1852.1 | 1808.1 | 1474.7 | 1231.7 | 1016.3 | 804.5  | 669.1  | 575.3  | 567.2  |
| 62.5° | 2087.1 | 2030.4 | 1899.6 | 1361.3 | 978.1  | 715.4  | 531.3  | 417.9  | 331.1  | 326.4  |
| 65°   | 2260.7 | 2179.7 | 1948.2 | 1146.0 | 647.1  | 458.4  | 353.1  | 270.9  | 218.8  | 216.5  |
| 67.5° | 2369.5 | 2236.4 | 1839.4 | 817.2  | 358.8  | 303.3  | 247.7  | 196.8  | 151.6  | 142.4  |
| 70°   | 2215.6 | 2052.4 | 1455.1 | 467.7  | 208.4  | 230.4  | 191.0  | 132.0  | 104.2  | 101.9  |
| 72.5° | 1769.9 | 1523.4 | 979.3  | 219.9  | 129.6  | 180.6  | 138.9  | 89.1   | 62.5   | 60.2   |
| 75°   | 1207.3 | 958.5  | 614.7  | 101.9  | 91.4   | 132.0  | 101.9  | 52.1   | 44.0   | 44.0   |
| 77.5° | 539.4  | 488.5  | 314.9  | 62.5   | 68.3   | 100.7  | 59.0   | 35.9   | 32.4   | 31.3   |
| 80°   | 164.4  | 172.5  | 128.5  | 42.8   | 50.9   | 76.4   | 35.9   | 24.3   | 19.7   | 18.5   |
| 82.5° | 55.6   | 64.8   | 57.9   | 25.5   | 34.7   | 54.4   | 24.3   | 16.2   | 13.9   | 13.9   |
| 85°   | 26.6   | 32.4   | 28.9   | 16.2   | 18.5   | 26.6   | 19.7   | 12.7   | 8.1    | 8.1    |
| 87.5° | 10.4   | 15.0   | 10.4   | 6.9    | 10.4   | 13.9   | 8.1    | 5.8    | 2.3    | 2.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)