

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: P675842

Luminaire Tested: **CCW-SA-1A-740-U-SLL**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675842  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-740-U-SLL  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/  
SLL distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2270 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

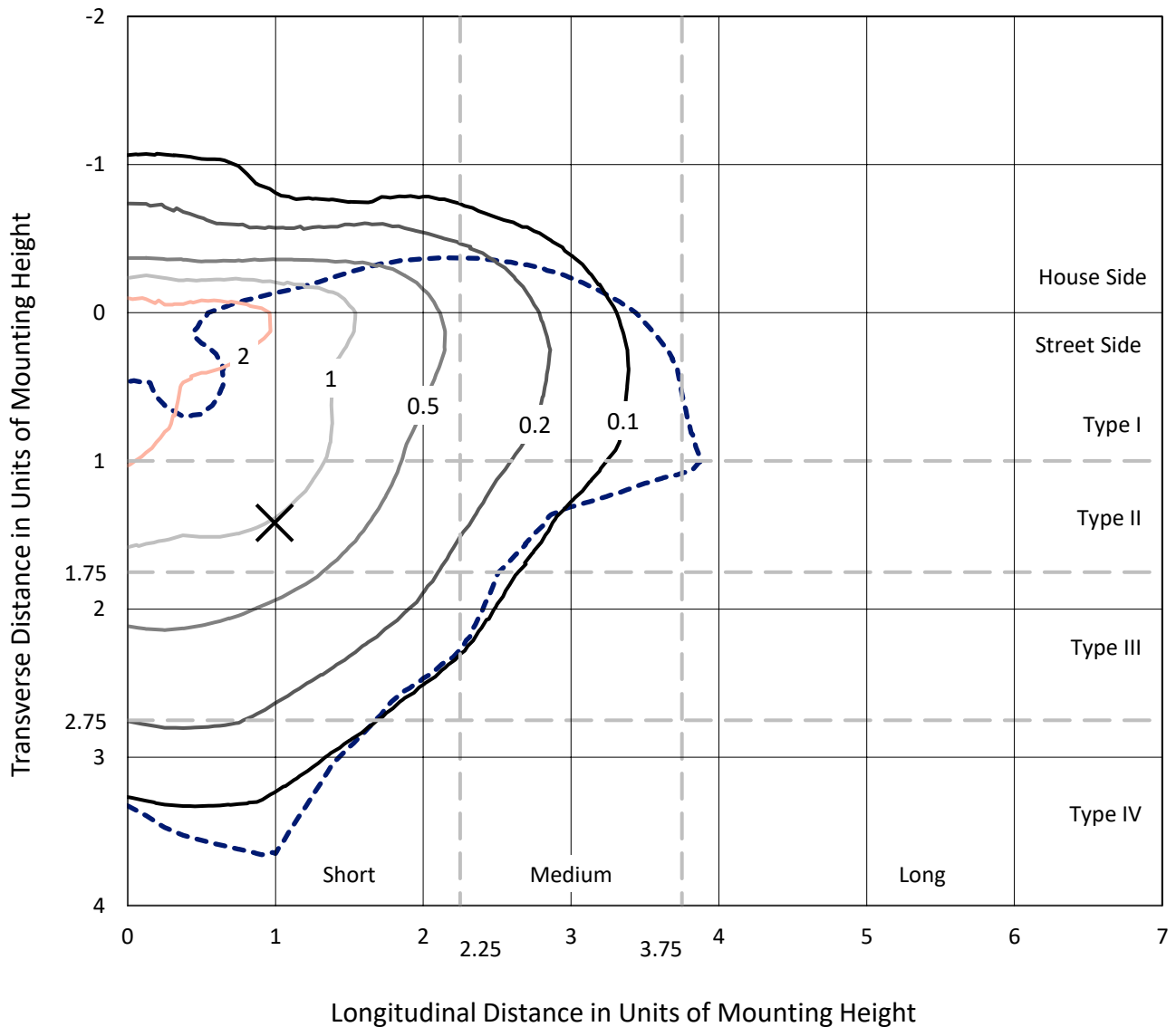
Input Watts (W): 18  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

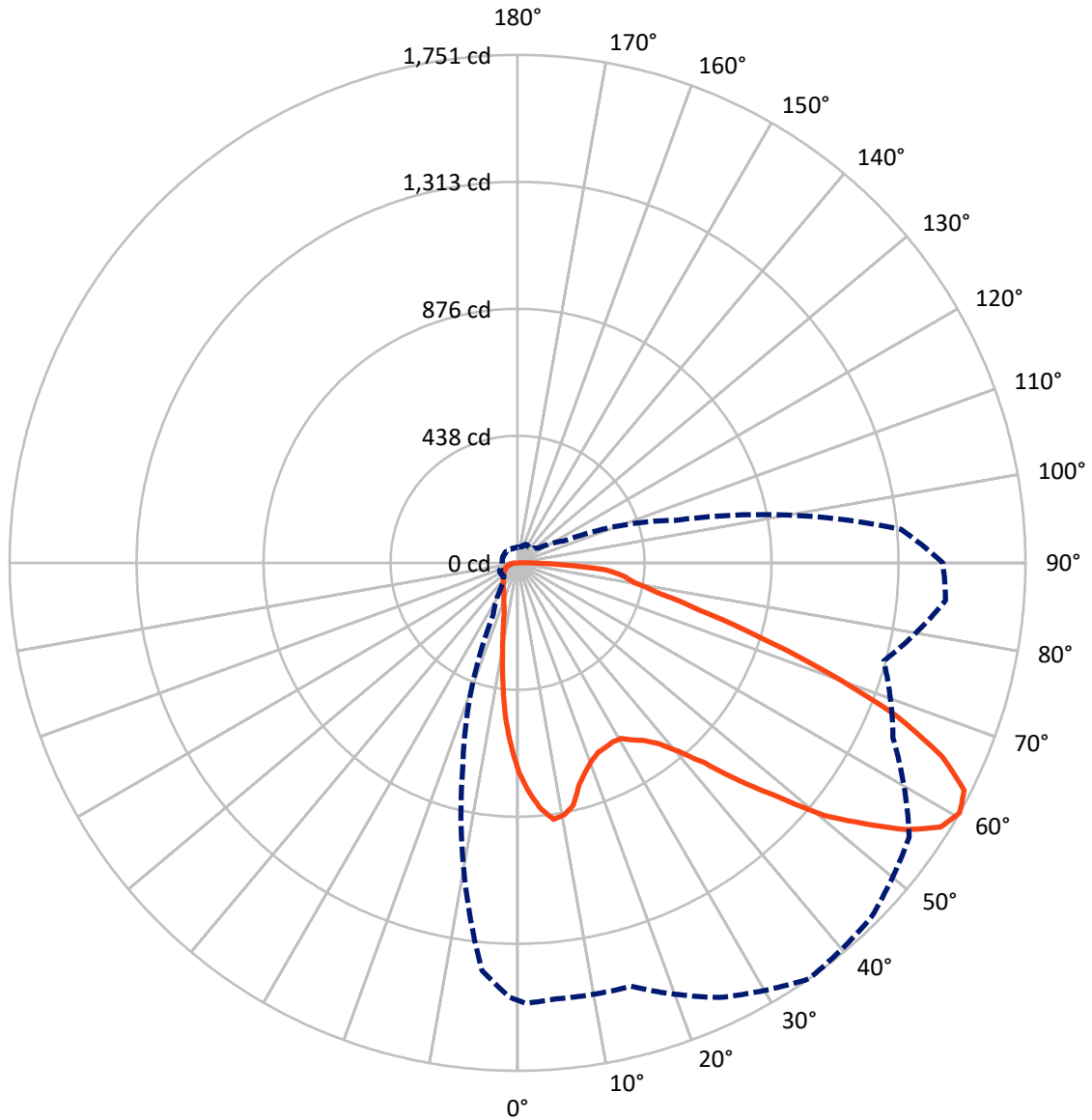
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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    | 432.0    | 0.0    | 432.0  |
|                    | % Fixture | 19.0     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 1838.0   | 0.0    | 1838.0 |
|                    | % Fixture | 81.0     | 0.0    | 81.0   |
| <b>Total</b>       | Lumens    | 2270.0   | 0.0    | 2270.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.3   | 2.5       |
| 10°-20°   | 118.9  | 5.2       |
| 20°-30°   | 174.0  | 7.7       |
| 30°-40°   | 245.1  | 10.8      |
| 40°-50°   | 336.9  | 14.8      |
| 50°-60°   | 459.2  | 20.2      |
| 60°-70°   | 502.5  | 22.1      |
| 70°-80°   | 290.1  | 12.8      |
| 80°-90°   | 86.9   | 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°    | 2270.0 | 100.0     |
| 0°-180°   | 2270.0 | 100.0     |

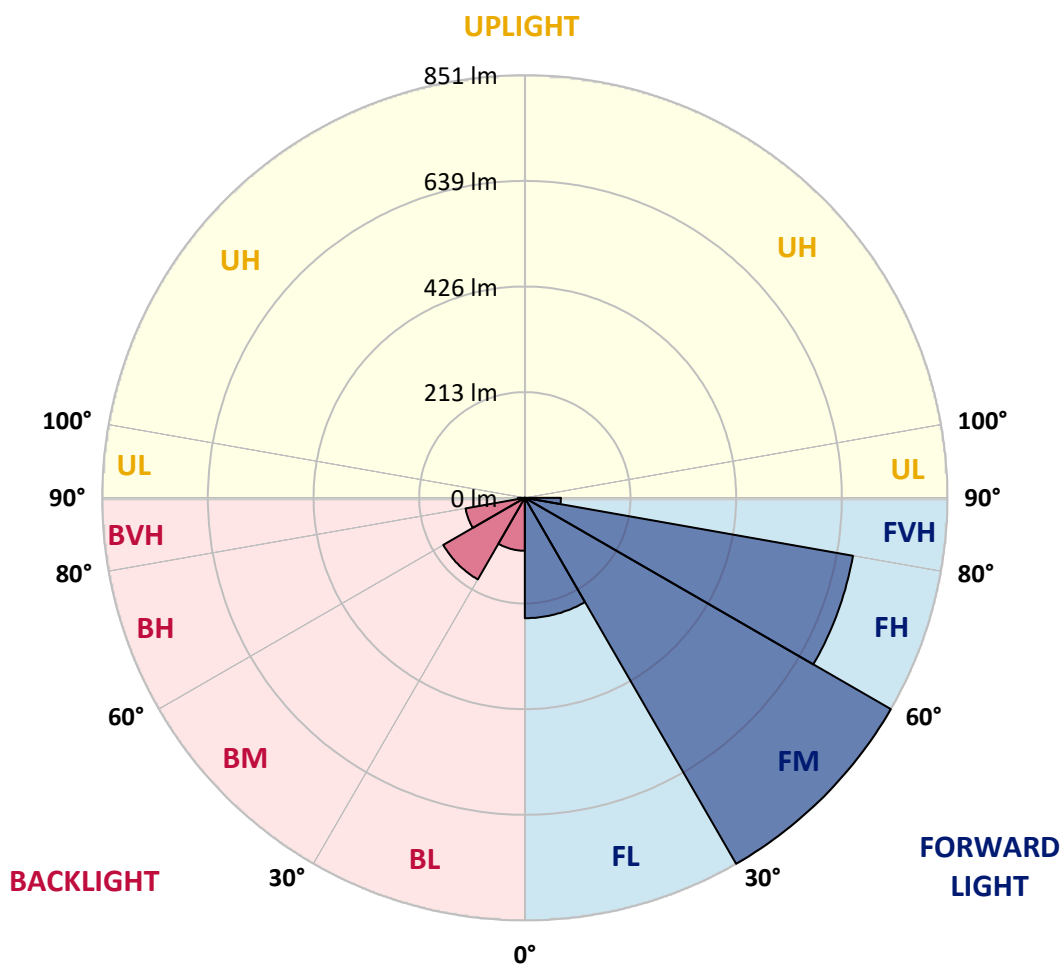


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 242.5  | 10.7      |                         |      |         |
| FM (30°-60°)   | 851.4  | 37.5      |                         |      |         |
| FH (60°-80°)   | 671.3  | 29.6      |                         |      | G1/1800 |
| FVH (80°-90°)  | 72.7   | 3.2       |                         |      | G1/100  |
| BL (0°-30°)    | 106.7  | 4.7       | B0/110                  |      |         |
| BM (30°-60°)   | 189.8  | 8.4       | B0/220                  |      |         |
| BH (60°-80°)   | 121.3  | 5.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 14.2   | 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°    | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  | 725.0  |
| 2.5°  | 776.4  | 773.4  | 776.4  | 787.5  | 790.5  | 795.5  | 795.5  | 788.5  | 775.4  | 769.3  | 759.3  |
| 5°    | 793.5  | 788.5  | 813.6  | 836.8  | 854.9  | 852.9  | 835.8  | 821.7  | 795.5  | 756.2  | 719.0  |
| 7.5°  | 759.3  | 764.3  | 782.4  | 842.8  | 885.1  | 893.2  | 866.0  | 837.8  | 781.4  | 727.0  | 676.7  |
| 10°   | 694.8  | 701.9  | 741.1  | 803.6  | 870.0  | 883.1  | 866.0  | 831.8  | 764.3  | 696.8  | 638.4  |
| 12.5° | 663.6  | 679.7  | 702.9  | 778.4  | 825.7  | 856.9  | 848.9  | 826.7  | 751.2  | 671.6  | 615.3  |
| 15°   | 663.6  | 667.6  | 701.9  | 765.3  | 792.5  | 793.5  | 796.5  | 800.5  | 755.2  | 682.7  | 607.2  |
| 17.5° | 684.7  | 695.8  | 725.0  | 764.3  | 769.3  | 757.2  | 757.2  | 774.4  | 763.3  | 713.9  | 636.4  |
| 20°   | 736.1  | 732.1  | 770.3  | 786.4  | 759.3  | 729.0  | 726.0  | 755.2  | 772.3  | 747.2  | 689.8  |
| 22.5° | 787.5  | 805.6  | 836.8  | 800.5  | 750.2  | 709.9  | 705.9  | 742.1  | 799.5  | 804.6  | 751.2  |
| 25°   | 865.0  | 883.1  | 899.2  | 854.9  | 749.2  | 704.9  | 707.9  | 736.1  | 832.8  | 886.1  | 853.9  |
| 27.5° | 948.6  | 959.6  | 982.8  | 914.3  | 773.4  | 698.8  | 701.9  | 744.2  | 864.0  | 939.5  | 934.5  |
| 30°   | 995.9  | 1008.0 | 1002.9 | 925.4  | 789.5  | 702.9  | 694.8  | 755.2  | 846.9  | 939.5  | 986.8  |
| 32.5° | 1042.2 | 1035.2 | 1032.1 | 943.5  | 809.6  | 728.0  | 707.9  | 778.4  | 856.9  | 954.6  | 1054.3 |
| 35°   | 1098.6 | 1088.5 | 1080.5 | 978.8  | 842.8  | 752.2  | 743.1  | 808.6  | 879.1  | 985.8  | 1108.7 |
| 37.5° | 1161.0 | 1161.0 | 1121.8 | 1005.0 | 882.1  | 791.5  | 781.4  | 851.9  | 914.3  | 1005.0 | 1183.2 |
| 40°   | 1234.5 | 1237.6 | 1168.1 | 1040.2 | 926.4  | 853.9  | 850.9  | 908.3  | 948.6  | 1033.2 | 1254.7 |
| 42.5° | 1288.9 | 1290.9 | 1208.4 | 1053.3 | 977.8  | 940.5  | 953.6  | 998.9  | 987.8  | 1058.3 | 1259.7 |
| 45°   | 1326.2 | 1316.1 | 1236.6 | 1090.5 | 1034.2 | 1070.4 | 1074.4 | 1087.5 | 1039.2 | 1073.4 | 1279.9 |
| 47.5° | 1344.3 | 1342.3 | 1248.6 | 1133.8 | 1153.0 | 1202.3 | 1225.5 | 1207.4 | 1086.5 | 1057.3 | 1279.9 |
| 50°   | 1362.4 | 1345.3 | 1259.7 | 1193.3 | 1268.8 | 1368.5 | 1363.4 | 1330.2 | 1152.0 | 1077.5 | 1260.7 |
| 52.5° | 1374.5 | 1359.4 | 1281.9 | 1246.6 | 1379.5 | 1492.3 | 1512.5 | 1451.0 | 1228.5 | 1114.7 | 1269.8 |
| 55°   | 1417.8 | 1405.7 | 1348.3 | 1319.1 | 1507.4 | 1623.2 | 1626.3 | 1540.7 | 1309.1 | 1176.1 | 1329.2 |
| 57.5° | 1470.2 | 1477.2 | 1440.0 | 1421.8 | 1605.1 | 1718.9 | 1707.8 | 1607.1 | 1377.5 | 1250.7 | 1397.7 |
| 60°   | 1507.4 | 1518.5 | 1509.4 | 1511.5 | 1653.4 | 1751.1 | 1725.9 | 1648.4 | 1427.9 | 1307.0 | 1481.3 |
| 62.5° | 1487.3 | 1509.4 | 1546.7 | 1538.6 | 1655.5 | 1728.0 | 1692.7 | 1594.0 | 1433.9 | 1380.6 | 1544.7 |
| 65°   | 1431.9 | 1433.9 | 1506.4 | 1550.7 | 1564.8 | 1608.1 | 1561.8 | 1480.2 | 1371.5 | 1425.9 | 1535.6 |
| 67.5° | 1289.9 | 1306.0 | 1371.5 | 1458.1 | 1398.7 | 1408.8 | 1404.7 | 1286.9 | 1276.8 | 1394.7 | 1466.1 |
| 70°   | 1138.9 | 1150.0 | 1221.5 | 1323.2 | 1181.2 | 1133.8 | 1142.9 | 1055.3 | 1096.6 | 1298.0 | 1326.2 |
| 72.5° | 941.5  | 948.6  | 1030.1 | 1119.8 | 947.6  | 863.0  | 884.1  | 812.6  | 871.0  | 1135.9 | 1118.7 |
| 75°   | 710.9  | 724.0  | 787.5  | 893.2  | 697.8  | 643.5  | 664.6  | 635.4  | 689.8  | 935.5  | 868.0  |
| 77.5° | 505.5  | 495.4  | 574.0  | 698.8  | 524.6  | 492.4  | 494.4  | 499.5  | 557.9  | 788.5  | 623.3  |
| 80°   | 344.4  | 347.4  | 417.9  | 512.5  | 411.9  | 406.8  | 401.8  | 442.1  | 468.2  | 624.3  | 453.1  |
| 82.5° | 204.4  | 204.4  | 282.0  | 364.5  | 325.3  | 366.5  | 343.4  | 379.6  | 366.5  | 459.2  | 297.1  |
| 85°   | 95.7   | 95.7   | 145.0  | 262.8  | 251.7  | 302.1  | 256.8  | 287.0  | 270.9  | 320.2  | 133.9  |
| 87.5° | 16.1   | 14.1   | 29.2   | 128.9  | 103.7  | 117.8  | 46.3   | 153.1  | 170.2  | 223.5  | 33.2   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 725.0  | 725.0  | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 |
| 2.5°  | 748.2  | 741.1  | 727.0 | 708.9 | 693.8 | 674.7 | 668.6 | 655.5 | 637.4 | 635.4 | 627.3 |
| 5°    | 704.9  | 680.7  | 650.5 | 613.2 | 588.1 | 561.9 | 539.7 | 526.6 | 511.5 | 509.5 | 505.5 |
| 7.5°  | 657.6  | 627.3  | 577.0 | 532.7 | 489.4 | 448.1 | 428.0 | 402.8 | 385.7 | 372.6 | 366.5 |
| 10°   | 613.2  | 585.0  | 522.6 | 462.2 | 423.9 | 396.7 | 372.6 | 346.4 | 325.3 | 309.1 | 303.1 |
| 12.5° | 584.0  | 550.8  | 483.3 | 425.9 | 397.8 | 366.5 | 339.3 | 311.2 | 284.0 | 262.8 | 251.7 |
| 15°   | 571.0  | 539.7  | 471.3 | 407.8 | 366.5 | 323.2 | 292.0 | 263.8 | 230.6 | 215.5 | 210.5 |
| 17.5° | 602.2  | 555.8  | 467.2 | 386.7 | 328.3 | 278.9 | 240.7 | 210.5 | 186.3 | 171.2 | 165.1 |
| 20°   | 642.4  | 585.0  | 474.3 | 361.5 | 292.0 | 236.6 | 194.3 | 162.1 | 146.0 | 134.9 | 133.9 |
| 22.5° | 693.8  | 628.3  | 485.4 | 343.4 | 251.7 | 190.3 | 152.1 | 132.9 | 121.8 | 120.8 | 118.8 |
| 25°   | 785.4  | 706.9  | 503.5 | 319.2 | 219.5 | 157.1 | 129.9 | 118.8 | 113.8 | 110.8 | 112.8 |
| 27.5° | 864.0  | 758.2  | 516.6 | 304.1 | 206.4 | 148.0 | 125.9 | 113.8 | 108.8 | 107.7 | 108.8 |
| 30°   | 910.3  | 805.6  | 512.5 | 275.9 | 180.2 | 141.0 | 133.9 | 129.9 | 119.8 | 111.8 | 111.8 |
| 32.5° | 952.6  | 835.8  | 511.5 | 250.7 | 154.1 | 117.8 | 111.8 | 108.8 | 114.8 | 118.8 | 115.8 |
| 35°   | 1011.0 | 883.1  | 508.5 | 236.6 | 143.0 | 108.8 | 98.7  | 90.6  | 86.6  | 84.6  | 87.6  |
| 37.5° | 1073.4 | 915.3  | 500.5 | 234.6 | 136.9 | 103.7 | 95.7  | 87.6  | 83.6  | 81.6  | 80.6  |
| 40°   | 1141.9 | 949.6  | 491.4 | 224.6 | 133.9 | 100.7 | 92.6  | 85.6  | 80.6  | 77.5  | 76.5  |
| 42.5° | 1186.2 | 976.8  | 482.3 | 219.5 | 127.9 | 98.7  | 89.6  | 83.6  | 78.5  | 74.5  | 74.5  |
| 45°   | 1211.4 | 1009.0 | 473.3 | 214.5 | 120.8 | 99.7  | 89.6  | 81.6  | 75.5  | 73.5  | 71.5  |
| 47.5° | 1222.5 | 1033.2 | 470.3 | 206.4 | 114.8 | 95.7  | 87.6  | 79.6  | 73.5  | 69.5  | 68.5  |
| 50°   | 1251.7 | 1084.5 | 481.3 | 200.4 | 107.7 | 91.6  | 92.6  | 78.5  | 72.5  | 67.5  | 66.5  |
| 52.5° | 1268.8 | 1125.8 | 505.5 | 191.3 | 102.7 | 86.6  | 90.6  | 76.5  | 69.5  | 64.4  | 64.4  |
| 55°   | 1331.2 | 1194.3 | 531.7 | 184.3 | 96.7  | 79.6  | 83.6  | 72.5  | 64.4  | 61.4  | 61.4  |
| 57.5° | 1410.8 | 1266.8 | 553.8 | 181.3 | 92.6  | 74.5  | 74.5  | 70.5  | 61.4  | 57.4  | 56.4  |
| 60°   | 1466.1 | 1326.2 | 566.9 | 179.2 | 88.6  | 69.5  | 66.5  | 70.5  | 58.4  | 54.4  | 53.4  |
| 62.5° | 1472.2 | 1291.9 | 553.8 | 178.2 | 87.6  | 64.4  | 60.4  | 67.5  | 55.4  | 51.4  | 49.3  |
| 65°   | 1433.9 | 1222.5 | 517.6 | 174.2 | 86.6  | 59.4  | 56.4  | 58.4  | 51.4  | 48.3  | 46.3  |
| 67.5° | 1357.4 | 1109.7 | 465.2 | 172.2 | 85.6  | 55.4  | 51.4  | 50.3  | 47.3  | 44.3  | 42.3  |
| 70°   | 1179.2 | 962.7  | 403.8 | 163.1 | 83.6  | 52.4  | 46.3  | 45.3  | 42.3  | 40.3  | 39.3  |
| 72.5° | 989.9  | 787.5  | 333.3 | 151.0 | 79.6  | 47.3  | 42.3  | 40.3  | 39.3  | 36.3  | 35.2  |
| 75°   | 758.2  | 606.2  | 266.8 | 133.9 | 69.5  | 42.3  | 37.3  | 35.2  | 34.2  | 32.2  | 31.2  |
| 77.5° | 532.7  | 451.1  | 197.4 | 108.8 | 58.4  | 38.3  | 33.2  | 31.2  | 30.2  | 27.2  | 27.2  |
| 80°   | 361.5  | 316.2  | 133.9 | 75.5  | 45.3  | 31.2  | 29.2  | 27.2  | 25.2  | 23.2  | 23.2  |
| 82.5° | 224.6  | 221.5  | 96.7  | 49.3  | 33.2  | 25.2  | 23.2  | 23.2  | 20.1  | 18.1  | 18.1  |
| 85°   | 102.7  | 135.9  | 67.5  | 34.2  | 25.2  | 19.1  | 19.1  | 18.1  | 16.1  | 13.1  | 13.1  |
| 87.5° | 32.2   | 45.3   | 35.2  | 15.1  | 14.1  | 11.1  | 11.1  | 10.1  | 10.1  | 8.1   | 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 |
| 2.5°  | 635.4 | 634.4 | 634.4 | 630.4 | 640.4 | 640.4 | 646.5 | 641.4 | 644.5 | 645.5 | 653.5 |
| 5°    | 504.5 | 512.5 | 518.6 | 530.7 | 537.7 | 540.7 | 540.7 | 548.8 | 545.8 | 551.8 | 563.9 |
| 7.5°  | 369.6 | 379.6 | 397.8 | 412.9 | 424.9 | 429.0 | 428.0 | 430.0 | 433.0 | 425.9 | 428.0 |
| 10°   | 299.1 | 292.0 | 298.1 | 312.2 | 323.2 | 336.3 | 326.3 | 325.3 | 328.3 | 325.3 | 331.3 |
| 12.5° | 249.7 | 241.7 | 236.6 | 236.6 | 244.7 | 250.7 | 247.7 | 252.7 | 263.8 | 266.8 | 273.9 |
| 15°   | 202.4 | 195.4 | 191.3 | 186.3 | 194.3 | 196.4 | 199.4 | 206.4 | 214.5 | 218.5 | 226.6 |
| 17.5° | 162.1 | 162.1 | 162.1 | 158.1 | 161.1 | 164.1 | 165.1 | 174.2 | 175.2 | 179.2 | 182.3 |
| 20°   | 132.9 | 135.9 | 141.0 | 143.0 | 146.0 | 146.0 | 144.0 | 149.0 | 145.0 | 148.0 | 150.0 |
| 22.5° | 119.8 | 123.9 | 125.9 | 126.9 | 130.9 | 131.9 | 126.9 | 127.9 | 128.9 | 125.9 | 126.9 |
| 25°   | 112.8 | 114.8 | 112.8 | 113.8 | 114.8 | 112.8 | 113.8 | 115.8 | 114.8 | 116.8 | 115.8 |
| 27.5° | 109.8 | 107.7 | 106.7 | 105.7 | 105.7 | 103.7 | 104.7 | 104.7 | 106.7 | 107.7 | 107.7 |
| 30°   | 109.8 | 106.7 | 102.7 | 99.7  | 99.7  | 96.7  | 98.7  | 100.7 | 101.7 | 103.7 | 103.7 |
| 32.5° | 112.8 | 106.7 | 99.7  | 96.7  | 93.6  | 91.6  | 93.6  | 96.7  | 100.7 | 101.7 | 102.7 |
| 35°   | 89.6  | 92.6  | 91.6  | 87.6  | 86.6  | 86.6  | 85.6  | 85.6  | 82.6  | 82.6  | 81.6  |
| 37.5° | 80.6  | 79.6  | 81.6  | 82.6  | 83.6  | 80.6  | 80.6  | 76.5  | 75.5  | 76.5  | 76.5  |
| 40°   | 75.5  | 75.5  | 75.5  | 78.5  | 79.6  | 77.5  | 74.5  | 72.5  | 72.5  | 72.5  | 73.5  |
| 42.5° | 73.5  | 71.5  | 70.5  | 72.5  | 75.5  | 73.5  | 70.5  | 69.5  | 69.5  | 70.5  | 70.5  |
| 45°   | 70.5  | 69.5  | 68.5  | 67.5  | 71.5  | 68.5  | 67.5  | 66.5  | 66.5  | 66.5  | 67.5  |
| 47.5° | 67.5  | 66.5  | 64.4  | 64.4  | 65.5  | 64.4  | 63.4  | 63.4  | 63.4  | 65.5  | 65.5  |
| 50°   | 65.5  | 64.4  | 62.4  | 62.4  | 62.4  | 62.4  | 61.4  | 61.4  | 61.4  | 62.4  | 63.4  |
| 52.5° | 62.4  | 61.4  | 60.4  | 59.4  | 59.4  | 59.4  | 59.4  | 59.4  | 59.4  | 60.4  | 61.4  |
| 55°   | 59.4  | 58.4  | 57.4  | 57.4  | 58.4  | 58.4  | 57.4  | 58.4  | 57.4  | 58.4  | 59.4  |
| 57.5° | 56.4  | 55.4  | 54.4  | 55.4  | 56.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 56.4  |
| 60°   | 52.4  | 52.4  | 52.4  | 52.4  | 54.4  | 54.4  | 54.4  | 54.4  | 52.4  | 53.4  | 54.4  |
| 62.5° | 50.3  | 49.3  | 49.3  | 50.3  | 51.4  | 51.4  | 52.4  | 51.4  | 50.3  | 51.4  | 51.4  |
| 65°   | 46.3  | 46.3  | 46.3  | 47.3  | 47.3  | 48.3  | 48.3  | 48.3  | 47.3  | 48.3  | 48.3  |
| 67.5° | 43.3  | 43.3  | 43.3  | 43.3  | 45.3  | 45.3  | 45.3  | 45.3  | 44.3  | 44.3  | 45.3  |
| 70°   | 38.3  | 39.3  | 38.3  | 40.3  | 42.3  | 41.3  | 42.3  | 42.3  | 41.3  | 40.3  | 42.3  |
| 72.5° | 35.2  | 35.2  | 35.2  | 35.2  | 38.3  | 38.3  | 38.3  | 39.3  | 38.3  | 37.3  | 38.3  |
| 75°   | 31.2  | 31.2  | 31.2  | 32.2  | 34.2  | 34.2  | 34.2  | 34.2  | 34.2  | 33.2  | 33.2  |
| 77.5° | 27.2  | 28.2  | 27.2  | 28.2  | 30.2  | 29.2  | 30.2  | 31.2  | 30.2  | 29.2  | 29.2  |
| 80°   | 23.2  | 23.2  | 23.2  | 24.2  | 25.2  | 25.2  | 25.2  | 26.2  | 25.2  | 24.2  | 24.2  |
| 82.5° | 18.1  | 18.1  | 19.1  | 19.1  | 20.1  | 20.1  | 20.1  | 21.1  | 20.1  | 19.1  | 19.1  |
| 85°   | 14.1  | 14.1  | 14.1  | 15.1  | 15.1  | 16.1  | 16.1  | 17.1  | 17.1  | 16.1  | 16.1  |
| 87.5° | 9.1   | 8.1   | 9.1   | 9.1   | 10.1  | 10.1  | 9.1   | 8.1   | 9.1   | 8.1   | 7.0   |
| 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):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0 | 725.0  | 725.0  | 725.0  |
| 2.5°  | 661.6 | 679.7 | 692.8 | 701.9 | 714.9 | 740.1 | 750.2 | 768.3  | 773.4  | 776.4  |
| 5°    | 568.9 | 588.1 | 616.3 | 636.4 | 659.6 | 706.9 | 743.1 | 770.3  | 782.4  | 793.5  |
| 7.5°  | 446.1 | 471.3 | 500.5 | 526.6 | 564.9 | 623.3 | 670.6 | 727.0  | 748.2  | 759.3  |
| 10°   | 348.4 | 371.6 | 403.8 | 436.0 | 489.4 | 538.7 | 606.2 | 657.6  | 686.8  | 694.8  |
| 12.5° | 294.0 | 321.2 | 359.5 | 398.8 | 432.0 | 488.4 | 556.9 | 631.4  | 658.6  | 663.6  |
| 15°   | 249.7 | 287.0 | 326.3 | 366.5 | 404.8 | 454.1 | 527.7 | 618.3  | 658.6  | 663.6  |
| 17.5° | 206.4 | 239.7 | 286.0 | 329.3 | 373.6 | 441.1 | 532.7 | 629.4  | 669.6  | 684.7  |
| 20°   | 164.1 | 196.4 | 232.6 | 287.0 | 347.4 | 418.9 | 543.8 | 666.6  | 720.0  | 736.1  |
| 22.5° | 135.9 | 150.0 | 185.3 | 237.6 | 309.1 | 403.8 | 554.8 | 725.0  | 781.4  | 787.5  |
| 25°   | 118.8 | 128.9 | 151.0 | 200.4 | 278.9 | 393.7 | 581.0 | 792.5  | 865.0  | 865.0  |
| 27.5° | 110.8 | 114.8 | 129.9 | 174.2 | 257.8 | 384.7 | 607.2 | 867.0  | 934.5  | 948.6  |
| 30°   | 108.8 | 118.8 | 126.9 | 155.1 | 234.6 | 359.5 | 631.4 | 925.4  | 994.9  | 995.9  |
| 32.5° | 106.7 | 104.7 | 110.8 | 134.9 | 206.4 | 333.3 | 651.5 | 984.8  | 1039.2 | 1042.2 |
| 35°   | 83.6  | 87.6  | 97.7  | 118.8 | 185.3 | 314.2 | 661.6 | 1017.0 | 1095.6 | 1098.6 |
| 37.5° | 78.5  | 83.6  | 91.6  | 109.8 | 171.2 | 298.1 | 664.6 | 1079.5 | 1155.0 | 1161.0 |
| 40°   | 76.5  | 80.6  | 86.6  | 101.7 | 160.1 | 277.9 | 670.6 | 1143.9 | 1242.6 | 1234.5 |
| 42.5° | 72.5  | 77.5  | 83.6  | 97.7  | 151.0 | 262.8 | 671.6 | 1179.2 | 1288.9 | 1288.9 |
| 45°   | 71.5  | 74.5  | 81.6  | 97.7  | 141.0 | 249.7 | 655.5 | 1214.4 | 1342.3 | 1326.2 |
| 47.5° | 67.5  | 73.5  | 79.6  | 94.7  | 128.9 | 236.6 | 636.4 | 1232.5 | 1349.3 | 1344.3 |
| 50°   | 66.5  | 72.5  | 82.6  | 89.6  | 121.8 | 230.6 | 632.4 | 1277.8 | 1363.4 | 1362.4 |
| 52.5° | 64.4  | 70.5  | 85.6  | 85.6  | 112.8 | 222.5 | 651.5 | 1298.0 | 1366.5 | 1374.5 |
| 55°   | 61.4  | 70.5  | 79.6  | 78.5  | 104.7 | 212.5 | 672.7 | 1350.3 | 1419.8 | 1417.8 |
| 57.5° | 59.4  | 68.5  | 75.5  | 71.5  | 95.7  | 205.4 | 703.9 | 1400.7 | 1484.3 | 1470.2 |
| 60°   | 56.4  | 68.5  | 67.5  | 66.5  | 88.6  | 199.4 | 730.1 | 1410.8 | 1498.4 | 1507.4 |
| 62.5° | 54.4  | 71.5  | 59.4  | 61.4  | 82.6  | 196.4 | 719.0 | 1335.2 | 1479.2 | 1487.3 |
| 65°   | 52.4  | 61.4  | 54.4  | 56.4  | 80.6  | 190.3 | 675.7 | 1244.6 | 1396.7 | 1431.9 |
| 67.5° | 48.3  | 50.3  | 50.3  | 52.4  | 78.5  | 176.2 | 587.1 | 1081.5 | 1270.8 | 1289.9 |
| 70°   | 44.3  | 45.3  | 45.3  | 48.3  | 76.5  | 160.1 | 484.4 | 935.5  | 1102.6 | 1138.9 |
| 72.5° | 40.3  | 40.3  | 40.3  | 44.3  | 70.5  | 147.0 | 398.8 | 719.0  | 916.3  | 941.5  |
| 75°   | 35.2  | 35.2  | 35.2  | 39.3  | 63.4  | 133.9 | 314.2 | 534.7  | 674.7  | 710.9  |
| 77.5° | 31.2  | 31.2  | 30.2  | 35.2  | 55.4  | 108.8 | 226.6 | 377.6  | 475.3  | 505.5  |
| 80°   | 26.2  | 25.2  | 25.2  | 28.2  | 43.3  | 78.5  | 146.0 | 266.8  | 331.3  | 344.4  |
| 82.5° | 21.1  | 20.1  | 19.1  | 21.1  | 31.2  | 49.3  | 90.6  | 186.3  | 212.5  | 204.4  |
| 85°   | 20.1  | 21.1  | 17.1  | 16.1  | 22.2  | 32.2  | 57.4  | 114.8  | 95.7   | 95.7   |
| 87.5° | 8.1   | 7.0   | 7.0   | 6.0   | 11.1  | 12.1  | 25.2  | 21.1   | 16.1   | 16.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)