

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: P677260

Luminaire Tested: **CCW-SA-1A-730-U-SLL-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677260  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-730-U-SLL-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
SLL distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

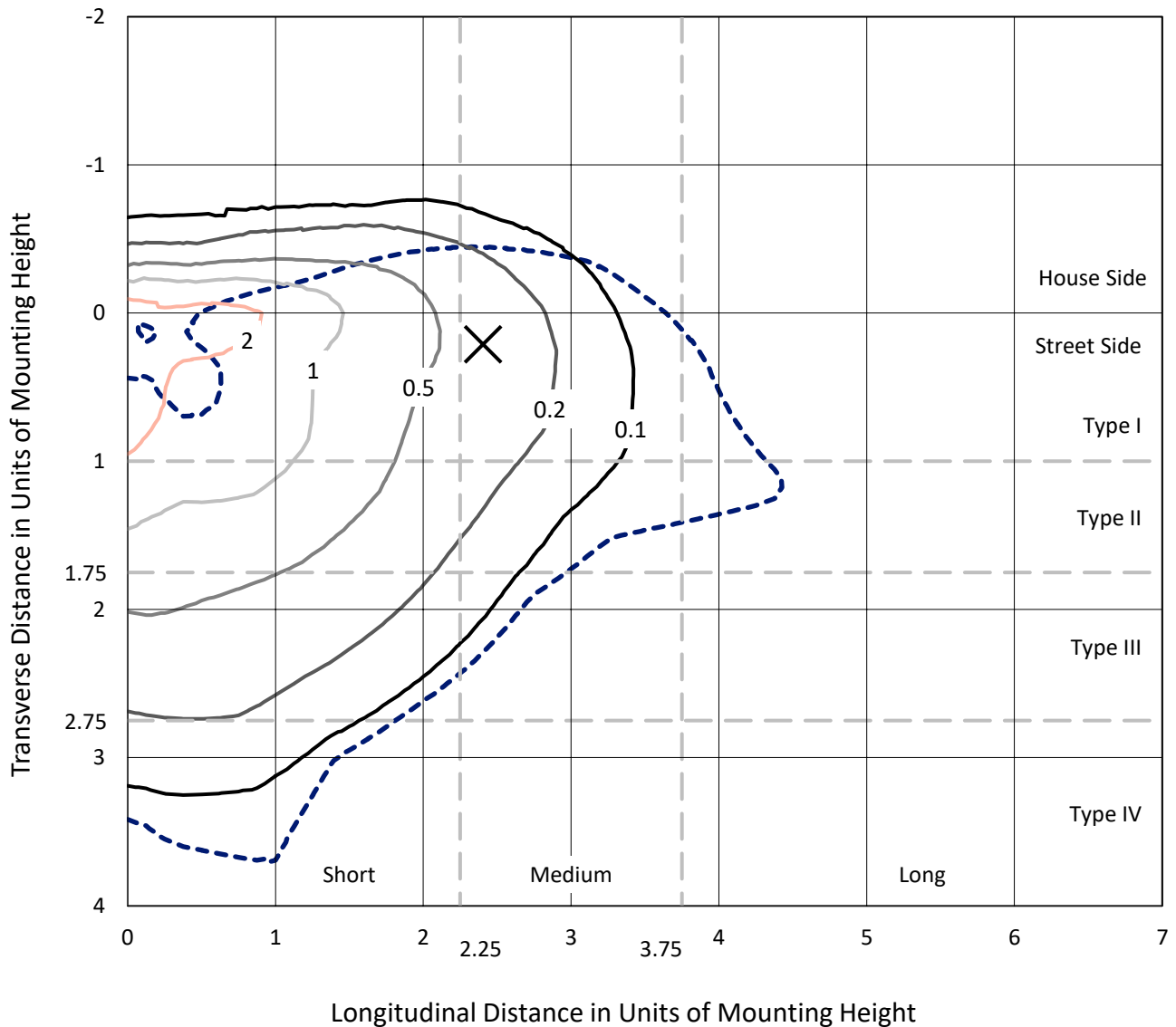
Lumens per Lamp: N/A  
Luminaire Lumens: 1807.5 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

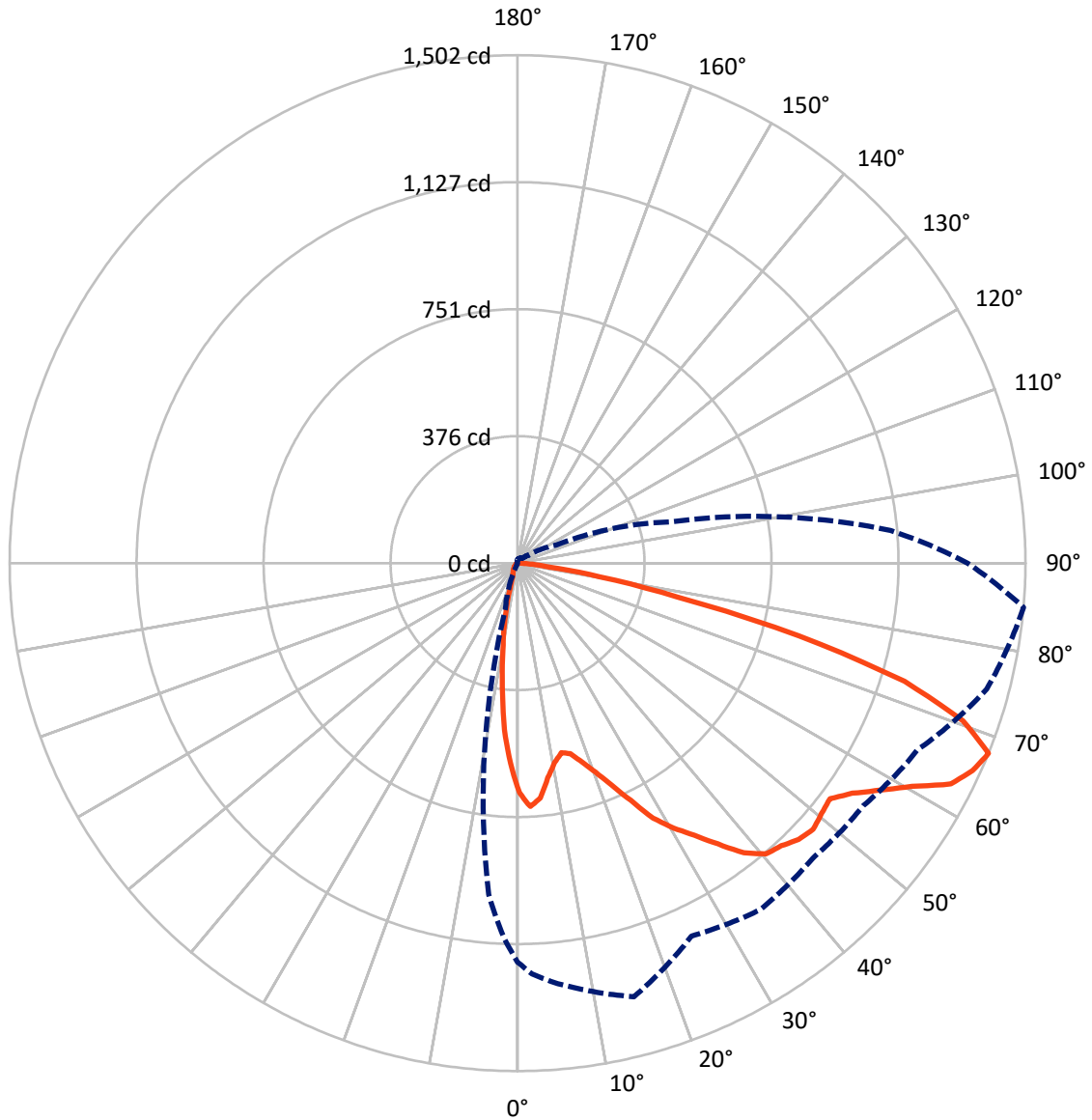
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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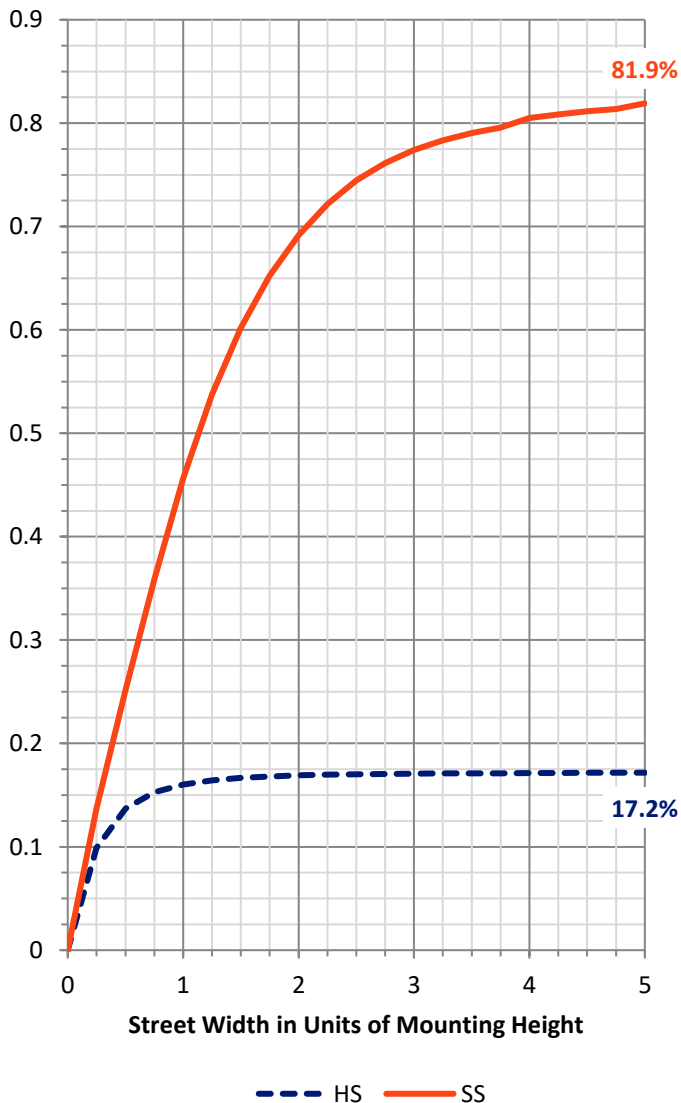
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 313.8    | 0.0    | 313.8  |
|                    | % Fixture | 17.4     | 0.0    | 17.4   |
| <b>Street Side</b> | Lumens    | 1493.6   | 0.0    | 1493.6 |
|                    | % Fixture | 82.6     | 0.0    | 82.6   |
| <b>Total</b>       | Lumens    | 1807.5   | 0.0    | 1807.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.6   | 2.9       |
| 10°-20°   | 101.2  | 5.6       |
| 20°-30°   | 140.1  | 7.8       |
| 30°-40°   | 198.0  | 11.0      |
| 40°-50°   | 269.6  | 14.9      |
| 50°-60°   | 357.0  | 19.8      |
| 60°-70°   | 414.6  | 22.9      |
| 70°-80°   | 234.8  | 13.0      |
| 80°-90°   | 40.6   | 2.2       |
| 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°    | 1807.5 | 100.0     |
| 0°-180°   | 1807.5 | 100.0     |



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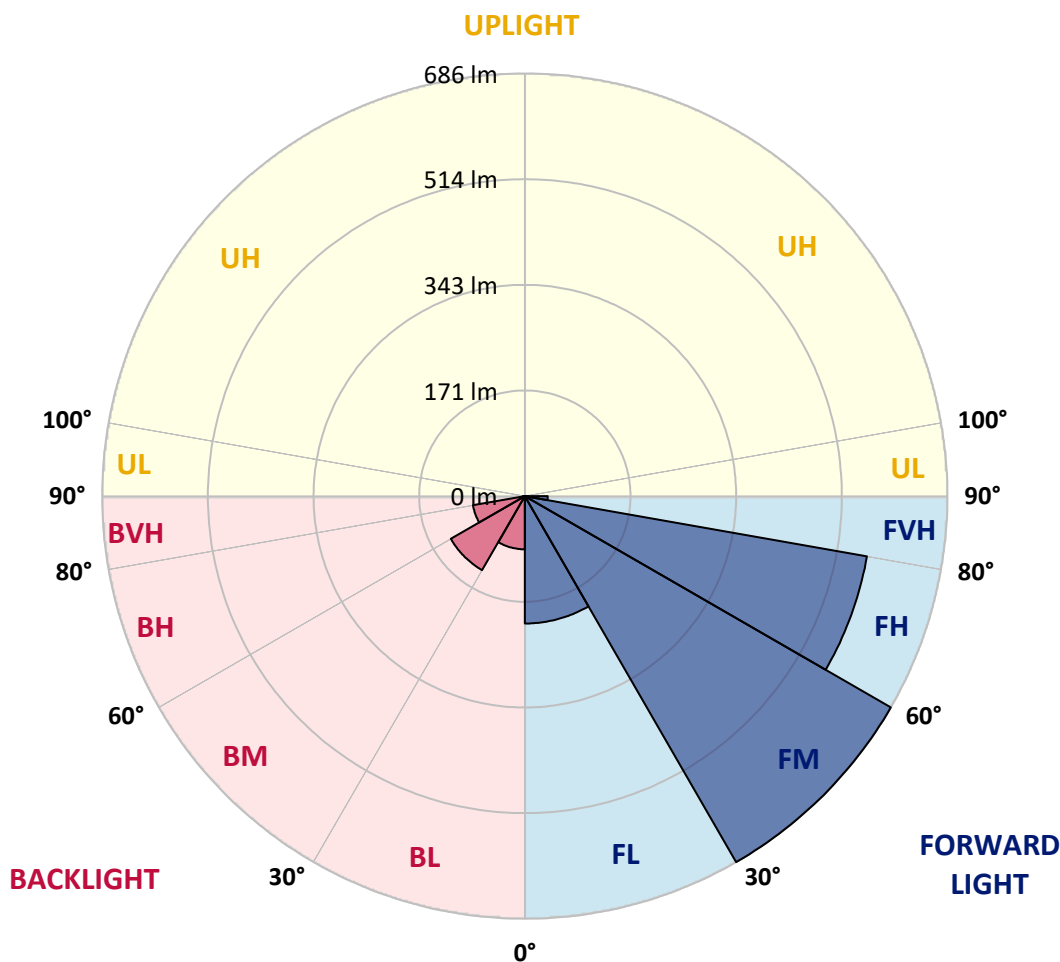
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 206.7  | 11.4      |                         |      |        |
| FM (30°-60°)   | 686.0  | 38.0      |                         |      |        |
| FH (60°-80°)   | 563.9  | 31.2      |                         |      | G0/660 |
| FVH (80°-90°)  | 37.1   | 2.1       |                         |      | G1/100 |
| BL (0°-30°)    | 86.3   | 4.8       | B0/110                  |      |        |
| BM (30°-60°)   | 138.7  | 7.7       | B0/220                  |      |        |
| BH (60°-80°)   | 85.5   | 4.7       | B0/110                  |      | G0/110 |
| BVH (80°-90°)  | 3.4    | 0.2       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  | 679.6  |
| 2.5°  | 706.2  | 721.1  | 721.6  | 728.4  | 735.1  | 735.1  | 751.0  | 747.2  | 733.2  | 730.8  | 720.6  |
| 5°    | 711.5  | 716.8  | 720.6  | 754.9  | 783.9  | 781.0  | 789.7  | 783.9  | 756.8  | 722.1  | 698.4  |
| 7.5°  | 665.6  | 671.4  | 686.8  | 745.2  | 784.3  | 797.4  | 813.8  | 777.6  | 749.1  | 686.4  | 641.0  |
| 10°   | 604.8  | 615.9  | 644.4  | 711.0  | 759.2  | 800.8  | 800.8  | 771.8  | 716.8  | 655.5  | 600.0  |
| 12.5° | 571.0  | 593.2  | 608.7  | 676.2  | 739.0  | 767.4  | 766.5  | 751.0  | 715.3  | 638.1  | 575.3  |
| 15°   | 576.8  | 583.1  | 615.9  | 668.5  | 710.0  | 708.6  | 725.9  | 721.1  | 696.0  | 653.5  | 584.5  |
| 17.5° | 603.3  | 613.0  | 641.5  | 668.5  | 688.3  | 682.5  | 682.0  | 705.2  | 706.6  | 679.6  | 618.8  |
| 20°   | 646.8  | 675.3  | 688.8  | 697.0  | 672.8  | 648.2  | 645.3  | 677.7  | 702.8  | 712.9  | 659.8  |
| 22.5° | 716.3  | 735.1  | 762.6  | 720.6  | 657.9  | 627.0  | 621.2  | 656.9  | 707.6  | 752.5  | 712.9  |
| 25°   | 784.3  | 798.8  | 825.4  | 771.3  | 674.8  | 622.6  | 612.5  | 643.4  | 725.9  | 807.5  | 777.1  |
| 27.5° | 856.3  | 868.8  | 871.7  | 808.5  | 683.9  | 614.0  | 601.9  | 643.4  | 741.4  | 836.5  | 853.8  |
| 30°   | 900.2  | 915.1  | 918.0  | 841.3  | 698.9  | 621.2  | 615.4  | 646.3  | 752.0  | 861.1  | 908.9  |
| 32.5° | 949.4  | 953.3  | 950.9  | 847.1  | 715.3  | 642.4  | 618.3  | 665.6  | 764.1  | 890.5  | 959.1  |
| 35°   | 1008.3 | 1015.1 | 990.4  | 873.6  | 752.0  | 656.0  | 647.3  | 689.3  | 784.8  | 904.0  | 1019.9 |
| 37.5° | 1053.2 | 1074.4 | 1018.9 | 883.8  | 759.2  | 684.4  | 685.9  | 738.5  | 799.3  | 920.5  | 1087.0 |
| 40°   | 1137.7 | 1101.9 | 1067.2 | 918.5  | 786.8  | 732.7  | 725.0  | 789.2  | 848.1  | 931.1  | 1130.9 |
| 42.5° | 1184.0 | 1165.2 | 1086.0 | 921.9  | 829.2  | 799.3  | 801.2  | 846.6  | 873.6  | 961.0  | 1143.0 |
| 45°   | 1195.6 | 1175.8 | 1111.6 | 924.3  | 871.2  | 878.0  | 911.3  | 920.0  | 911.3  | 980.8  | 1165.7 |
| 47.5° | 1225.0 | 1182.1 | 1108.7 | 956.7  | 939.3  | 965.3  | 1007.8 | 1026.6 | 962.4  | 973.6  | 1176.3 |
| 50°   | 1219.2 | 1194.6 | 1102.4 | 970.2  | 1022.3 | 1091.3 | 1119.8 | 1112.1 | 1019.4 | 958.6  | 1164.7 |
| 52.5° | 1195.1 | 1168.6 | 1121.7 | 1006.9 | 1100.0 | 1183.5 | 1223.1 | 1203.8 | 1070.1 | 992.4  | 1157.0 |
| 55°   | 1230.3 | 1210.1 | 1146.8 | 1056.6 | 1158.4 | 1264.6 | 1292.6 | 1278.1 | 1132.3 | 1023.7 | 1200.9 |
| 57.5° | 1268.5 | 1264.1 | 1214.9 | 1115.0 | 1227.4 | 1348.1 | 1348.1 | 1330.2 | 1186.4 | 1069.1 | 1266.1 |
| 60°   | 1323.5 | 1333.1 | 1265.1 | 1153.6 | 1251.1 | 1343.3 | 1413.3 | 1392.5 | 1241.0 | 1148.8 | 1339.9 |
| 62.5° | 1305.6 | 1336.5 | 1329.8 | 1236.6 | 1278.1 | 1366.9 | 1405.1 | 1420.5 | 1308.5 | 1245.8 | 1438.4 |
| 65°   | 1248.2 | 1281.0 | 1329.3 | 1291.1 | 1257.8 | 1309.5 | 1328.8 | 1375.6 | 1342.3 | 1337.0 | 1478.9 |
| 67.5° | 1179.7 | 1215.4 | 1245.3 | 1327.8 | 1216.8 | 1251.1 | 1234.2 | 1249.2 | 1305.6 | 1436.9 | 1502.1 |
| 70°   | 1030.0 | 1064.3 | 1111.6 | 1246.3 | 1108.2 | 1077.3 | 1073.0 | 1065.7 | 1153.6 | 1401.2 | 1396.9 |
| 72.5° | 847.1  | 863.0  | 941.2  | 1013.1 | 820.1  | 814.3  | 821.0  | 812.8  | 914.7  | 1268.5 | 1196.5 |
| 75°   | 634.2  | 650.2  | 694.6  | 778.1  | 558.5  | 525.1  | 563.8  | 601.9  | 698.4  | 984.7  | 859.6  |
| 77.5° | 476.9  | 497.2  | 525.1  | 582.1  | 409.8  | 357.7  | 363.0  | 399.2  | 504.9  | 788.7  | 481.7  |
| 80°   | 309.4  | 307.0  | 361.0  | 400.6  | 308.4  | 318.1  | 304.6  | 331.1  | 365.9  | 421.9  | 246.2  |
| 82.5° | 178.6  | 181.0  | 203.7  | 229.8  | 214.8  | 245.7  | 177.1  | 295.9  | 261.1  | 171.8  | 91.7   |
| 85°   | 100.4  | 104.7  | 125.5  | 159.3  | 134.7  | 90.3   | 73.8   | 146.7  | 164.1  | 70.5   | 44.4   |
| 87.5° | 10.1   | 8.7    | 16.9   | 60.3   | 36.7   | 15.0   | 22.2   | 35.2   | 39.6   | 26.5   | 13.0   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 679.6  | 679.6  | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 |
| 2.5°  | 706.2  | 706.2  | 694.1 | 673.8 | 665.6 | 651.1 | 631.3 | 637.6 | 630.9 | 606.2 | 600.0 |
| 5°    | 677.2  | 654.0  | 628.9 | 598.0 | 580.2 | 543.5 | 531.9 | 511.2 | 514.5 | 493.8 | 494.7 |
| 7.5°  | 616.9  | 598.5  | 556.0 | 515.5 | 480.3 | 448.4 | 403.5 | 386.6 | 370.2 | 362.0 | 371.7 |
| 10°   | 581.6  | 547.4  | 489.4 | 436.3 | 389.5 | 361.0 | 331.1 | 307.9 | 286.7 | 270.8 | 267.4 |
| 12.5° | 556.0  | 525.6  | 455.6 | 391.0 | 354.3 | 331.1 | 303.6 | 271.7 | 251.0 | 223.5 | 215.3 |
| 15°   | 548.3  | 511.2  | 437.3 | 373.1 | 337.4 | 299.3 | 267.9 | 236.5 | 209.5 | 180.5 | 170.4 |
| 17.5° | 574.9  | 531.9  | 436.8 | 358.6 | 308.4 | 267.4 | 224.0 | 188.7 | 161.2 | 134.7 | 128.4 |
| 20°   | 619.8  | 554.1  | 450.8 | 349.9 | 280.9 | 225.9 | 176.7 | 141.4 | 110.5 | 93.2  | 88.8  |
| 22.5° | 670.9  | 591.8  | 452.3 | 326.8 | 253.4 | 184.4 | 128.9 | 93.2  | 75.8  | 67.6  | 65.2  |
| 25°   | 733.7  | 652.1  | 469.6 | 307.9 | 221.1 | 140.0 | 91.7  | 71.4  | 61.3  | 56.5  | 55.5  |
| 27.5° | 785.3  | 694.1  | 488.5 | 288.2 | 189.2 | 103.8 | 71.9  | 58.4  | 53.1  | 48.3  | 47.8  |
| 30°   | 838.9  | 742.4  | 493.8 | 276.1 | 161.7 | 85.4  | 61.8  | 51.6  | 45.9  | 43.4  | 43.0  |
| 32.5° | 885.7  | 795.0  | 510.7 | 256.3 | 135.6 | 75.3  | 56.0  | 46.3  | 42.5  | 38.6  | 38.1  |
| 35°   | 946.0  | 825.4  | 518.9 | 245.7 | 126.0 | 68.1  | 51.2  | 42.5  | 36.7  | 34.3  | 33.3  |
| 37.5° | 1010.7 | 854.8  | 524.2 | 237.5 | 117.8 | 63.7  | 48.3  | 40.1  | 34.8  | 31.4  | 30.4  |
| 40°   | 1071.1 | 896.3  | 516.5 | 227.3 | 111.5 | 58.4  | 46.3  | 37.2  | 32.3  | 29.0  | 27.5  |
| 42.5° | 1117.4 | 936.9  | 514.0 | 217.7 | 104.7 | 56.5  | 43.9  | 35.7  | 30.4  | 26.5  | 26.1  |
| 45°   | 1143.5 | 964.4  | 497.2 | 210.0 | 99.4  | 57.4  | 43.0  | 33.8  | 29.0  | 25.6  | 23.7  |
| 47.5° | 1137.2 | 985.6  | 501.5 | 207.5 | 92.2  | 53.6  | 42.5  | 32.3  | 26.5  | 23.7  | 22.2  |
| 50°   | 1171.9 | 1028.6 | 494.3 | 199.8 | 86.9  | 48.3  | 46.3  | 32.3  | 26.1  | 22.7  | 21.2  |
| 52.5° | 1177.7 | 1067.7 | 509.7 | 185.8 | 78.7  | 44.4  | 45.9  | 31.9  | 25.1  | 21.7  | 19.8  |
| 55°   | 1226.0 | 1113.0 | 539.6 | 178.1 | 71.9  | 38.6  | 42.0  | 30.9  | 22.7  | 19.8  | 18.8  |
| 57.5° | 1291.6 | 1207.2 | 558.9 | 170.9 | 62.7  | 33.8  | 35.2  | 30.4  | 20.8  | 18.3  | 16.9  |
| 60°   | 1354.9 | 1244.8 | 560.4 | 157.8 | 54.1  | 30.4  | 27.5  | 30.4  | 19.3  | 16.4  | 15.0  |
| 62.5° | 1402.2 | 1244.8 | 550.7 | 146.7 | 47.3  | 27.0  | 24.1  | 29.0  | 17.4  | 14.5  | 13.5  |
| 65°   | 1376.6 | 1211.5 | 525.6 | 137.6 | 43.0  | 23.7  | 20.8  | 22.2  | 15.4  | 12.5  | 11.6  |
| 67.5° | 1330.7 | 1107.7 | 470.1 | 126.5 | 42.5  | 20.8  | 17.9  | 16.4  | 13.5  | 11.1  | 10.1  |
| 70°   | 1257.4 | 967.8  | 391.4 | 113.9 | 41.5  | 18.8  | 15.9  | 14.0  | 12.1  | 9.7   | 8.7   |
| 72.5° | 1013.1 | 799.3  | 321.5 | 106.7 | 40.5  | 16.4  | 13.5  | 12.1  | 10.1  | 8.2   | 7.2   |
| 75°   | 701.8  | 510.7  | 247.6 | 91.2  | 39.6  | 15.0  | 12.5  | 10.6  | 8.7   | 6.8   | 6.3   |
| 77.5° | 420.9  | 341.2  | 159.8 | 68.5  | 26.1  | 12.1  | 10.6  | 8.2   | 7.2   | 5.8   | 5.3   |
| 80°   | 196.9  | 161.2  | 64.7  | 26.5  | 12.5  | 8.7   | 7.2   | 6.3   | 5.8   | 4.8   | 4.3   |
| 82.5° | 77.2   | 68.1   | 31.4  | 15.4  | 10.1  | 6.8   | 5.8   | 5.3   | 4.8   | 3.9   | 3.4   |
| 85°   | 41.5   | 36.7   | 15.0  | 10.6  | 7.2   | 4.8   | 4.8   | 4.3   | 3.9   | 3.4   | 2.9   |
| 87.5° | 9.2    | 6.8    | 6.3   | 6.3   | 5.3   | 3.9   | 3.9   | 3.4   | 2.9   | 2.4   | 1.9   |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 |
| 2.5°  | 596.6 | 603.8 | 592.2 | 599.5 | 589.3 | 597.1 | 598.0 | 590.8 | 592.7 | 602.4 | 606.7 |
| 5°    | 508.3 | 503.4 | 492.8 | 489.4 | 489.9 | 483.6 | 486.1 | 489.4 | 494.7 | 497.6 | 506.3 |
| 7.5°  | 366.3 | 377.4 | 377.0 | 385.2 | 385.7 | 384.7 | 377.9 | 363.5 | 368.3 | 364.4 | 369.2 |
| 10°   | 262.1 | 266.9 | 276.1 | 281.4 | 291.1 | 285.7 | 270.3 | 264.5 | 261.6 | 261.1 | 266.0 |
| 12.5° | 209.5 | 197.9 | 196.9 | 198.9 | 203.7 | 197.4 | 189.7 | 182.9 | 186.3 | 193.1 | 198.4 |
| 15°   | 162.2 | 152.5 | 140.0 | 138.0 | 139.0 | 136.1 | 127.9 | 119.2 | 121.6 | 128.4 | 132.3 |
| 17.5° | 124.5 | 113.4 | 104.7 | 98.9  | 97.0  | 86.9  | 74.8  | 67.6  | 65.6  | 65.2  | 68.5  |
| 20°   | 84.0  | 82.1  | 80.6  | 73.4  | 73.4  | 58.9  | 48.7  | 43.4  | 43.4  | 44.4  | 44.9  |
| 22.5° | 62.7  | 60.3  | 60.8  | 59.4  | 55.5  | 43.9  | 38.6  | 37.2  | 37.2  | 38.1  | 38.1  |
| 25°   | 54.5  | 51.2  | 50.2  | 49.7  | 45.9  | 37.6  | 33.8  | 32.3  | 32.3  | 33.3  | 33.3  |
| 27.5° | 46.3  | 45.4  | 43.9  | 42.0  | 38.6  | 32.3  | 29.9  | 28.5  | 29.0  | 29.4  | 29.0  |
| 30°   | 42.5  | 40.1  | 38.1  | 38.1  | 34.3  | 29.0  | 27.0  | 26.1  | 25.1  | 26.1  | 26.5  |
| 32.5° | 37.6  | 36.2  | 35.2  | 33.8  | 29.4  | 25.6  | 23.7  | 22.7  | 22.2  | 22.2  | 22.7  |
| 35°   | 32.3  | 32.3  | 31.4  | 29.4  | 25.6  | 23.2  | 20.8  | 19.8  | 19.3  | 19.8  | 19.8  |
| 37.5° | 29.0  | 27.5  | 28.0  | 26.1  | 22.7  | 20.3  | 17.9  | 16.9  | 16.9  | 16.4  | 16.9  |
| 40°   | 27.0  | 24.6  | 23.2  | 22.2  | 20.3  | 17.4  | 15.4  | 14.5  | 14.0  | 14.0  | 14.0  |
| 42.5° | 24.1  | 22.2  | 19.3  | 18.8  | 18.3  | 15.0  | 12.5  | 12.1  | 11.6  | 11.1  | 11.1  |
| 45°   | 22.7  | 19.8  | 17.4  | 15.0  | 15.0  | 12.5  | 10.6  | 9.7   | 9.2   | 8.7   | 9.2   |
| 47.5° | 20.8  | 17.9  | 15.0  | 12.5  | 12.1  | 10.1  | 8.2   | 7.2   | 6.8   | 6.8   | 6.8   |
| 50°   | 19.8  | 15.9  | 13.0  | 10.6  | 9.2   | 8.2   | 6.3   | 5.3   | 4.8   | 4.8   | 4.8   |
| 52.5° | 18.3  | 15.0  | 11.6  | 9.2   | 7.2   | 6.3   | 4.8   | 3.9   | 3.4   | 3.4   | 3.4   |
| 55°   | 16.4  | 13.5  | 10.1  | 7.7   | 6.3   | 4.8   | 3.4   | 2.4   | 1.9   | 1.9   | 1.9   |
| 57.5° | 15.4  | 12.1  | 8.7   | 6.8   | 4.8   | 3.4   | 1.9   | 1.4   | 1.4   | 1.0   | 1.4   |
| 60°   | 14.0  | 10.6  | 7.2   | 5.3   | 3.9   | 2.4   | 1.4   | 0.5   | 0.5   | 0.5   | 0.5   |
| 62.5° | 12.1  | 9.2   | 6.3   | 4.3   | 2.9   | 1.4   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 10.1  | 7.2   | 4.8   | 3.4   | 1.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 8.7   | 6.3   | 3.9   | 2.4   | 1.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 7.7   | 5.3   | 2.9   | 1.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 6.3   | 4.3   | 2.4   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 5.3   | 3.4   | 1.4   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 4.3   | 2.4   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 3.4   | 1.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 2.9   | 1.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 1.9   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 1.4   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 358°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 | 679.6  | 679.6  | 679.6  |
| 2.5°  | 613.0 | 610.1 | 624.6 | 648.2 | 660.3 | 683.9 | 689.7 | 704.7  | 700.8  | 706.2  |
| 5°    | 507.3 | 513.1 | 534.3 | 569.1 | 581.6 | 615.9 | 648.2 | 680.6  | 701.3  | 711.5  |
| 7.5°  | 376.5 | 395.8 | 421.9 | 453.7 | 486.1 | 530.9 | 586.0 | 623.6  | 643.9  | 665.6  |
| 10°   | 280.4 | 301.2 | 331.1 | 362.5 | 415.1 | 465.3 | 520.3 | 567.1  | 584.5  | 604.8  |
| 12.5° | 220.6 | 252.9 | 287.7 | 321.5 | 352.8 | 400.6 | 468.7 | 536.7  | 555.6  | 571.0  |
| 15°   | 153.5 | 193.1 | 242.8 | 286.7 | 330.6 | 372.1 | 442.6 | 525.1  | 550.7  | 576.8  |
| 17.5° | 85.0  | 116.3 | 173.3 | 235.1 | 299.7 | 363.5 | 451.3 | 546.4  | 585.0  | 603.3  |
| 20°   | 49.2  | 61.8  | 102.3 | 175.7 | 261.1 | 344.6 | 455.6 | 586.4  | 637.6  | 646.8  |
| 22.5° | 40.5  | 44.9  | 57.9  | 110.0 | 213.8 | 332.6 | 477.8 | 642.4  | 694.6  | 716.3  |
| 25°   | 34.8  | 38.1  | 44.9  | 66.1  | 161.7 | 307.0 | 491.8 | 712.4  | 760.7  | 784.3  |
| 27.5° | 30.9  | 34.3  | 39.6  | 48.7  | 110.0 | 271.7 | 515.0 | 775.7  | 823.9  | 856.3  |
| 30°   | 27.0  | 29.9  | 35.2  | 41.5  | 76.3  | 232.2 | 534.8 | 822.0  | 890.0  | 900.2  |
| 32.5° | 24.1  | 26.5  | 30.4  | 35.7  | 56.5  | 176.2 | 550.7 | 869.8  | 927.2  | 949.4  |
| 35°   | 20.8  | 23.7  | 26.1  | 30.4  | 43.0  | 132.7 | 541.1 | 906.9  | 981.8  | 1008.3 |
| 37.5° | 18.3  | 20.3  | 22.7  | 25.6  | 36.2  | 103.8 | 521.3 | 951.3  | 1028.6 | 1053.2 |
| 40°   | 15.4  | 16.9  | 19.8  | 22.7  | 32.8  | 80.1  | 498.6 | 1004.9 | 1094.2 | 1137.7 |
| 42.5° | 13.0  | 14.5  | 16.4  | 21.2  | 27.0  | 59.4  | 452.7 | 1046.4 | 1147.3 | 1184.0 |
| 45°   | 10.1  | 12.1  | 15.0  | 21.2  | 21.7  | 43.9  | 405.4 | 1077.3 | 1177.2 | 1195.6 |
| 47.5° | 7.7   | 9.7   | 14.5  | 18.3  | 17.4  | 30.4  | 349.5 | 1112.6 | 1208.1 | 1225.0 |
| 50°   | 5.8   | 7.7   | 16.4  | 15.9  | 14.5  | 23.2  | 314.2 | 1137.2 | 1210.1 | 1219.2 |
| 52.5° | 3.9   | 5.8   | 13.5  | 12.1  | 12.1  | 20.3  | 304.6 | 1136.2 | 1214.9 | 1195.1 |
| 55°   | 2.9   | 4.3   | 7.7   | 8.7   | 10.6  | 17.9  | 295.9 | 1172.4 | 1216.3 | 1230.3 |
| 57.5° | 1.9   | 3.4   | 5.3   | 6.8   | 9.2   | 15.4  | 278.0 | 1215.9 | 1261.2 | 1268.5 |
| 60°   | 1.0   | 2.4   | 3.9   | 5.3   | 7.7   | 13.5  | 252.9 | 1247.7 | 1315.8 | 1323.5 |
| 62.5° | 0.5   | 1.4   | 2.9   | 4.3   | 6.3   | 10.6  | 226.9 | 1197.0 | 1292.1 | 1305.6 |
| 65°   | 0.0   | 1.0   | 1.9   | 2.9   | 3.9   | 7.7   | 184.4 | 1080.7 | 1198.5 | 1248.2 |
| 67.5° | 0.0   | 0.0   | 1.0   | 1.9   | 2.4   | 5.8   | 139.0 | 983.2  | 1112.1 | 1179.7 |
| 70°   | 0.0   | 0.0   | 0.5   | 0.5   | 1.4   | 4.3   | 88.8  | 814.3  | 992.9  | 1030.0 |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 2.9   | 51.6  | 604.8  | 778.1  | 847.1  |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.4   | 26.1  | 389.0  | 541.6  | 634.2  |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.9   | 14.0  | 251.0  | 399.2  | 476.9  |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 8.2   | 145.8  | 255.3  | 309.4  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.4   | 71.4   | 152.5  | 178.6  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.0   | 38.1   | 76.3   | 100.4  |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.4    | 5.3    | 10.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

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