

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: P139866

Luminaire Tested: **ENT-F01-LED-E1-GZW-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139866  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33649)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENT-F01-LED-E1-GZW-7050  
Description: ENTRI LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2358.9 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.17' x H: 0')  
IES Classification: Type I - Short - Full 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

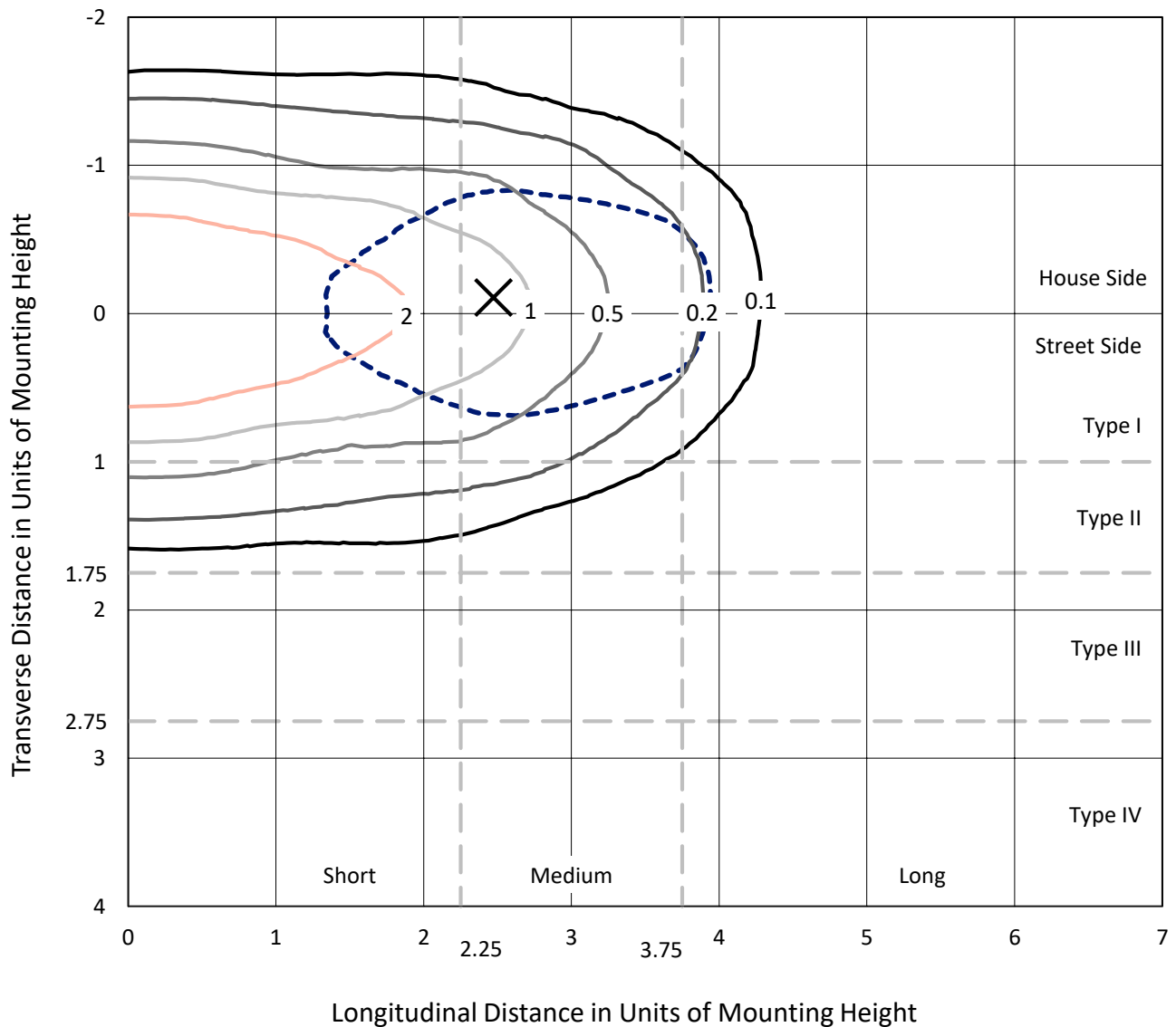


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### Iso-Footcandle Lines of Horizontal Illumination

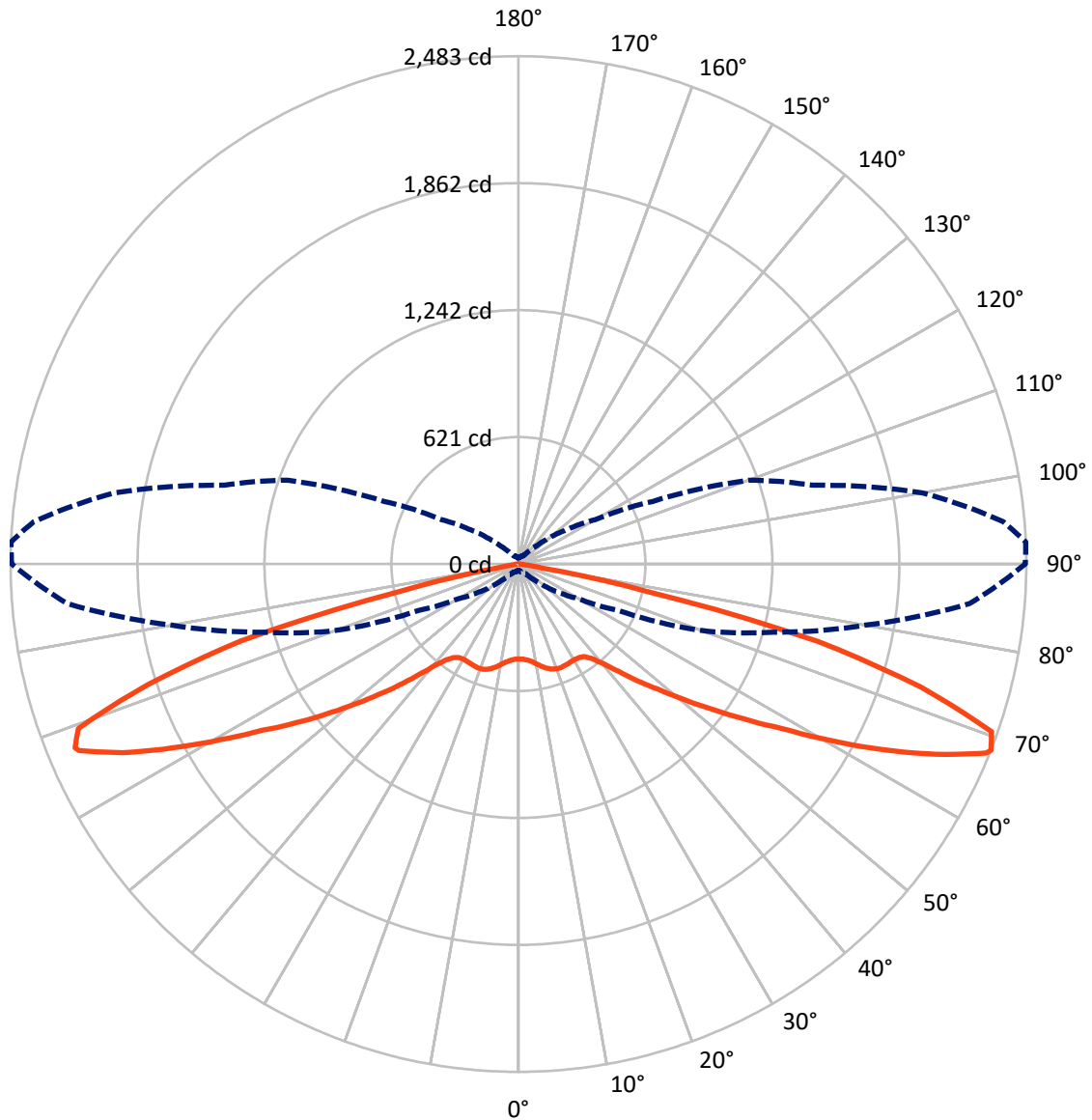
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92.5-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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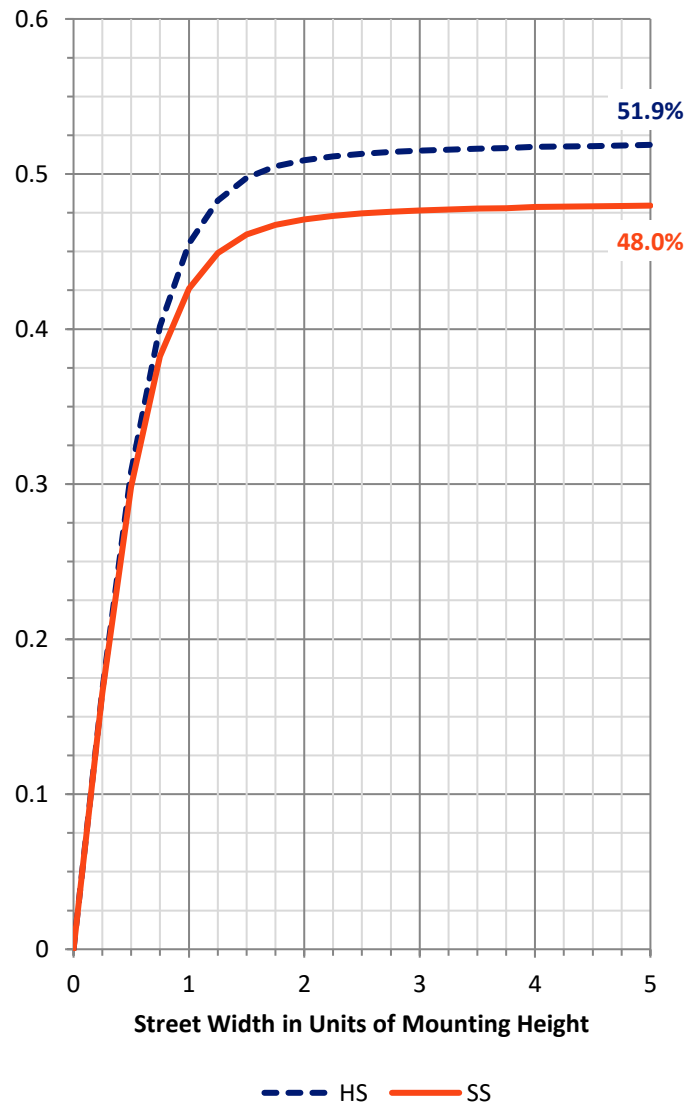
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1232.3   | 0.0    | 1232.3 |
|                    | % Fixture | 52.2     | 0.0    | 52.2   |
| <b>Street Side</b> | Lumens    | 1126.6   | 0.0    | 1126.6 |
|                    | % Fixture | 47.8     | 0.0    | 47.8   |
| <b>Total</b>       | Lumens    | 2358.9   | 0.0    | 2358.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.6   | 1.9       |
| 10°-20°   | 144.2  | 6.1       |
| 20°-30°   | 233.9  | 9.9       |
| 30°-40°   | 290.8  | 12.3      |
| 40°-50°   | 361.5  | 15.3      |
| 50°-60°   | 444.7  | 18.9      |
| 60°-70°   | 525.8  | 22.3      |
| 70°-80°   | 294.5  | 12.5      |
| 80°-90°   | 17.9   | 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°    | 2358.9 | 100.0     |
| 0°-180°   | 2358.9 | 100.0     |



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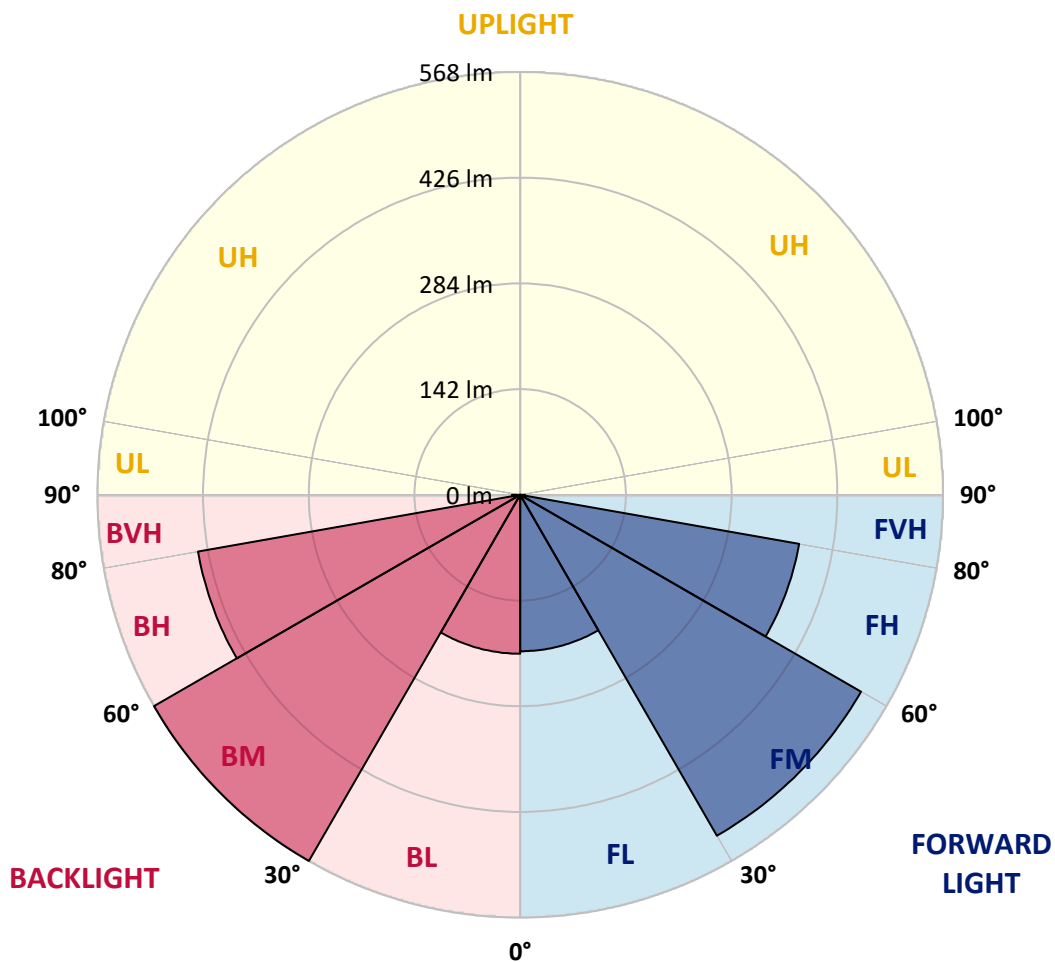
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 210.2  | 8.9       |                         |      |        |
| FM (30°-60°)   | 528.9  | 22.4      |                         |      |        |
| FH (60°-80°)   | 380.7  | 16.1      |                         |      | G0/660 |
| FVH (80°-90°)  | 6.8    | 0.3       |                         |      | G0/10  |
| BL (0°-30°)    | 213.5  | 9.1       | B1/500                  |      |        |
| BM (30°-60°)   | 568.2  | 24.1      | B1/1000                 |      |        |
| BH (60°-80°)   | 439.6  | 18.6      | B1/500                  |      | G1/500 |
| BVH (80°-90°)  | 11.1   | 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 I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 |
| 2.5°  | 465.9 | 465.9 | 465.9 | 466.3 | 466.7 | 467.6 | 467.2 | 468.0 | 466.7 | 468.4 | 468.4 |
| 5°    | 471.4 | 471.8 | 472.2 | 472.2 | 473.1 | 473.5 | 473.1 | 474.4 | 473.1 | 474.8 | 475.2 |
| 7.5°  | 476.5 | 476.5 | 476.9 | 477.3 | 478.2 | 479.0 | 479.4 | 480.7 | 480.3 | 482.0 | 483.7 |
| 10°   | 480.3 | 479.9 | 480.3 | 481.1 | 483.3 | 484.5 | 486.2 | 487.9 | 488.8 | 490.5 | 493.0 |
| 12.5° | 482.0 | 481.6 | 482.8 | 485.0 | 487.1 | 489.6 | 492.2 | 496.0 | 498.5 | 501.0 | 504.9 |
| 15°   | 481.1 | 481.1 | 482.8 | 485.4 | 489.6 | 494.3 | 498.9 | 504.0 | 508.7 | 514.2 | 518.0 |
| 17.5° | 473.1 | 473.9 | 476.5 | 480.7 | 487.1 | 494.3 | 501.9 | 510.4 | 518.0 | 525.6 | 530.7 |
| 20°   | 458.7 | 459.5 | 464.2 | 469.3 | 477.8 | 488.3 | 500.2 | 512.5 | 524.3 | 534.5 | 541.7 |
| 22.5° | 440.9 | 440.1 | 444.3 | 451.1 | 462.5 | 475.2 | 490.5 | 508.7 | 524.8 | 539.2 | 549.3 |
| 25°   | 413.4 | 413.4 | 418.0 | 426.5 | 438.8 | 454.5 | 473.1 | 496.4 | 518.0 | 536.6 | 551.0 |
| 27.5° | 384.1 | 384.6 | 390.5 | 397.7 | 411.7 | 426.5 | 448.1 | 475.2 | 501.5 | 526.0 | 547.2 |
| 30°   | 354.9 | 356.2 | 361.3 | 368.5 | 383.3 | 399.0 | 421.0 | 447.7 | 476.1 | 506.6 | 535.4 |
| 32.5° | 324.9 | 326.5 | 330.8 | 339.3 | 355.3 | 372.7 | 395.2 | 418.9 | 446.0 | 479.4 | 516.7 |
| 35°   | 296.5 | 297.7 | 301.1 | 311.3 | 327.8 | 346.5 | 371.4 | 394.3 | 421.8 | 452.8 | 493.8 |
| 37.5° | 269.8 | 271.1 | 274.9 | 285.5 | 302.0 | 320.6 | 345.2 | 371.0 | 399.4 | 429.9 | 470.6 |
| 40°   | 241.0 | 244.0 | 249.0 | 259.2 | 274.5 | 295.6 | 320.6 | 347.7 | 377.8 | 412.5 | 454.0 |
| 42.5° | 214.7 | 217.3 | 221.9 | 230.8 | 246.1 | 268.5 | 294.8 | 322.7 | 355.3 | 394.7 | 441.7 |
| 45°   | 190.6 | 192.7 | 197.4 | 205.4 | 221.5 | 239.3 | 263.0 | 292.2 | 326.1 | 371.4 | 428.6 |
| 47.5° | 167.3 | 169.4 | 174.5 | 184.2 | 197.4 | 214.7 | 235.9 | 261.7 | 293.1 | 339.3 | 403.6 |
| 50°   | 144.0 | 146.1 | 151.2 | 160.9 | 173.7 | 190.6 | 210.1 | 233.4 | 264.3 | 304.1 | 367.2 |
| 52.5° | 118.6 | 120.7 | 125.8 | 135.5 | 147.8 | 163.9 | 183.8 | 208.0 | 236.8 | 274.5 | 326.5 |
| 55°   | 91.1  | 94.0  | 98.7  | 106.7 | 119.9 | 136.0 | 155.9 | 182.1 | 211.3 | 248.2 | 296.5 |
| 57.5° | 65.6  | 67.8  | 73.3  | 79.6  | 90.6  | 107.6 | 125.4 | 152.5 | 185.1 | 222.8 | 270.6 |
| 60°   | 47.9  | 50.0  | 53.8  | 58.9  | 66.5  | 78.8  | 94.4  | 119.9 | 155.9 | 198.2 | 247.3 |
| 62.5° | 39.8  | 41.5  | 45.3  | 50.4  | 54.6  | 60.6  | 69.9  | 89.4  | 124.5 | 171.5 | 223.2 |
| 65°   | 35.2  | 36.4  | 39.8  | 44.9  | 48.3  | 50.8  | 54.6  | 67.8  | 96.6  | 142.7 | 199.5 |
| 67.5° | 31.3  | 32.6  | 35.2  | 39.4  | 43.2  | 44.5  | 46.6  | 55.5  | 75.8  | 116.0 | 174.5 |
| 68°   | 30.9  | 32.2  | 34.3  | 38.1  | 41.9  | 43.2  | 45.3  | 54.2  | 73.7  | 110.5 | 167.7 |
| 70°   | 28.8  | 29.6  | 31.8  | 34.7  | 37.7  | 38.5  | 41.1  | 50.0  | 69.0  | 96.6  | 136.0 |
| 72.5° | 26.3  | 26.7  | 28.0  | 30.5  | 33.5  | 33.9  | 36.4  | 43.6  | 54.2  | 71.2  | 101.2 |
| 75°   | 22.0  | 22.4  | 24.1  | 26.3  | 28.0  | 28.8  | 29.6  | 33.0  | 36.8  | 44.0  | 59.7  |
| 77.5° | 16.9  | 17.8  | 19.1  | 20.3  | 22.9  | 23.7  | 22.9  | 25.4  | 27.1  | 30.1  | 36.4  |
| 80°   | 10.2  | 10.2  | 11.4  | 12.7  | 14.0  | 16.1  | 15.2  | 17.8  | 19.1  | 20.8  | 24.6  |
| 82.5° | 1.7   | 2.1   | 2.1   | 3.0   | 3.8   | 4.7   | 5.1   | 6.4   | 8.0   | 9.7   | 13.1  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   | 1.3   |
| 87.5° | 0.0   | 0.0   | 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°    | 80°    | 85°    | 90°    | 92.5°  | 95°    | 100°   |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 463.8 | 463.8 | 463.8 | 463.8 | 463.8  | 463.8  | 463.8  | 463.8  | 463.8  | 463.8  | 463.8  |
| 2.5°  | 465.9 | 467.2 | 467.2 | 466.7 | 466.7  | 466.7  | 465.5  | 465.9  | 466.3  | 467.6  | 465.9  |
| 5°    | 472.7 | 473.9 | 473.5 | 473.1 | 473.1  | 473.1  | 471.4  | 471.8  | 472.2  | 473.1  | 471.4  |
| 7.5°  | 481.6 | 482.8 | 483.3 | 483.3 | 483.3  | 484.1  | 481.6  | 481.6  | 482.4  | 483.3  | 480.7  |
| 10°   | 494.7 | 494.7 | 496.0 | 496.8 | 497.7  | 498.5  | 496.8  | 496.0  | 497.7  | 497.7  | 494.7  |
| 12.5° | 507.0 | 507.8 | 509.9 | 511.6 | 512.1  | 513.8  | 513.8  | 513.3  | 514.6  | 514.2  | 510.8  |
| 15°   | 521.0 | 521.8 | 523.5 | 525.6 | 526.0  | 527.7  | 527.7  | 528.2  | 529.4  | 530.3  | 525.2  |
| 17.5° | 534.1 | 535.4 | 535.4 | 535.8 | 536.6  | 537.9  | 538.7  | 539.2  | 540.4  | 541.3  | 536.2  |
| 20°   | 545.1 | 546.4 | 544.2 | 542.6 | 540.9  | 541.7  | 543.4  | 545.1  | 545.9  | 546.4  | 540.0  |
| 22.5° | 553.6 | 554.0 | 550.6 | 545.9 | 541.3  | 540.9  | 543.0  | 545.9  | 546.8  | 546.4  | 537.5  |
| 25°   | 558.2 | 559.5 | 556.1 | 548.9 | 540.4  | 537.5  | 539.6  | 543.4  | 545.1  | 543.4  | 532.8  |
| 27.5° | 558.2 | 562.9 | 561.2 | 553.6 | 542.1  | 534.1  | 535.4  | 541.3  | 542.6  | 540.4  | 528.2  |
| 30°   | 554.0 | 563.7 | 565.8 | 561.2 | 549.3  | 535.4  | 533.7  | 540.4  | 542.1  | 538.3  | 526.0  |
| 32.5° | 545.5 | 563.3 | 571.8 | 572.2 | 562.9  | 545.5  | 537.0  | 543.8  | 545.1  | 540.4  | 530.3  |
| 35°   | 533.7 | 562.9 | 579.4 | 587.4 | 584.5  | 567.1  | 552.3  | 556.5  | 555.7  | 550.6  | 546.8  |
| 37.5° | 520.5 | 562.9 | 590.4 | 609.0 | 615.8  | 606.9  | 587.4  | 585.3  | 587.4  | 579.8  | 577.7  |
| 40°   | 506.1 | 564.2 | 606.1 | 639.1 | 659.4  | 662.4  | 645.0  | 639.1  | 641.7  | 634.5  | 637.4  |
| 42.5° | 497.7 | 565.8 | 626.8 | 674.3 | 713.7  | 743.7  | 736.1  | 718.3  | 717.0  | 717.9  | 724.2  |
| 45°   | 493.4 | 570.1 | 647.6 | 714.1 | 769.1  | 836.1  | 843.3  | 811.5  | 813.2  | 817.9  | 827.6  |
| 47.5° | 488.8 | 578.1 | 671.7 | 755.6 | 829.7  | 923.7  | 958.9  | 916.1  | 912.7  | 930.1  | 933.1  |
| 50°   | 471.8 | 587.9 | 699.3 | 802.2 | 893.2  | 1022.4 | 1077.9 | 1034.3 | 1035.1 | 1051.2 | 1045.3 |
| 52.5° | 432.9 | 588.3 | 728.5 | 848.8 | 956.8  | 1119.8 | 1204.1 | 1175.3 | 1173.2 | 1188.9 | 1157.5 |
| 55°   | 379.1 | 561.6 | 752.2 | 894.5 | 1016.9 | 1210.5 | 1334.6 | 1340.9 | 1336.7 | 1339.2 | 1271.5 |
| 57.5° | 335.9 | 496.0 | 754.7 | 933.1 | 1067.7 | 1296.4 | 1468.4 | 1514.1 | 1514.6 | 1503.6 | 1383.3 |
| 60°   | 307.9 | 422.3 | 721.7 | 964.8 | 1127.0 | 1406.1 | 1642.9 | 1745.4 | 1751.3 | 1706.4 | 1532.8 |
| 62.5° | 284.6 | 385.0 | 653.5 | 997.4 | 1195.2 | 1517.1 | 1831.0 | 1999.5 | 1999.9 | 1925.0 | 1697.5 |
| 65°   | 266.4 | 364.7 | 578.6 | 985.1 | 1247.7 | 1624.7 | 2030.0 | 2255.3 | 2244.3 | 2161.7 | 1853.8 |
| 67.5° | 246.1 | 346.5 | 543.8 | 966.1 | 1292.6 | 1724.2 | 2205.4 | 2464.1 | 2467.1 | 2365.5 | 1998.7 |
| 68°   | 241.8 | 339.7 | 534.9 | 950.0 | 1287.6 | 1720.8 | 2214.7 | 2478.1 | 2483.2 | 2378.6 | 2005.0 |
| 70°   | 208.4 | 296.5 | 465.5 | 829.7 | 1196.1 | 1628.9 | 2155.4 | 2438.7 | 2454.4 | 2337.5 | 1934.3 |
| 72.5° | 138.9 | 205.0 | 310.9 | 586.2 | 921.6  | 1294.3 | 1764.5 | 2042.7 | 2055.9 | 1977.1 | 1606.5 |
| 75°   | 88.1  | 124.5 | 165.2 | 338.0 | 619.2  | 928.8  | 1330.3 | 1492.5 | 1514.1 | 1488.3 | 1202.8 |
| 77.5° | 53.4  | 87.2  | 101.6 | 163.9 | 326.1  | 434.5  | 601.0  | 611.6  | 636.2  | 620.9  | 623.4  |
| 80°   | 35.2  | 60.6  | 74.1  | 111.4 | 113.1  | 93.6   | 106.3  | 107.2  | 113.5  | 120.7  | 125.8  |
| 82.5° | 19.9  | 36.8  | 51.7  | 76.2  | 67.3   | 34.7   | 29.6   | 30.9   | 31.8   | 32.6   | 38.5   |
| 85°   | 3.0   | 6.8   | 14.4  | 23.7  | 24.1   | 11.4   | 10.6   | 9.7    | 10.2   | 11.0   | 14.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.4    | 0.8    | 1.3    | 1.3    | 1.3    | 2.5    | 2.5    |
| 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):**

|       | 105°   | 110°   | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 463.8  | 463.8  | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 |
| 2.5°  | 465.5  | 465.0  | 465.5 | 464.2 | 465.5 | 465.0 | 465.0 | 465.0 | 464.6 | 465.0 | 465.0 |
| 5°    | 470.6  | 470.6  | 470.6 | 469.7 | 470.6 | 470.6 | 470.6 | 470.6 | 470.1 | 470.6 | 471.0 |
| 7.5°  | 480.3  | 480.3  | 479.9 | 478.6 | 479.4 | 479.4 | 479.0 | 478.2 | 477.3 | 477.8 | 477.3 |
| 10°   | 493.4  | 494.3  | 491.7 | 491.7 | 490.5 | 488.8 | 487.5 | 486.2 | 485.8 | 485.0 | 483.3 |
| 12.5° | 509.5  | 509.1  | 505.7 | 504.4 | 503.6 | 500.2 | 497.7 | 496.4 | 494.7 | 492.6 | 490.0 |
| 15°   | 523.9  | 522.2  | 519.7 | 518.4 | 517.1 | 513.3 | 509.9 | 507.0 | 504.9 | 501.9 | 498.1 |
| 17.5° | 533.7  | 532.0  | 530.7 | 530.3 | 530.3 | 526.9 | 523.9 | 520.1 | 515.4 | 509.9 | 503.6 |
| 20°   | 535.8  | 535.8  | 536.2 | 538.7 | 541.3 | 540.0 | 536.6 | 532.0 | 525.2 | 516.3 | 506.6 |
| 22.5° | 532.8  | 534.5  | 538.3 | 544.7 | 550.2 | 550.6 | 547.2 | 540.4 | 529.0 | 516.3 | 501.9 |
| 25°   | 527.7  | 532.4  | 540.4 | 549.3 | 557.0 | 557.0 | 551.0 | 541.3 | 525.6 | 507.4 | 488.3 |
| 27.5° | 525.2  | 534.5  | 545.9 | 555.3 | 560.3 | 557.4 | 546.8 | 532.8 | 511.2 | 487.9 | 465.9 |
| 30°   | 528.2  | 542.6  | 554.8 | 561.2 | 562.0 | 552.3 | 534.1 | 513.3 | 487.9 | 460.0 | 437.5 |
| 32.5° | 539.2  | 556.5  | 565.8 | 567.1 | 561.2 | 543.0 | 514.6 | 485.8 | 457.4 | 431.6 | 408.7 |
| 35°   | 561.6  | 576.4  | 579.8 | 574.7 | 559.9 | 529.4 | 488.8 | 454.9 | 429.5 | 404.9 | 381.2 |
| 37.5° | 598.0  | 604.8  | 598.5 | 583.6 | 555.7 | 512.9 | 465.0 | 432.0 | 404.9 | 380.8 | 354.5 |
| 40°   | 649.7  | 642.1  | 623.9 | 594.6 | 551.0 | 494.7 | 446.4 | 413.4 | 383.3 | 356.6 | 330.4 |
| 42.5° | 714.1  | 687.4  | 649.7 | 607.4 | 545.9 | 482.8 | 432.9 | 394.7 | 361.7 | 332.1 | 304.5 |
| 45°   | 786.1  | 736.5  | 685.3 | 621.8 | 544.2 | 475.6 | 416.8 | 371.9 | 333.3 | 303.7 | 276.6 |
| 47.5° | 859.4  | 788.6  | 721.3 | 637.4 | 546.4 | 462.9 | 392.2 | 341.8 | 301.6 | 272.8 | 247.3 |
| 50°   | 933.5  | 847.1  | 763.2 | 657.8 | 545.1 | 437.1 | 358.7 | 307.5 | 270.2 | 244.4 | 221.5 |
| 52.5° | 1008.0 | 909.3  | 806.4 | 676.0 | 528.2 | 396.4 | 321.9 | 278.3 | 242.3 | 217.3 | 194.8 |
| 55°   | 1081.3 | 969.9  | 848.8 | 681.5 | 479.0 | 353.7 | 291.0 | 249.0 | 213.5 | 188.1 | 163.5 |
| 57.5° | 1150.8 | 1024.5 | 878.4 | 649.3 | 418.5 | 320.2 | 263.4 | 222.4 | 184.7 | 155.4 | 131.3 |
| 60°   | 1237.2 | 1076.6 | 886.9 | 571.4 | 370.2 | 292.2 | 238.5 | 191.4 | 149.1 | 118.2 | 96.1  |
| 62.5° | 1331.6 | 1147.4 | 873.8 | 496.8 | 341.8 | 267.7 | 207.5 | 155.0 | 113.9 | 83.9  | 67.3  |
| 65°   | 1401.1 | 1176.6 | 807.3 | 457.0 | 324.0 | 243.5 | 174.5 | 120.3 | 78.8  | 57.6  | 51.2  |
| 67.5° | 1493.4 | 1205.4 | 738.6 | 437.5 | 304.5 | 212.2 | 134.7 | 86.8  | 61.0  | 47.9  | 44.0  |
| 68°   | 1487.0 | 1197.3 | 724.2 | 432.4 | 298.6 | 201.2 | 127.1 | 85.1  | 59.3  | 46.6  | 42.8  |
| 70°   | 1401.1 | 1098.7 | 629.0 | 383.3 | 247.3 | 156.7 | 109.3 | 77.5  | 54.6  | 42.4  | 39.0  |
| 72.5° | 1149.5 | 852.2  | 451.1 | 252.4 | 160.9 | 114.8 | 80.9  | 58.4  | 45.3  | 37.3  | 34.7  |
| 75°   | 813.6  | 532.8  | 226.2 | 145.3 | 101.2 | 66.5  | 45.7  | 37.7  | 33.5  | 29.6  | 29.6  |
| 77.5° | 457.4  | 278.7  | 119.4 | 99.5  | 57.2  | 38.5  | 30.5  | 28.4  | 26.3  | 24.1  | 26.7  |
| 80°   | 149.1  | 145.3  | 88.1  | 68.2  | 39.8  | 28.4  | 23.7  | 22.4  | 21.2  | 19.1  | 23.7  |
| 82.5° | 80.5   | 99.5   | 63.5  | 48.7  | 29.2  | 20.3  | 17.8  | 18.2  | 16.5  | 14.8  | 17.8  |
| 85°   | 36.0   | 47.4   | 42.4  | 33.9  | 18.2  | 11.4  | 9.3   | 11.0  | 9.7   | 8.9   | 8.5   |
| 87.5° | 14.0   | 23.3   | 16.9  | 9.7   | 4.2   | 2.5   | 2.5   | 2.1   | 1.7   | 1.7   | 1.3   |
| 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°    | 463.8 | 463.8 | 463.8 | 463.8 | 463.8 |
| 2.5°  | 463.8 | 463.8 | 463.4 | 462.9 | 462.1 |
| 5°    | 469.7 | 469.7 | 469.3 | 468.9 | 468.0 |
| 7.5°  | 476.1 | 475.6 | 475.2 | 474.8 | 473.9 |
| 10°   | 482.8 | 482.0 | 482.0 | 482.4 | 482.0 |
| 12.5° | 489.6 | 488.3 | 487.1 | 486.6 | 487.9 |
| 15°   | 496.4 | 493.8 | 491.7 | 491.3 | 491.3 |
| 17.5° | 500.2 | 496.0 | 492.2 | 490.9 | 490.9 |
| 20°   | 499.4 | 491.7 | 486.6 | 484.1 | 484.5 |
| 22.5° | 491.3 | 480.7 | 473.9 | 470.6 | 469.3 |
| 25°   | 474.4 | 461.7 | 453.2 | 448.5 | 449.0 |
| 27.5° | 449.0 | 435.4 | 426.1 | 423.5 | 421.0 |
| 30°   | 418.9 | 405.3 | 396.0 | 390.5 | 390.9 |
| 32.5° | 389.2 | 374.4 | 365.9 | 359.6 | 358.7 |
| 35°   | 360.9 | 344.8 | 334.6 | 329.9 | 329.1 |
| 37.5° | 332.9 | 316.0 | 306.6 | 302.4 | 299.4 |
| 40°   | 307.1 | 291.8 | 280.8 | 274.5 | 273.2 |
| 42.5° | 281.7 | 264.3 | 253.3 | 248.6 | 247.3 |
| 45°   | 252.9 | 236.3 | 226.6 | 222.8 | 221.9 |
| 47.5° | 227.0 | 211.3 | 203.3 | 198.2 | 196.5 |
| 50°   | 202.0 | 187.2 | 177.9 | 173.2 | 172.4 |
| 52.5° | 175.8 | 160.9 | 151.2 | 147.4 | 144.0 |
| 55°   | 147.0 | 131.3 | 121.6 | 114.8 | 112.2 |
| 57.5° | 113.5 | 99.5  | 89.4  | 84.7  | 80.0  |
| 60°   | 81.3  | 69.0  | 61.0  | 57.2  | 53.8  |
| 62.5° | 57.6  | 49.6  | 44.5  | 40.7  | 38.5  |
| 65°   | 47.4  | 43.6  | 38.1  | 34.7  | 33.0  |
| 67.5° | 41.9  | 38.1  | 33.9  | 30.9  | 29.6  |
| 68°   | 41.1  | 37.3  | 33.0  | 30.1  | 29.2  |
| 70°   | 37.7  | 33.9  | 30.1  | 28.0  | 27.1  |
| 72.5° | 33.5  | 30.5  | 27.1  | 25.0  | 24.1  |
| 75°   | 28.8  | 25.8  | 23.7  | 22.0  | 20.8  |
| 77.5° | 25.4  | 21.2  | 20.3  | 18.6  | 17.8  |
| 80°   | 21.2  | 19.1  | 17.4  | 16.1  | 15.2  |
| 82.5° | 17.4  | 14.4  | 12.3  | 11.0  | 10.6  |
| 85°   | 9.7   | 8.9   | 7.2   | 5.5   | 5.1   |
| 87.5° | 0.8   | 0.4   | 0.4   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)