

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: P155348

Luminaire Tested: **VXM-E01-LED-E1-T3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155348  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-E01-LED-E1-T3-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2602.8 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7  
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



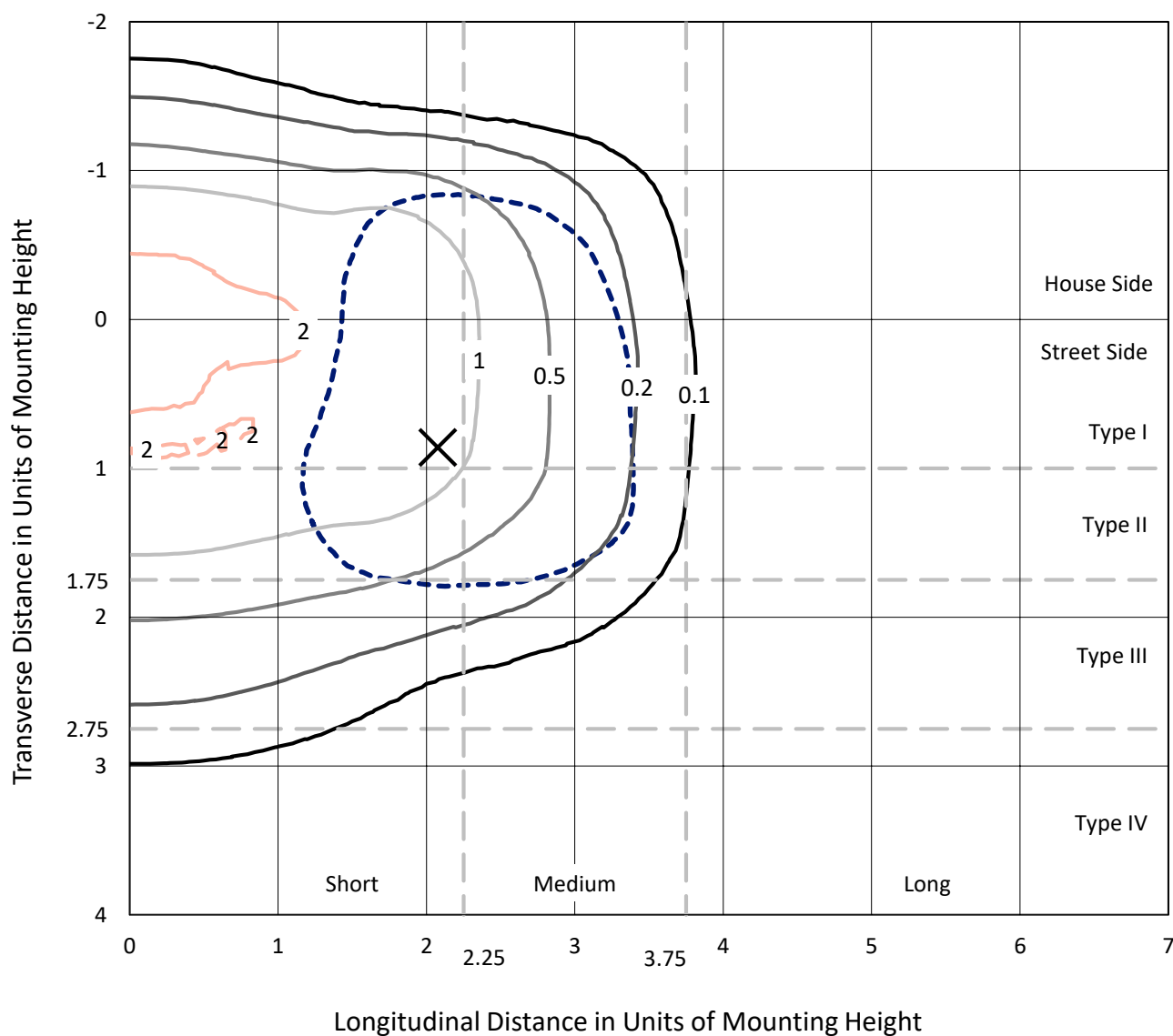
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

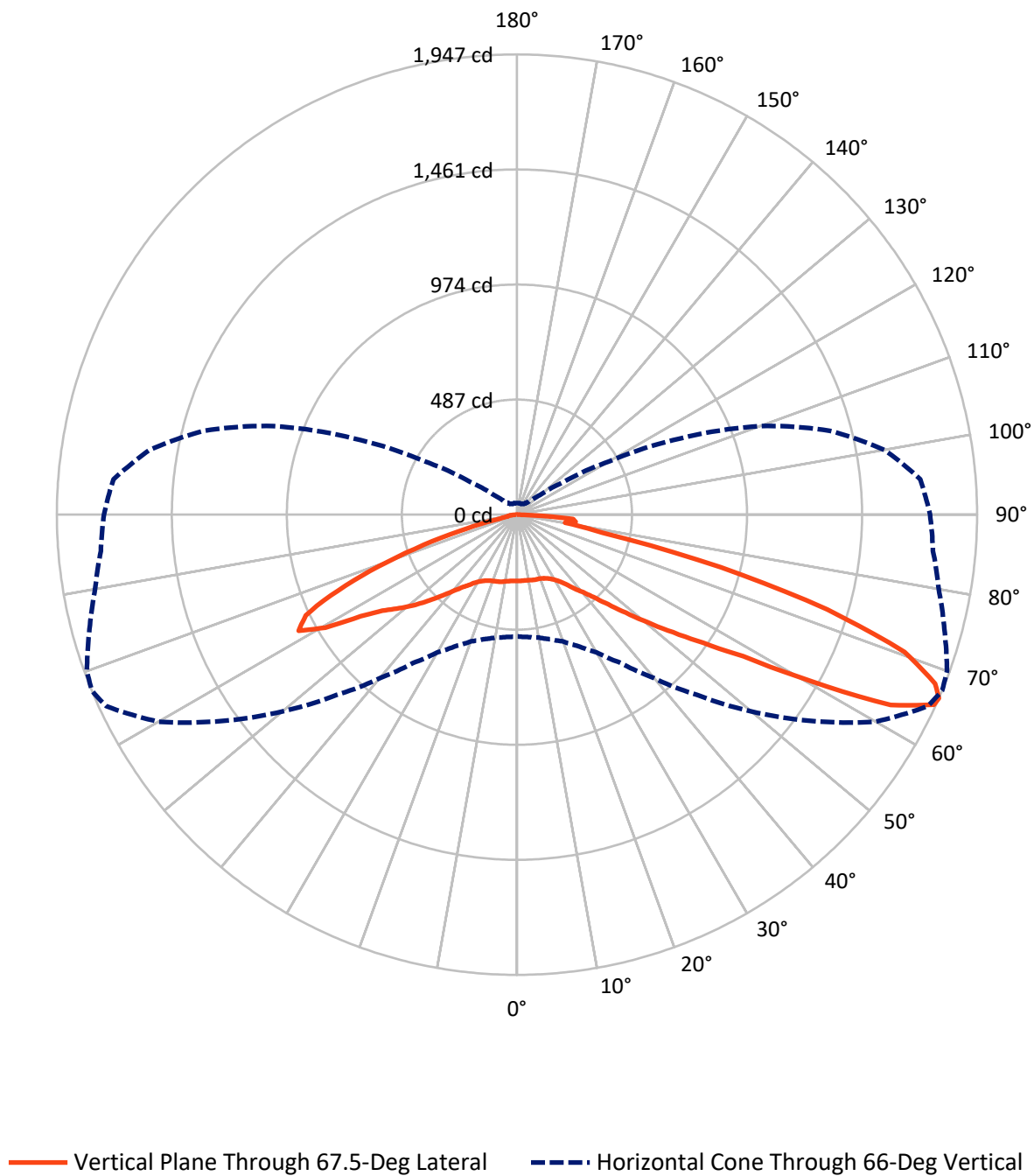


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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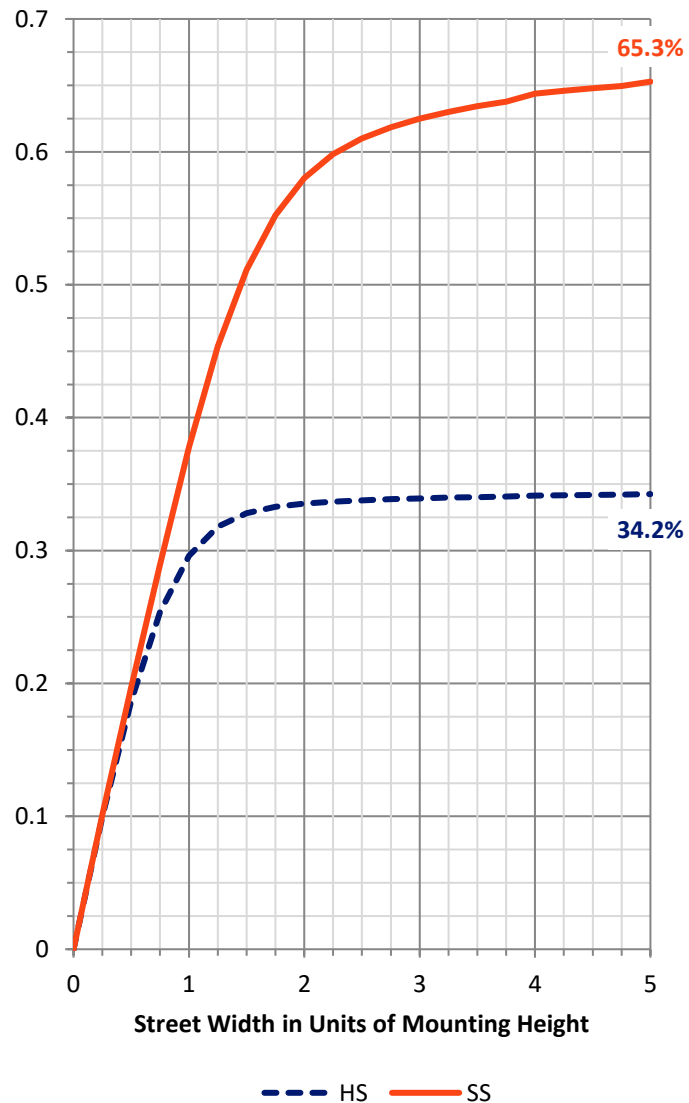
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 898.8    | 0.0    | 898.8  |
|                    | % Fixture | 34.5     | 0.0    | 34.5   |
| <b>Street Side</b> | Lumens    | 1704.0   | 0.0    | 1704.0 |
|                    | % Fixture | 65.5     | 0.0    | 65.5   |
| <b>Total</b>       | Lumens    | 2602.8   | 0.0    | 2602.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.9   | 1.0       |
| 10°-20°   | 79.3   | 3.0       |
| 20°-30°   | 136.3  | 5.2       |
| 30°-40°   | 221.3  | 8.5       |
| 40°-50°   | 369.4  | 14.2      |
| 50°-60°   | 581.6  | 22.3      |
| 60°-70°   | 793.1  | 30.5      |
| 70°-80°   | 343.3  | 13.2      |
| 80°-90°   | 51.6   | 2.0       |
| 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°    | 2602.8 | 100.0     |
| 0°-180°   | 2602.8 | 100.0     |

**Coefficient of Utilization**



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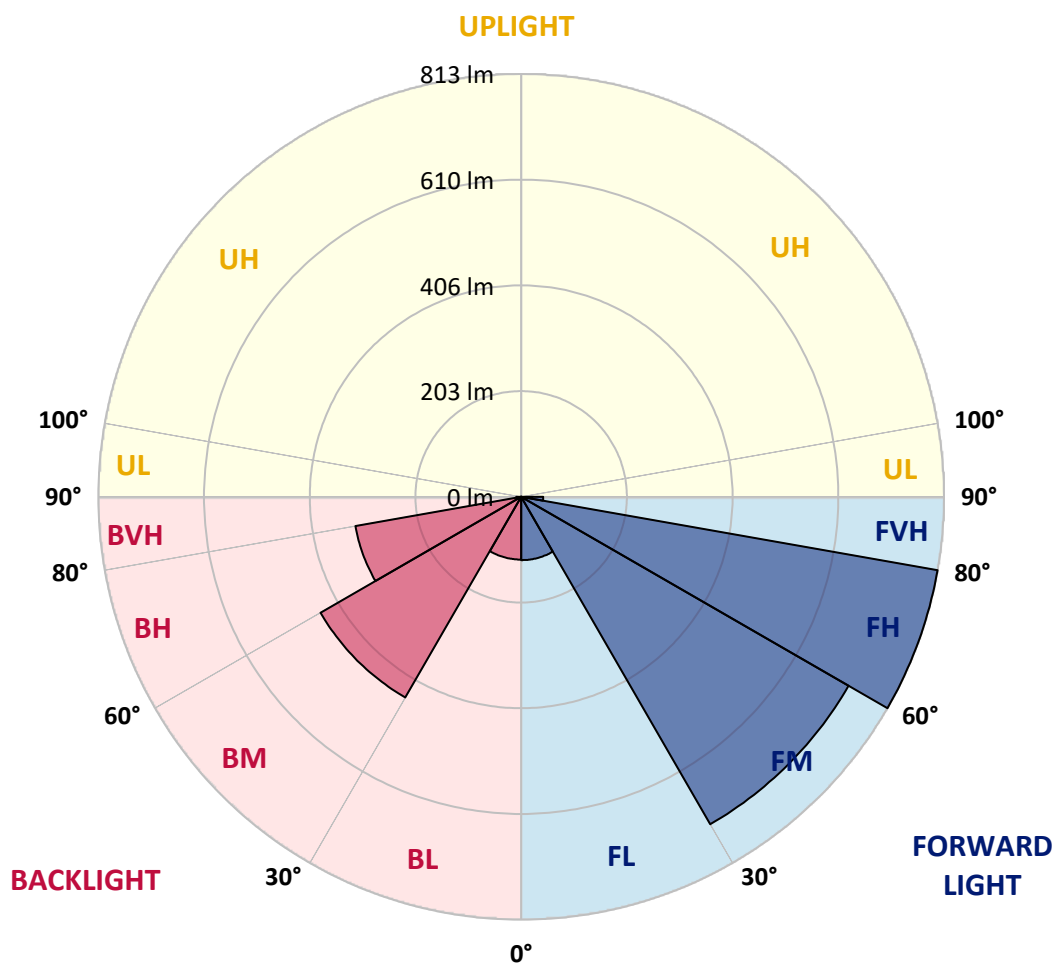
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 121.8  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 726.9  | 27.9      |                         |      |         |
| FH   | (60°-80°)   | 812.9  | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 42.4   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 120.7  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 445.4  | 17.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 323.5  | 12.4      | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.2    | 0.4       |                         |      | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°    | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0°    | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5  | 280.5  |
| 2.5°  | 281.6 | 282.7 | 281.6 | 281.9 | 282.2 | 281.9 | 281.6 | 281.6 | 280.8 | 281.3  | 281.9  |
| 5°    | 280.5 | 281.3 | 281.0 | 281.3 | 281.6 | 281.3 | 281.0 | 281.3 | 280.8 | 281.0  | 281.9  |
| 7.5°  | 279.1 | 278.8 | 279.1 | 279.6 | 280.2 | 280.2 | 280.2 | 280.5 | 280.2 | 280.2  | 281.0  |
| 10°   | 274.9 | 275.1 | 275.7 | 276.5 | 276.8 | 277.7 | 277.7 | 278.5 | 278.8 | 279.4  | 280.5  |
| 12.5° | 269.5 | 269.8 | 270.4 | 270.9 | 272.3 | 273.7 | 273.7 | 275.7 | 276.5 | 278.0  | 279.9  |
| 15°   | 265.6 | 265.9 | 266.4 | 267.0 | 268.1 | 269.5 | 270.4 | 272.6 | 274.0 | 276.5  | 279.4  |
| 17.5° | 267.8 | 267.5 | 268.1 | 268.4 | 268.4 | 269.5 | 269.5 | 271.2 | 272.9 | 275.1  | 278.8  |
| 20°   | 274.3 | 274.3 | 274.9 | 274.9 | 274.6 | 275.1 | 274.0 | 274.0 | 274.3 | 275.4  | 278.0  |
| 22.5° | 280.8 | 280.5 | 281.6 | 282.2 | 282.5 | 283.3 | 282.2 | 281.9 | 280.5 | 279.6  | 280.5  |
| 25°   | 287.0 | 286.7 | 288.1 | 288.9 | 290.3 | 291.2 | 291.2 | 291.2 | 290.1 | 288.6  | 287.8  |
| 27.5° | 296.5 | 296.5 | 297.9 | 298.8 | 299.9 | 301.6 | 302.4 | 302.4 | 302.7 | 300.7  | 299.3  |
| 30°   | 312.6 | 312.8 | 313.1 | 314.2 | 315.4 | 315.9 | 317.1 | 317.9 | 318.7 | 317.6  | 315.4  |
| 32.5° | 331.7 | 330.0 | 330.0 | 331.7 | 333.1 | 334.8 | 335.3 | 336.5 | 338.2 | 337.3  | 337.0  |
| 35°   | 354.5 | 353.9 | 353.4 | 353.9 | 355.6 | 357.6 | 359.8 | 361.8 | 360.7 | 362.4  | 361.5  |
| 37.5° | 388.2 | 388.8 | 389.1 | 389.1 | 388.8 | 389.4 | 390.5 | 392.5 | 391.9 | 392.5  | 393.6  |
| 40°   | 443.9 | 442.0 | 440.0 | 440.3 | 437.5 | 438.0 | 433.5 | 435.5 | 435.8 | 433.8  | 434.7  |
| 42.5° | 499.6 | 500.8 | 501.6 | 503.9 | 501.9 | 500.8 | 496.5 | 496.5 | 494.3 | 492.3  | 491.8  |
| 45°   | 559.8 | 562.1 | 562.4 | 566.9 | 565.2 | 568.8 | 571.9 | 571.1 | 567.4 | 567.2  | 563.2  |
| 47.5° | 608.0 | 611.6 | 615.6 | 620.9 | 625.1 | 633.3 | 642.8 | 647.6 | 650.4 | 652.7  | 648.2  |
| 50°   | 644.0 | 645.7 | 655.8 | 664.2 | 673.5 | 687.0 | 700.2 | 717.4 | 731.2 | 737.6  | 743.8  |
| 52.5° | 663.4 | 667.6 | 678.6 | 691.8 | 708.1 | 728.4 | 749.7 | 777.0 | 800.7 | 816.4  | 830.5  |
| 55°   | 667.6 | 671.8 | 684.2 | 701.1 | 723.3 | 750.6 | 781.3 | 818.4 | 853.8 | 884.2  | 913.8  |
| 57.5° | 655.8 | 660.6 | 673.8 | 693.2 | 719.4 | 752.6 | 791.1 | 839.8 | 888.7 | 938.0  | 981.6  |
| 60°   | 634.1 | 640.0 | 652.1 | 671.3 | 700.2 | 737.6 | 783.8 | 844.8 | 913.5 | 988.9  | 1072.4 |
| 62.5° | 598.4 | 604.6 | 615.8 | 636.9 | 666.8 | 708.1 | 761.6 | 837.5 | 934.6 | 1053.3 | 1201.6 |
| 65°   | 541.0 | 543.8 | 557.6 | 579.0 | 605.4 | 651.0 | 709.8 | 801.5 | 927.8 | 1093.0 | 1297.2 |
| 66°   | 515.1 | 519.9 | 528.3 | 545.5 | 570.8 | 613.6 | 672.7 | 765.8 | 902.2 | 1079.2 | 1294.7 |
| 67.5° | 474.6 | 478.3 | 483.9 | 495.4 | 510.9 | 542.4 | 598.4 | 686.4 | 824.0 | 1009.4 | 1240.9 |
| 70°   | 383.7 | 385.4 | 393.0 | 397.0 | 402.3 | 412.7 | 433.0 | 483.6 | 590.8 | 764.9  | 1001.5 |
| 72.5° | 261.6 | 266.4 | 274.6 | 285.8 | 300.5 | 314.5 | 324.1 | 330.6 | 353.6 | 456.3  | 667.3  |
| 75°   | 191.9 | 196.9 | 207.3 | 222.3 | 247.9 | 277.1 | 307.5 | 321.6 | 312.0 | 298.8  | 371.6  |
| 77.5° | 111.4 | 118.2 | 126.9 | 141.2 | 164.9 | 203.7 | 255.7 | 301.9 | 333.1 | 335.1  | 318.2  |
| 80°   | 47.0  | 47.8  | 53.2  | 60.5  | 75.1  | 102.4 | 142.9 | 209.3 | 278.5 | 325.2  | 336.2  |
| 82.5° | 10.7  | 13.2  | 16.9  | 20.0  | 24.5  | 33.8  | 50.1  | 83.3  | 150.5 | 236.0  | 307.8  |
| 85°   | 3.9   | 3.9   | 5.3   | 7.9   | 9.0   | 10.1  | 13.2  | 21.1  | 36.0  | 66.4   | 138.4  |
| 87.5° | 0.0   | 0.3   | 0.6   | 0.6   | 1.1   | 1.4   | 2.3   | 3.1   | 2.8   | 2.5    | 8.4    |
| 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°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  | 280.5  |
| 2.5°  | 281.3  | 281.0  | 280.5  | 280.5  | 280.5  | 280.5  | 279.9  | 280.2  | 279.6  | 279.9  | 279.9  |
| 5°    | 281.0  | 281.0  | 280.8  | 280.2  | 280.5  | 280.5  | 280.8  | 280.2  | 280.2  | 280.5  | 280.2  |
| 7.5°  | 281.0  | 280.8  | 280.8  | 280.8  | 281.0  | 280.8  | 281.0  | 281.0  | 281.0  | 281.3  | 281.3  |
| 10°   | 281.0  | 281.0  | 281.6  | 281.9  | 281.9  | 282.2  | 283.0  | 283.0  | 283.3  | 283.6  | 284.1  |
| 12.5° | 281.3  | 282.5  | 283.3  | 284.1  | 284.4  | 285.0  | 286.4  | 286.4  | 287.0  | 287.8  | 288.1  |
| 15°   | 281.6  | 283.3  | 285.0  | 285.6  | 286.1  | 287.2  | 288.6  | 289.2  | 290.1  | 290.9  | 291.5  |
| 17.5° | 281.3  | 283.6  | 285.6  | 286.4  | 287.2  | 288.6  | 290.3  | 290.9  | 292.0  | 293.1  | 294.3  |
| 20°   | 281.0  | 284.1  | 287.2  | 288.4  | 289.5  | 291.5  | 293.7  | 295.1  | 296.2  | 297.9  | 299.1  |
| 22.5° | 282.7  | 286.4  | 290.6  | 292.3  | 294.3  | 296.8  | 299.9  | 301.6  | 303.0  | 304.7  | 305.5  |
| 25°   | 288.1  | 290.9  | 296.0  | 298.8  | 301.3  | 305.5  | 309.7  | 311.7  | 313.4  | 314.8  | 315.1  |
| 27.5° | 297.1  | 297.9  | 304.1  | 307.8  | 311.4  | 318.2  | 323.2  | 324.7  | 327.7  | 328.9  | 328.6  |
| 30°   | 311.7  | 310.3  | 315.4  | 321.0  | 326.3  | 335.6  | 341.8  | 345.5  | 348.3  | 348.3  | 346.0  |
| 32.5° | 332.8  | 330.6  | 332.0  | 338.4  | 344.6  | 358.1  | 365.4  | 370.2  | 372.2  | 371.6  | 366.9  |
| 35°   | 360.4  | 359.0  | 358.1  | 363.2  | 373.0  | 388.8  | 398.4  | 400.9  | 404.0  | 403.4  | 397.2  |
| 37.5° | 393.0  | 391.9  | 391.9  | 397.8  | 407.4  | 430.7  | 441.1  | 442.8  | 442.5  | 438.0  | 426.5  |
| 40°   | 431.6  | 431.0  | 428.5  | 431.8  | 440.0  | 470.4  | 484.5  | 486.7  | 483.6  | 476.3  | 462.8  |
| 42.5° | 487.0  | 483.6  | 475.7  | 477.7  | 483.9  | 513.4  | 531.7  | 537.9  | 534.8  | 527.5  | 505.6  |
| 45°   | 559.3  | 555.6  | 542.4  | 540.7  | 544.1  | 570.0  | 593.6  | 595.0  | 594.5  | 585.2  | 559.3  |
| 47.5° | 644.2  | 638.6  | 624.6  | 620.1  | 618.9  | 642.8  | 665.6  | 667.9  | 666.5  | 652.7  | 618.1  |
| 50°   | 736.2  | 728.1  | 718.8  | 715.7  | 711.2  | 728.4  | 751.4  | 751.7  | 746.1  | 727.0  | 694.6  |
| 52.5° | 834.4  | 831.6  | 829.9  | 826.8  | 824.9  | 839.8  | 853.8  | 845.4  | 837.0  | 817.0  | 788.9  |
| 55°   | 933.5  | 945.0  | 956.8  | 957.9  | 961.3  | 977.3  | 977.1  | 954.0  | 947.8  | 936.8  | 909.0  |
| 57.5° | 1038.7 | 1081.4 | 1118.6 | 1130.1 | 1141.4 | 1171.2 | 1168.4 | 1145.6 | 1137.7 | 1124.2 | 1101.1 |
| 60°   | 1181.9 | 1297.2 | 1404.4 | 1430.0 | 1447.7 | 1483.5 | 1480.1 | 1444.9 | 1461.2 | 1460.1 | 1430.3 |
| 62.5° | 1382.5 | 1574.3 | 1735.0 | 1774.4 | 1786.7 | 1790.7 | 1769.3 | 1731.3 | 1747.3 | 1765.3 | 1673.6 |
| 65°   | 1518.3 | 1744.0 | 1908.8 | 1939.2 | 1940.9 | 1893.9 | 1846.4 | 1801.6 | 1797.7 | 1782.2 | 1651.1 |
| 66°   | 1521.4 | 1752.4 | 1917.8 | 1947.4 | 1937.0 | 1872.8 | 1812.6 | 1767.6 | 1748.2 | 1714.1 | 1578.3 |
| 67.5° | 1466.9 | 1699.8 | 1877.9 | 1909.1 | 1886.3 | 1795.5 | 1712.5 | 1654.5 | 1616.5 | 1561.4 | 1441.5 |
| 70°   | 1231.9 | 1462.9 | 1682.4 | 1740.6 | 1747.9 | 1612.3 | 1497.2 | 1429.2 | 1378.0 | 1302.3 | 1199.0 |
| 72.5° | 916.0  | 1124.8 | 1318.3 | 1374.0 | 1402.4 | 1294.1 | 1197.1 | 1145.3 | 1075.2 | 995.6  | 922.2  |
| 75°   | 574.2  | 721.6  | 851.3  | 890.4  | 863.7  | 779.8  | 721.6  | 699.9  | 631.0  | 583.5  | 550.0  |
| 77.5° | 328.3  | 374.5  | 384.9  | 369.9  | 338.4  | 259.1  | 184.3  | 136.4  | 118.4  | 131.1  | 144.6  |
| 80°   | 320.4  | 293.7  | 234.1  | 205.9  | 186.5  | 128.3  | 75.4   | 51.8   | 43.0   | 44.2   | 47.8   |
| 82.5° | 347.2  | 372.5  | 306.7  | 250.1  | 209.9  | 141.8  | 78.2   | 41.6   | 28.1   | 33.2   | 37.4   |
| 85°   | 225.6  | 314.0  | 282.7  | 238.3  | 193.0  | 121.3  | 64.4   | 21.7   | 14.3   | 18.8   | 25.9   |
| 87.5° | 22.8   | 25.0   | 21.4   | 29.0   | 21.7   | 10.1   | 5.1    | 3.1    | 2.8    | 3.4    | 5.1    |
| 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):**

|       | 105°   | 110°   | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 280.5  | 280.5  | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 |
| 2.5°  | 280.2  | 280.2  | 280.5 | 280.8 | 281.0 | 281.3 | 281.3 | 281.3 | 281.3 | 281.9 | 281.6 |
| 5°    | 280.8  | 281.3  | 281.9 | 282.2 | 282.7 | 282.7 | 283.6 | 283.3 | 283.3 | 284.1 | 284.4 |
| 7.5°  | 281.9  | 282.7  | 283.9 | 283.6 | 284.7 | 284.4 | 285.0 | 285.0 | 284.1 | 284.4 | 283.9 |
| 10°   | 284.4  | 285.6  | 286.1 | 285.3 | 285.6 | 284.4 | 284.1 | 282.7 | 281.0 | 280.2 | 279.1 |
| 12.5° | 288.6  | 289.8  | 289.8 | 288.4 | 286.7 | 284.1 | 282.2 | 279.1 | 276.5 | 275.1 | 273.7 |
| 15°   | 292.3  | 293.4  | 293.1 | 290.9 | 288.4 | 284.4 | 281.6 | 278.0 | 274.3 | 272.0 | 270.6 |
| 17.5° | 295.1  | 295.7  | 294.8 | 291.7 | 288.9 | 285.3 | 282.5 | 278.5 | 274.3 | 271.5 | 269.0 |
| 20°   | 299.3  | 298.8  | 296.8 | 292.9 | 289.8 | 286.4 | 284.1 | 280.8 | 276.0 | 272.3 | 268.7 |
| 22.5° | 305.5  | 303.3  | 299.6 | 295.4 | 292.3 | 289.2 | 287.0 | 283.3 | 278.5 | 274.0 | 269.8 |
| 25°   | 313.7  | 309.2  | 304.1 | 299.6 | 296.8 | 293.4 | 290.9 | 287.0 | 281.9 | 276.8 | 271.8 |
| 27.5° | 325.5  | 317.6  | 311.2 | 307.2 | 304.1 | 299.9 | 296.8 | 291.7 | 286.4 | 280.5 | 274.9 |
| 30°   | 338.7  | 328.0  | 321.8 | 318.7 | 315.4 | 310.9 | 306.1 | 299.6 | 293.4 | 287.0 | 280.2 |
| 32.5° | 355.9  | 342.9  | 337.0 | 333.9 | 329.4 | 323.8 | 318.2 | 310.9 | 302.1 | 293.7 | 285.6 |
| 35°   | 378.4  | 365.2  | 359.0 | 354.2 | 348.0 | 340.7 | 332.5 | 322.7 | 310.9 | 299.6 | 289.2 |
| 37.5° | 402.6  | 388.2  | 382.3 | 377.3 | 368.0 | 358.4 | 346.9 | 332.5 | 316.5 | 301.6 | 288.6 |
| 40°   | 433.2  | 420.0  | 412.4 | 403.7 | 392.7 | 376.1 | 358.1 | 337.3 | 316.8 | 298.5 | 283.3 |
| 42.5° | 472.1  | 458.8  | 447.6 | 433.8 | 414.7 | 389.1 | 363.5 | 336.5 | 311.7 | 290.9 | 274.6 |
| 45°   | 523.6  | 507.5  | 488.1 | 463.9 | 433.0 | 397.2 | 363.8 | 331.1 | 302.1 | 279.1 | 261.6 |
| 47.5° | 586.6  | 562.1  | 530.3 | 489.5 | 445.1 | 399.5 | 359.3 | 320.4 | 287.2 | 262.2 | 242.8 |
| 50°   | 661.4  | 622.9  | 570.5 | 510.6 | 451.3 | 396.1 | 348.0 | 304.4 | 266.1 | 239.4 | 216.3 |
| 52.5° | 746.9  | 683.9  | 606.8 | 525.8 | 451.0 | 384.9 | 328.9 | 280.2 | 238.6 | 208.7 | 186.8 |
| 55°   | 847.4  | 753.7  | 644.2 | 537.1 | 443.1 | 364.0 | 299.6 | 246.2 | 204.5 | 177.0 | 156.7 |
| 57.5° | 994.5  | 866.8  | 709.5 | 554.5 | 427.3 | 332.0 | 259.9 | 205.4 | 168.8 | 142.6 | 125.5 |
| 60°   | 1263.5 | 1055.6 | 827.1 | 589.7 | 403.1 | 285.0 | 213.5 | 161.8 | 131.1 | 110.0 | 98.5  |
| 62.5° | 1466.0 | 1201.6 | 890.7 | 581.8 | 354.5 | 227.0 | 158.4 | 117.9 | 96.5  | 82.1  | 74.8  |
| 65°   | 1437.0 | 1156.3 | 822.9 | 501.0 | 278.0 | 160.1 | 105.2 | 80.2  | 66.4  | 59.6  | 55.4  |
| 66°   | 1371.5 | 1097.2 | 764.1 | 451.0 | 240.3 | 133.1 | 86.6  | 67.2  | 57.1  | 52.3  | 49.5  |
| 67.5° | 1247.1 | 987.5  | 658.9 | 369.7 | 184.6 | 96.5  | 65.3  | 53.2  | 46.4  | 44.5  | 42.5  |
| 70°   | 1036.7 | 787.4  | 462.5 | 215.2 | 94.2  | 53.7  | 41.4  | 37.1  | 35.4  | 35.2  | 34.6  |
| 72.5° | 794.5  | 557.3  | 272.3 | 101.8 | 49.0  | 35.7  | 32.1  | 30.7  | 30.1  | 30.1  | 30.4  |
| 75°   | 487.0  | 313.1  | 120.4 | 49.8  | 34.3  | 30.1  | 28.4  | 27.9  | 27.6  | 27.9  | 27.6  |
| 77.5° | 162.6  | 99.6   | 51.5  | 37.7  | 31.2  | 27.9  | 26.7  | 26.2  | 26.2  | 26.2  | 26.2  |
| 80°   | 49.8   | 43.3   | 39.4  | 34.9  | 29.5  | 26.4  | 24.8  | 24.5  | 24.8  | 25.0  | 24.2  |
| 82.5° | 37.4   | 35.4   | 33.2  | 30.9  | 26.7  | 23.6  | 23.1  | 23.1  | 23.1  | 22.2  | 21.1  |
| 85°   | 27.6   | 27.3   | 22.5  | 21.1  | 19.7  | 19.7  | 19.7  | 19.7  | 18.8  | 17.4  | 16.3  |
| 87.5° | 5.1    | 4.8    | 5.1   | 5.3   | 7.9   | 8.4   | 8.4   | 9.0   | 9.8   | 9.3   | 9.3   |
| 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°    | 280.5 | 280.5 | 280.5 | 280.5 | 280.5 |
| 2.5°  | 281.6 | 281.3 | 282.2 | 281.6 | 281.9 |
| 5°    | 284.1 | 283.9 | 284.4 | 283.9 | 284.7 |
| 7.5°  | 283.3 | 282.7 | 282.5 | 282.7 | 283.0 |
| 10°   | 277.4 | 276.8 | 276.5 | 276.3 | 276.5 |
| 12.5° | 272.3 | 271.2 | 271.2 | 270.6 | 270.9 |
| 15°   | 268.7 | 267.8 | 267.5 | 267.0 | 267.3 |
| 17.5° | 267.0 | 265.6 | 265.0 | 264.5 | 264.5 |
| 20°   | 265.9 | 264.2 | 263.3 | 262.8 | 262.5 |
| 22.5° | 265.9 | 263.3 | 262.2 | 261.6 | 261.4 |
| 25°   | 267.0 | 263.9 | 262.2 | 261.4 | 261.1 |
| 27.5° | 269.2 | 265.3 | 263.3 | 262.2 | 262.2 |
| 30°   | 273.2 | 268.1 | 265.3 | 263.9 | 263.6 |
| 32.5° | 277.1 | 270.4 | 266.4 | 264.7 | 264.2 |
| 35°   | 279.1 | 270.4 | 265.6 | 262.8 | 262.2 |
| 37.5° | 276.8 | 266.7 | 260.8 | 256.6 | 255.7 |
| 40°   | 269.8 | 259.1 | 252.6 | 248.7 | 248.1 |
| 42.5° | 260.5 | 250.1 | 242.5 | 239.7 | 238.8 |
| 45°   | 247.9 | 235.5 | 227.9 | 223.9 | 224.2 |
| 47.5° | 226.2 | 213.5 | 206.8 | 203.1 | 203.7 |
| 50°   | 200.6 | 188.2 | 182.3 | 178.4 | 179.2 |
| 52.5° | 172.5 | 161.2 | 155.6 | 153.6 | 153.0 |
| 55°   | 142.9 | 134.2 | 130.3 | 128.0 | 127.2 |
| 57.5° | 115.9 | 109.7 | 106.9 | 104.1 | 104.4 |
| 60°   | 91.4  | 88.3  | 87.5  | 84.4  | 84.1  |
| 62.5° | 72.0  | 70.1  | 69.2  | 67.0  | 67.2  |
| 65°   | 54.6  | 54.0  | 54.6  | 53.2  | 53.7  |
| 66°   | 49.2  | 49.5  | 49.5  | 48.7  | 49.2  |
| 67.5° | 42.5  | 43.0  | 43.9  | 43.0  | 43.6  |
| 70°   | 35.2  | 35.7  | 36.3  | 36.3  | 36.3  |
| 72.5° | 30.7  | 31.2  | 31.5  | 31.5  | 31.5  |
| 75°   | 28.1  | 28.4  | 28.7  | 28.1  | 28.1  |
| 77.5° | 26.4  | 26.4  | 25.9  | 25.6  | 25.3  |
| 80°   | 23.9  | 23.6  | 22.8  | 22.2  | 22.2  |
| 82.5° | 20.0  | 19.4  | 18.8  | 18.0  | 18.0  |
| 85°   | 15.2  | 14.6  | 14.1  | 12.9  | 12.4  |
| 87.5° | 7.9   | 8.2   | 7.9   | 6.5   | 5.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)