

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: P152138

Luminaire Tested: **VXS-E01-LED-E1-SL4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152138  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E01-LED-E1-SL4-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2493.3 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full 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



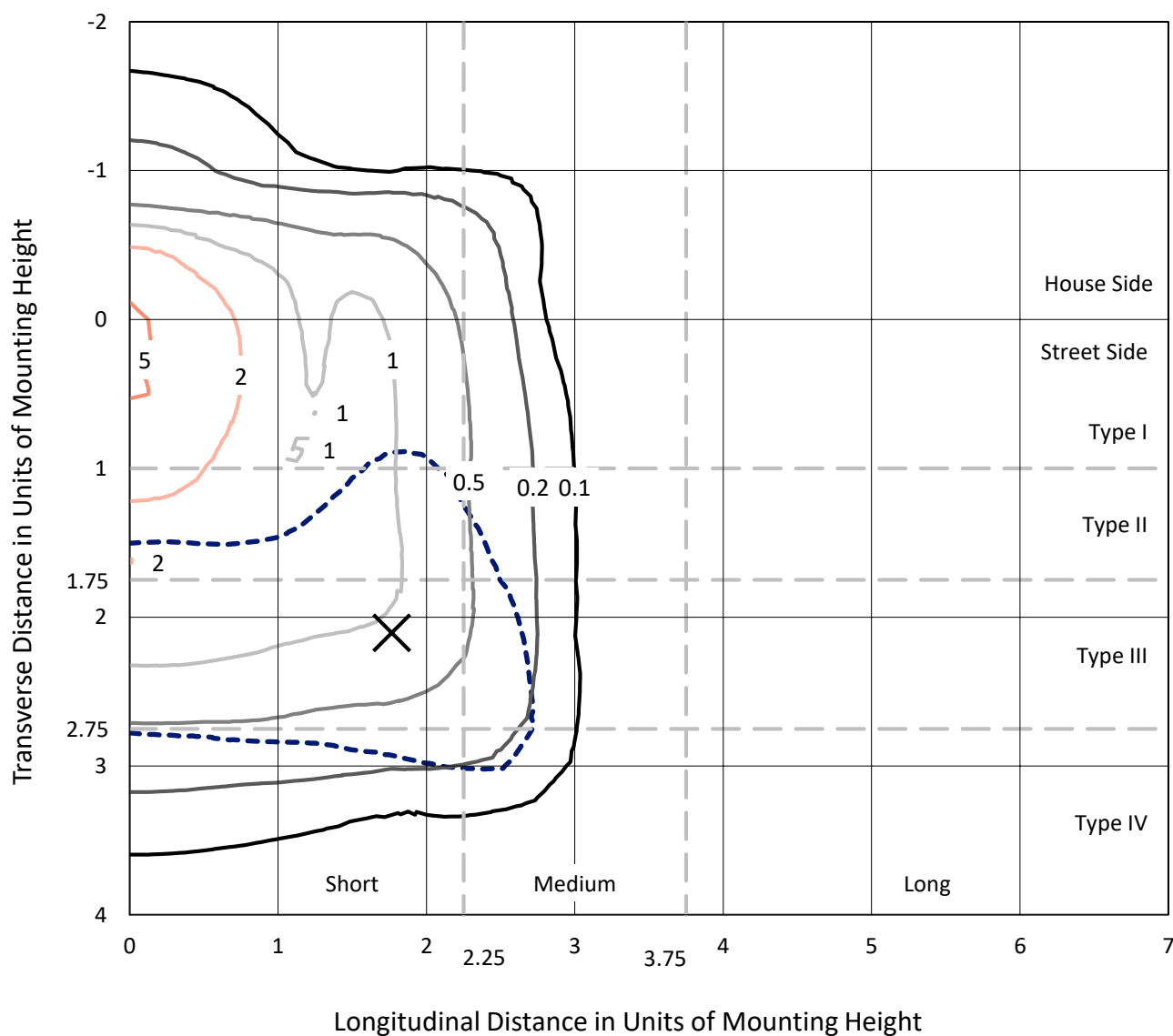
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

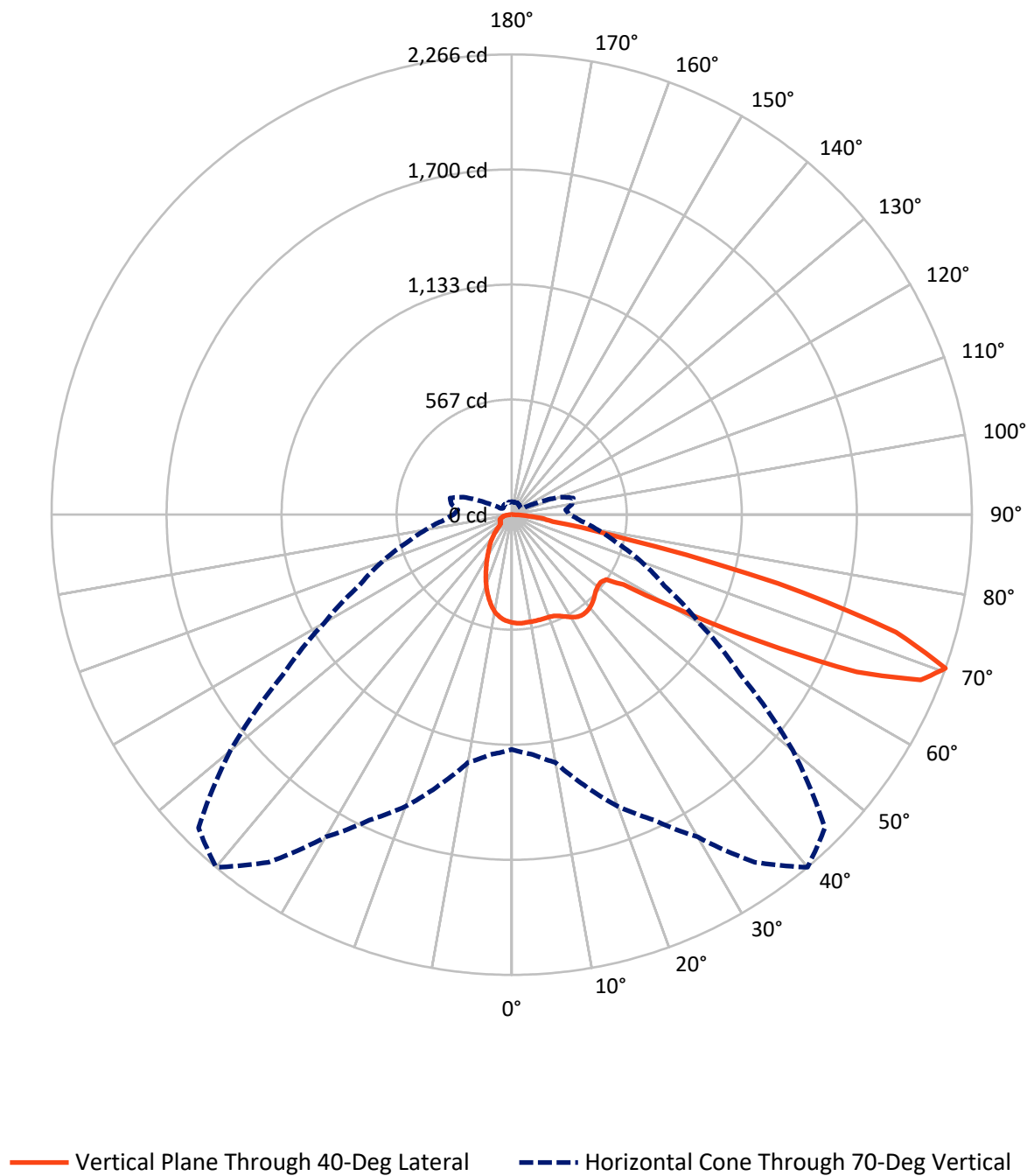


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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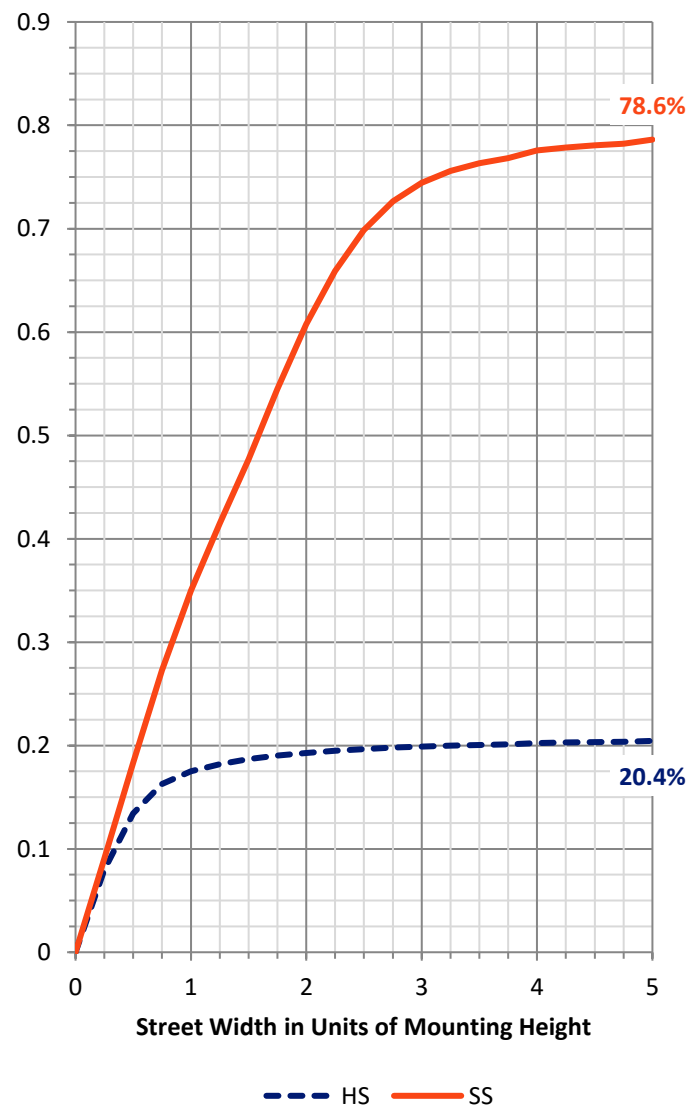
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 517.6    | 0.0    | 517.6  |
|                    | % Fixture | 20.8     | 0.0    | 20.8   |
| <b>Street Side</b> | Lumens    | 1975.7   | 0.0    | 1975.7 |
|                    | % Fixture | 79.2     | 0.0    | 79.2   |
| <b>Total</b>       | Lumens    | 2493.3   | 0.0    | 2493.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.7   | 2.0       |
| 10°-20°   | 136.1  | 5.5       |
| 20°-30°   | 201.4  | 8.1       |
| 30°-40°   | 254.5  | 10.2      |
| 40°-50°   | 287.9  | 11.5      |
| 50°-60°   | 409.6  | 16.4      |
| 60°-70°   | 762.9  | 30.6      |
| 70°-80°   | 349.7  | 14.0      |
| 80°-90°   | 41.5   | 1.7       |
| 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°    | 2493.3 | 100.0     |
| 0°-180°   | 2493.3 | 100.0     |

**Coefficient of Utilization**



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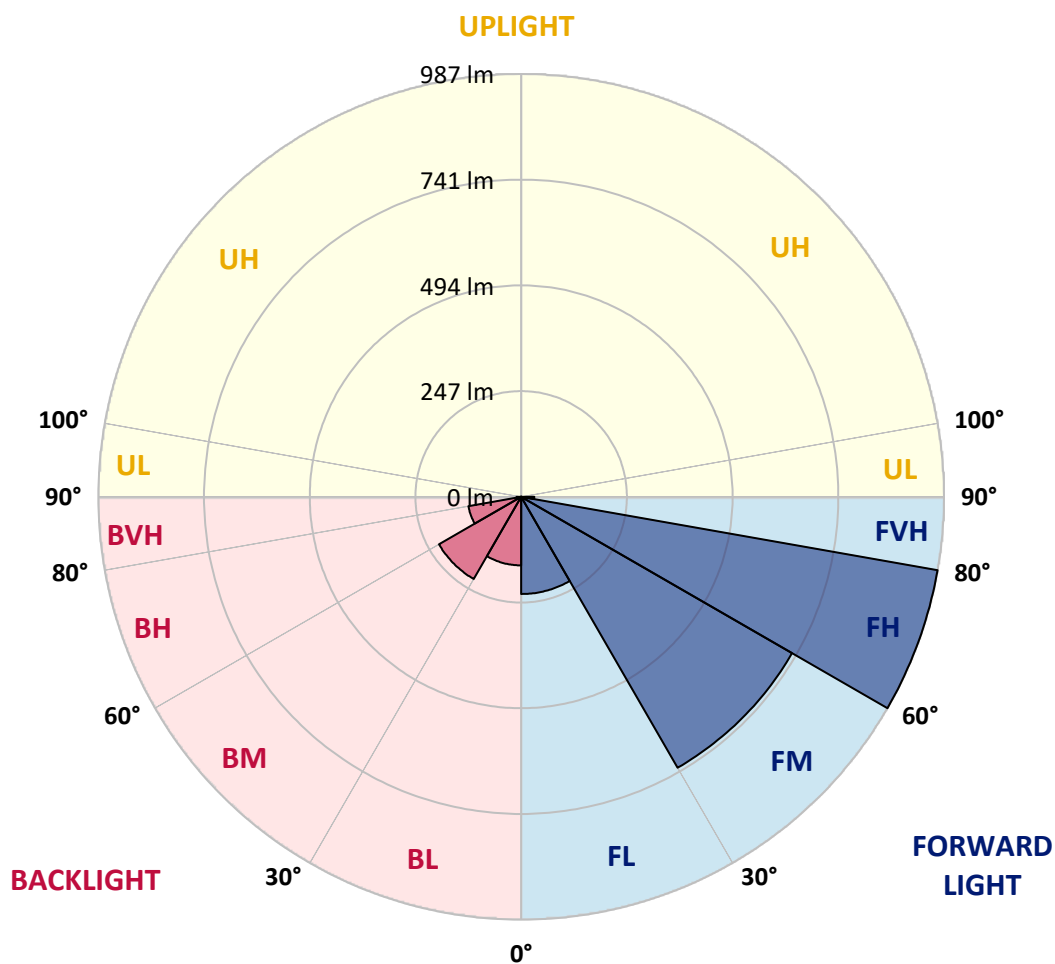
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 227.0  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 730.4  | 29.3      |                         |      |         |
| FH   | (60°-80°)   | 987.4  | 39.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 30.8   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 160.1  | 6.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 221.6  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 125.1  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 10.7   | 0.4       |                         |      | 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°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  | 532.0  |
| 2.5°  | 540.1  | 541.6  | 539.9  | 539.6  | 539.6  | 539.3  | 537.6  | 537.3  | 535.1  | 535.3  | 536.0  |
| 5°    | 544.0  | 544.7  | 543.5  | 543.2  | 542.7  | 541.6  | 540.1  | 538.4  | 536.8  | 535.1  | 533.7  |
| 7.5°  | 548.1  | 547.5  | 546.6  | 546.6  | 545.8  | 544.0  | 541.2  | 539.1  | 535.3  | 533.4  | 530.9  |
| 10°   | 553.7  | 552.8  | 551.7  | 551.1  | 549.7  | 547.2  | 543.2  | 540.1  | 535.6  | 531.7  | 527.5  |
| 12.5° | 559.0  | 558.8  | 557.0  | 556.2  | 554.0  | 551.4  | 546.6  | 541.9  | 536.0  | 529.7  | 524.1  |
| 15°   | 568.6  | 567.5  | 565.8  | 564.0  | 560.4  | 557.0  | 549.7  | 544.0  | 535.6  | 527.5  | 518.8  |
| 17.5° | 585.2  | 583.2  | 581.6  | 577.8  | 573.4  | 567.5  | 556.8  | 547.2  | 535.6  | 523.8  | 514.0  |
| 20°   | 615.5  | 611.3  | 609.1  | 604.2  | 596.4  | 585.7  | 569.1  | 553.7  | 536.5  | 521.3  | 508.1  |
| 22.5° | 649.8  | 647.0  | 643.9  | 640.8  | 628.5  | 613.1  | 590.5  | 567.5  | 541.6  | 520.2  | 503.3  |
| 25°   | 688.4  | 684.8  | 683.1  | 677.7  | 666.2  | 648.5  | 617.8  | 585.7  | 553.1  | 524.7  | 503.3  |
| 27.5° | 722.7  | 721.7  | 721.3  | 715.1  | 704.1  | 683.3  | 647.0  | 608.5  | 568.8  | 534.0  | 507.6  |
| 30°   | 754.0  | 752.8  | 752.2  | 748.9  | 736.3  | 711.5  | 672.1  | 628.8  | 586.0  | 546.9  | 515.4  |
| 32.5° | 787.2  | 783.5  | 781.9  | 775.3  | 761.0  | 732.0  | 687.0  | 642.0  | 599.5  | 559.6  | 524.1  |
| 35°   | 814.2  | 811.1  | 807.7  | 798.4  | 778.1  | 743.8  | 693.5  | 646.5  | 604.9  | 566.6  | 528.6  |
| 37.5° | 833.9  | 830.8  | 826.0  | 814.2  | 789.1  | 747.8  | 693.2  | 645.1  | 602.9  | 565.5  | 529.4  |
| 40°   | 842.6  | 839.5  | 834.4  | 819.5  | 791.1  | 745.5  | 687.9  | 638.7  | 597.0  | 559.6  | 526.1  |
| 42.5° | 839.2  | 837.0  | 830.5  | 816.2  | 784.9  | 735.4  | 677.2  | 626.5  | 585.7  | 550.1  | 518.4  |
| 45°   | 826.2  | 824.6  | 818.3  | 803.2  | 770.9  | 719.1  | 661.5  | 611.3  | 572.2  | 538.1  | 508.4  |
| 47.5° | 806.8  | 806.3  | 800.1  | 785.2  | 753.2  | 702.8  | 645.1  | 596.4  | 558.8  | 526.6  | 499.9  |
| 50°   | 785.5  | 782.7  | 779.6  | 765.8  | 736.5  | 688.7  | 633.3  | 587.2  | 551.1  | 522.4  | 496.3  |
| 52.5° | 772.0  | 771.1  | 768.3  | 756.0  | 727.8  | 680.5  | 628.0  | 583.7  | 550.6  | 521.6  | 494.3  |
| 55°   | 891.8  | 893.8  | 867.9  | 814.2  | 766.9  | 703.0  | 643.9  | 600.9  | 564.4  | 535.1  | 515.1  |
| 57.5° | 1319.2 | 1310.5 | 1266.0 | 1159.4 | 1039.0 | 880.0  | 765.5  | 696.1  | 650.7  | 655.8  | 665.9  |
| 60°   | 1536.9 | 1535.2 | 1527.0 | 1485.7 | 1405.5 | 1284.6 | 1150.4 | 996.5  | 947.6  | 952.8  | 956.8  |
| 62.5° | 1634.2 | 1636.8 | 1643.0 | 1627.5 | 1606.4 | 1571.2 | 1504.2 | 1442.4 | 1376.8 | 1352.3 | 1286.8 |
| 65°   | 1679.3 | 1683.7 | 1697.8 | 1706.5 | 1714.7 | 1720.9 | 1747.4 | 1819.9 | 1867.8 | 1778.2 | 1570.2 |
| 67.5° | 1586.1 | 1607.8 | 1654.2 | 1699.5 | 1740.0 | 1797.7 | 1887.2 | 2055.6 | 2173.0 | 2063.0 | 1761.1 |
| 70°   | 1156.3 | 1185.8 | 1239.0 | 1379.1 | 1528.7 | 1659.6 | 1832.8 | 2089.4 | 2266.4 | 2181.5 | 1808.4 |
| 72.5° | 725.0  | 733.2  | 756.8  | 808.3  | 919.4  | 1087.4 | 1390.4 | 1775.2 | 1979.5 | 1911.6 | 1528.5 |
| 75°   | 460.0  | 462.8  | 462.0  | 473.8  | 492.6  | 529.2  | 649.0  | 1048.5 | 1356.1 | 1250.3 | 851.9  |
| 77.5° | 274.0  | 278.2  | 279.9  | 283.6  | 292.5  | 305.5  | 315.3  | 356.7  | 568.6  | 552.0  | 309.2  |
| 80°   | 229.5  | 233.0  | 230.2  | 229.3  | 223.6  | 219.7  | 224.5  | 219.7  | 203.9  | 196.4  | 180.9  |
| 82.5° | 121.6  | 121.2  | 120.4  | 128.6  | 145.2  | 158.1  | 168.0  | 165.7  | 149.9  | 127.8  | 108.3  |
| 85°   | 66.6   | 68.9   | 68.9   | 71.7   | 69.2   | 69.5   | 71.7   | 75.6   | 70.1   | 58.5   | 47.9   |
| 87.5° | 5.6    | 8.7    | 7.0    | 8.7    | 11.8   | 8.4    | 8.2    | 8.2    | 7.0    | 5.1    | 4.5    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 532.0  | 532.0  | 532.0  | 532.0  | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 |
| 2.5°  | 534.5  | 534.0  | 532.8  | 532.0  | 532.0 | 530.6 | 529.7 | 529.2 | 528.9 | 527.8 | 527.8 |
| 5°    | 532.8  | 530.9  | 528.9  | 527.5  | 526.6 | 525.3 | 523.0 | 521.9 | 520.4 | 519.4 | 518.8 |
| 7.5°  | 529.2  | 525.5  | 522.4  | 520.2  | 517.4 | 515.1 | 512.3 | 509.7 | 507.3 | 506.1 | 505.6 |
| 10°   | 523.5  | 518.8  | 514.0  | 509.7  | 505.8 | 501.9 | 498.2 | 494.6 | 491.5 | 489.2 | 486.9 |
| 12.5° | 518.2  | 510.9  | 504.7  | 498.5  | 492.3 | 487.6 | 482.5 | 477.1 | 472.6 | 468.4 | 467.3 |
| 15°   | 510.9  | 502.5  | 494.6  | 486.9  | 479.4 | 471.5 | 465.3 | 459.4 | 452.1 | 447.4 | 443.6 |
| 17.5° | 504.1  | 494.0  | 484.5  | 475.4  | 466.1 | 458.0 | 448.7 | 440.8 | 433.6 | 426.2 | 420.8 |
| 20°   | 496.8  | 485.9  | 475.8  | 465.6  | 455.4 | 445.1 | 434.4 | 424.2 | 415.2 | 406.5 | 397.8 |
| 22.5° | 490.4  | 479.1  | 469.2  | 458.2  | 447.0 | 435.2 | 422.8 | 410.2 | 399.8 | 388.5 | 378.3 |
| 25°   | 486.4  | 474.1  | 463.9  | 453.3  | 440.8 | 427.9 | 413.9 | 399.0 | 386.2 | 373.4 | 361.2 |
| 27.5° | 486.4  | 470.4  | 460.0  | 449.3  | 436.6 | 422.8 | 407.4 | 391.1 | 376.7 | 362.4 | 347.5 |
| 30°   | 490.7  | 471.0  | 456.9  | 445.6  | 432.6 | 417.8 | 400.6 | 383.4 | 367.7 | 350.8 | 336.5 |
| 32.5° | 494.6  | 472.0  | 454.6  | 440.3  | 425.4 | 410.8 | 393.3 | 375.0 | 357.6 | 341.6 | 326.3 |
| 35°   | 497.1  | 472.0  | 450.4  | 432.1  | 415.2 | 400.9 | 383.7 | 365.5 | 347.8 | 332.0 | 317.9 |
| 37.5° | 497.4  | 469.8  | 443.6  | 422.8  | 405.1 | 390.2 | 373.9 | 356.7 | 339.9 | 325.2 | 313.4 |
| 40°   | 494.6  | 465.3  | 436.9  | 413.0  | 394.4 | 379.3 | 364.4 | 348.8 | 333.7 | 321.6 | 311.4 |
| 42.5° | 489.5  | 460.5  | 430.5  | 405.1  | 385.7 | 369.9 | 356.2 | 342.9 | 329.7 | 319.3 | 310.9 |
| 45°   | 482.0  | 454.1  | 424.6  | 400.3  | 381.2 | 364.6 | 351.1 | 340.1 | 328.9 | 320.1 | 311.7 |
| 47.5° | 475.1  | 451.8  | 426.5  | 403.4  | 383.4 | 366.3 | 352.5 | 343.2 | 334.5 | 328.6 | 317.1 |
| 50°   | 473.8  | 450.7  | 427.4  | 406.0  | 385.7 | 368.3 | 356.2 | 351.4 | 348.8 | 345.2 | 327.5 |
| 52.5° | 469.8  | 450.4  | 433.6  | 421.8  | 408.8 | 400.6 | 388.0 | 392.4 | 389.6 | 376.7 | 344.7 |
| 55°   | 511.2  | 516.8  | 532.5  | 555.0  | 575.9 | 580.6 | 579.3 | 573.9 | 545.5 | 469.2 | 386.0 |
| 57.5° | 702.8  | 734.5  | 764.4  | 777.6  | 776.0 | 761.0 | 750.3 | 728.6 | 687.6 | 594.7 | 467.6 |
| 60°   | 968.9  | 974.0  | 958.2  | 934.8  | 895.4 | 862.6 | 827.4 | 786.8 | 727.3 | 636.4 | 517.6 |
| 62.5° | 1214.0 | 1145.9 | 1075.9 | 1009.9 | 950.1 | 897.7 | 848.8 | 792.2 | 714.6 | 619.8 | 511.2 |
| 65°   | 1386.9 | 1242.9 | 1132.3 | 1037.8 | 953.2 | 880.0 | 819.0 | 745.5 | 658.0 | 572.5 | 473.8 |
| 67.5° | 1476.2 | 1255.3 | 1085.7 | 954.0  | 833.9 | 732.5 | 651.3 | 579.8 | 514.8 | 477.4 | 414.7 |
| 70°   | 1376.6 | 1065.4 | 829.1  | 680.2  | 536.5 | 430.2 | 339.9 | 285.3 | 266.4 | 301.9 | 314.0 |
| 72.5° | 1025.7 | 693.5  | 493.2  | 381.5  | 292.3 | 233.0 | 178.7 | 140.4 | 114.2 | 119.9 | 155.5 |
| 75°   | 485.0  | 299.4  | 211.6  | 160.9  | 128.0 | 106.0 | 86.6  | 79.4  | 66.4  | 55.1  | 51.8  |
| 77.5° | 188.8  | 137.6  | 113.7  | 83.3   | 59.1  | 47.6  | 40.5  | 39.1  | 40.0  | 38.9  | 38.2  |
| 80°   | 143.7  | 97.3   | 61.0   | 44.8   | 38.5  | 34.0  | 30.1  | 29.0  | 29.5  | 31.0  | 32.3  |
| 82.5° | 80.2   | 50.1   | 37.1   | 32.3   | 29.0  | 24.8  | 22.5  | 20.8  | 21.1  | 22.8  | 25.9  |
| 85°   | 31.0   | 24.1   | 22.2   | 21.3   | 20.0  | 16.1  | 13.8  | 14.1  | 16.1  | 19.2  | 19.2  |
| 87.5° | 3.4    | 3.4    | 4.5    | 3.4    | 3.4   | 3.4   | 3.1   | 3.6   | 3.9   | 5.1   | 5.9   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 |
| 2.5°  | 527.3 | 527.3 | 527.3 | 526.6 | 526.9 | 525.8 | 525.8 | 525.0 | 526.3 | 525.5 | 525.3 |
| 5°    | 519.1 | 518.8 | 517.6 | 517.6 | 517.6 | 517.6 | 518.4 | 516.3 | 517.9 | 517.9 | 517.1 |
| 7.5°  | 505.3 | 505.3 | 502.2 | 503.8 | 503.3 | 504.1 | 505.3 | 504.1 | 505.8 | 506.9 | 506.1 |
| 10°   | 486.1 | 486.1 | 483.6 | 485.6 | 484.8 | 486.7 | 488.7 | 487.6 | 488.7 | 490.4 | 490.9 |
| 12.5° | 465.1 | 463.9 | 461.7 | 462.5 | 462.5 | 463.6 | 464.5 | 465.9 | 467.3 | 469.5 | 470.7 |
| 15°   | 440.5 | 438.9 | 436.1 | 436.1 | 434.4 | 434.9 | 436.6 | 437.2 | 440.0 | 443.1 | 446.7 |
| 17.5° | 415.5 | 411.3 | 408.2 | 404.6 | 401.8 | 404.0 | 406.0 | 407.4 | 409.6 | 414.4 | 416.9 |
| 20°   | 391.9 | 383.4 | 377.5 | 372.7 | 369.6 | 371.1 | 373.6 | 375.3 | 377.3 | 378.3 | 379.3 |
| 22.5° | 368.5 | 359.0 | 350.8 | 344.9 | 339.9 | 341.2 | 340.1 | 339.3 | 340.7 | 337.0 | 336.8 |
| 25°   | 348.3 | 337.0 | 326.0 | 319.1 | 312.8 | 310.9 | 305.0 | 303.5 | 299.6 | 296.5 | 294.3 |
| 27.5° | 333.7 | 319.1 | 306.9 | 298.8 | 288.9 | 281.7 | 274.0 | 266.4 | 262.2 | 257.1 | 254.6 |
| 30°   | 322.1 | 306.6 | 292.3 | 278.5 | 265.6 | 254.3 | 244.1 | 234.3 | 227.6 | 220.3 | 215.5 |
| 32.5° | 311.4 | 297.1 | 279.7 | 260.8 | 243.3 | 230.7 | 217.5 | 206.2 | 195.5 | 186.0 | 179.0 |
| 35°   | 304.1 | 288.1 | 265.9 | 242.8 | 223.1 | 208.2 | 194.1 | 178.0 | 165.2 | 152.7 | 145.2 |
| 37.5° | 300.2 | 280.5 | 253.2 | 227.6 | 205.7 | 188.8 | 171.3 | 152.7 | 137.0 | 125.5 | 114.0 |
| 40°   | 297.1 | 272.8 | 242.0 | 214.1 | 191.0 | 170.8 | 150.5 | 128.6 | 111.1 | 99.1  | 90.1  |
| 42.5° | 293.7 | 264.5 | 232.1 | 203.4 | 177.8 | 154.2 | 129.7 | 106.3 | 89.7  | 81.3  | 77.4  |
| 45°   | 290.1 | 257.1 | 222.8 | 193.3 | 164.9 | 136.2 | 108.0 | 86.3  | 76.5  | 73.7  | 73.7  |
| 47.5° | 289.2 | 252.3 | 216.1 | 183.4 | 150.3 | 115.3 | 88.1  | 74.5  | 71.7  | 72.3  | 73.5  |
| 50°   | 292.5 | 251.0 | 210.2 | 171.9 | 130.8 | 93.4  | 74.5  | 70.1  | 70.6  | 72.3  | 74.0  |
| 52.5° | 300.7 | 252.0 | 203.9 | 155.9 | 107.8 | 77.1  | 68.9  | 68.6  | 70.4  | 72.8  | 74.5  |
| 55°   | 314.5 | 252.0 | 192.1 | 131.9 | 86.1  | 69.2  | 66.9  | 68.1  | 70.4  | 72.5  | 74.0  |
| 57.5° | 344.0 | 249.5 | 171.3 | 105.5 | 72.0  | 66.4  | 66.4  | 67.8  | 69.7  | 72.0  | 73.2  |
| 60°   | 379.3 | 246.1 | 142.1 | 81.6  | 65.0  | 64.1  | 66.1  | 67.8  | 69.5  | 71.5  | 72.5  |
| 62.5° | 381.5 | 237.4 | 112.5 | 67.6  | 61.3  | 62.7  | 65.8  | 68.1  | 68.6  | 70.1  | 71.5  |
| 65°   | 350.6 | 207.0 | 89.4  | 60.5  | 59.7  | 61.9  | 65.0  | 66.6  | 66.9  | 67.6  | 68.9  |
| 67.5° | 306.9 | 168.8 | 72.3  | 57.1  | 57.9  | 60.5  | 62.2  | 63.6  | 64.5  | 65.8  | 66.1  |
| 70°   | 252.0 | 135.6 | 61.9  | 53.8  | 54.6  | 57.4  | 58.8  | 60.2  | 61.9  | 63.6  | 62.7  |
| 72.5° | 178.7 | 105.5 | 54.3  | 50.1  | 51.2  | 53.8  | 55.4  | 56.6  | 57.9  | 59.7  | 58.5  |
| 75°   | 76.0  | 73.7  | 46.9  | 45.3  | 46.9  | 48.7  | 50.4  | 52.0  | 53.5  | 54.3  | 54.3  |
| 77.5° | 38.9  | 43.3  | 40.5  | 40.5  | 41.7  | 43.3  | 44.8  | 46.4  | 47.3  | 48.1  | 49.2  |
| 80°   | 33.0  | 33.5  | 34.0  | 35.1  | 36.3  | 38.0  | 39.4  | 40.8  | 41.0  | 41.3  | 42.0  |
| 82.5° | 27.3  | 28.4  | 29.0  | 30.7  | 31.5  | 32.0  | 33.0  | 33.0  | 33.5  | 33.5  | 32.6  |
| 85°   | 19.7  | 21.1  | 22.0  | 22.2  | 22.0  | 22.2  | 22.5  | 23.1  | 24.5  | 24.5  | 23.3  |
| 87.5° | 5.6   | 5.4   | 6.7   | 7.0   | 7.6   | 8.7   | 9.8   | 11.8  | 12.3  | 13.0  | 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):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 532.0 | 532.0 | 532.0 | 532.0 |
| 2.5°  | 525.0 | 525.5 | 524.4 | 524.7 |
| 5°    | 517.1 | 518.2 | 516.8 | 518.4 |
| 7.5°  | 506.9 | 508.6 | 508.4 | 508.1 |
| 10°   | 492.3 | 494.6 | 494.6 | 495.4 |
| 12.5° | 473.8 | 475.1 | 476.3 | 476.9 |
| 15°   | 448.7 | 451.3 | 452.6 | 452.6 |
| 17.5° | 418.7 | 420.3 | 421.1 | 420.0 |
| 20°   | 380.3 | 379.8 | 380.1 | 377.3 |
| 22.5° | 336.2 | 337.0 | 334.5 | 335.0 |
| 25°   | 292.8 | 291.5 | 292.5 | 290.9 |
| 27.5° | 251.0 | 251.2 | 248.1 | 249.5 |
| 30°   | 211.0 | 209.6 | 205.7 | 207.7 |
| 32.5° | 172.4 | 168.8 | 164.6 | 162.1 |
| 35°   | 136.2 | 130.6 | 128.6 | 127.8 |
| 37.5° | 106.9 | 100.7 | 98.8  | 96.5  |
| 40°   | 85.0  | 82.7  | 81.9  | 82.4  |
| 42.5° | 76.3  | 76.3  | 76.8  | 77.1  |
| 45°   | 74.0  | 74.8  | 75.6  | 76.0  |
| 47.5° | 74.3  | 75.1  | 76.3  | 76.5  |
| 50°   | 74.8  | 75.6  | 76.5  | 76.8  |
| 52.5° | 75.1  | 75.1  | 75.6  | 76.0  |
| 55°   | 74.5  | 74.3  | 74.5  | 74.8  |
| 57.5° | 73.5  | 72.8  | 73.2  | 74.0  |
| 60°   | 72.8  | 72.0  | 72.5  | 73.2  |
| 62.5° | 71.5  | 71.2  | 71.7  | 72.0  |
| 65°   | 68.4  | 68.6  | 69.5  | 69.5  |
| 67.5° | 65.6  | 65.8  | 66.1  | 66.4  |
| 70°   | 62.2  | 62.5  | 63.0  | 63.3  |
| 72.5° | 58.2  | 59.4  | 60.2  | 61.3  |
| 75°   | 55.1  | 56.3  | 57.9  | 59.1  |
| 77.5° | 49.8  | 50.7  | 52.6  | 54.0  |
| 80°   | 42.2  | 42.0  | 42.2  | 43.0  |
| 82.5° | 32.3  | 32.3  | 32.0  | 31.8  |
| 85°   | 22.8  | 22.5  | 21.7  | 21.7  |
| 87.5° | 12.3  | 12.1  | 11.8  | 11.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)