

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: P155425

Luminaire Tested: **VXS-F02-LED-E1-T3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155425  
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: VXS-F02-LED-E1-T3  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (14) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5091.7 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 55  
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



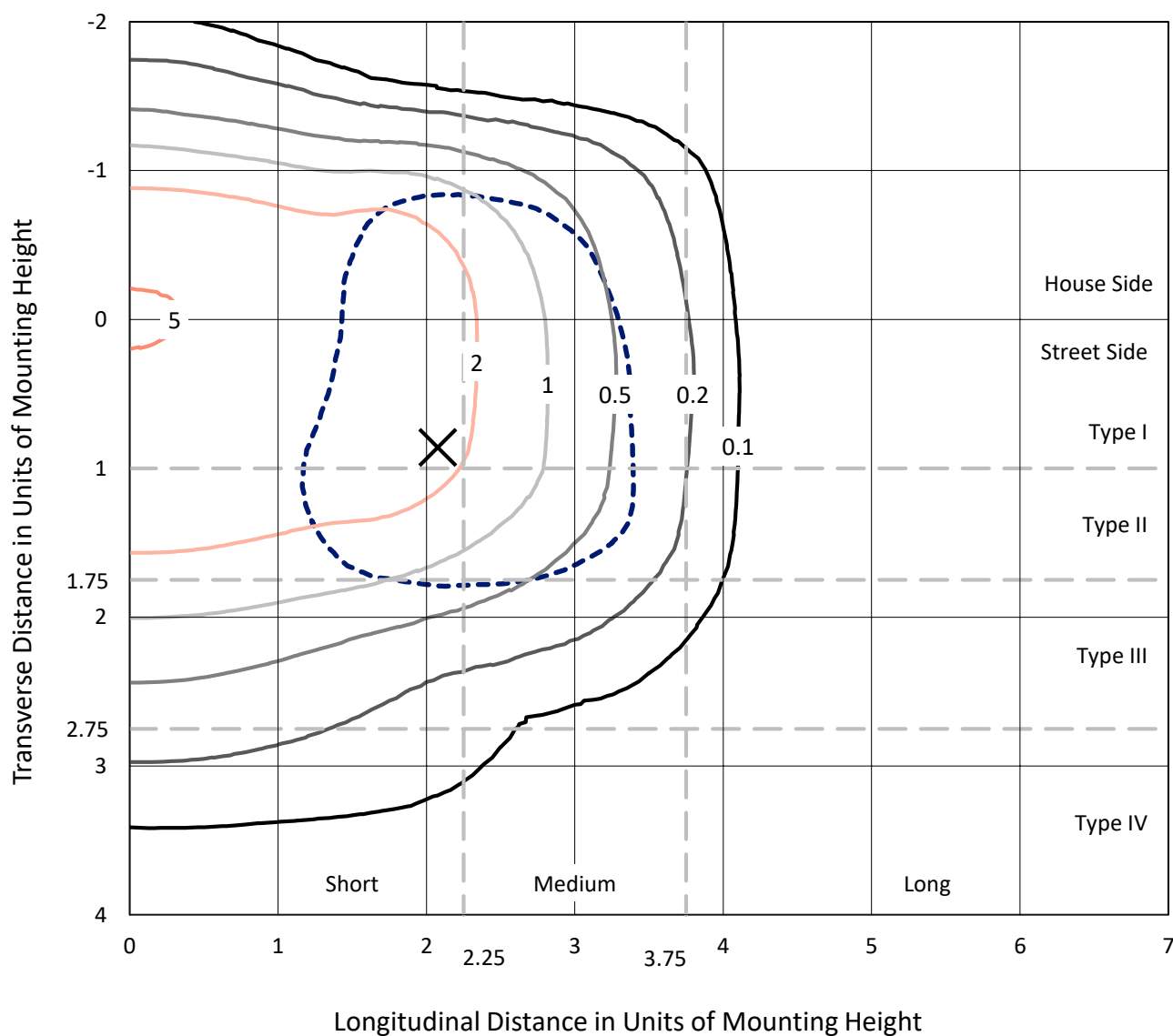
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

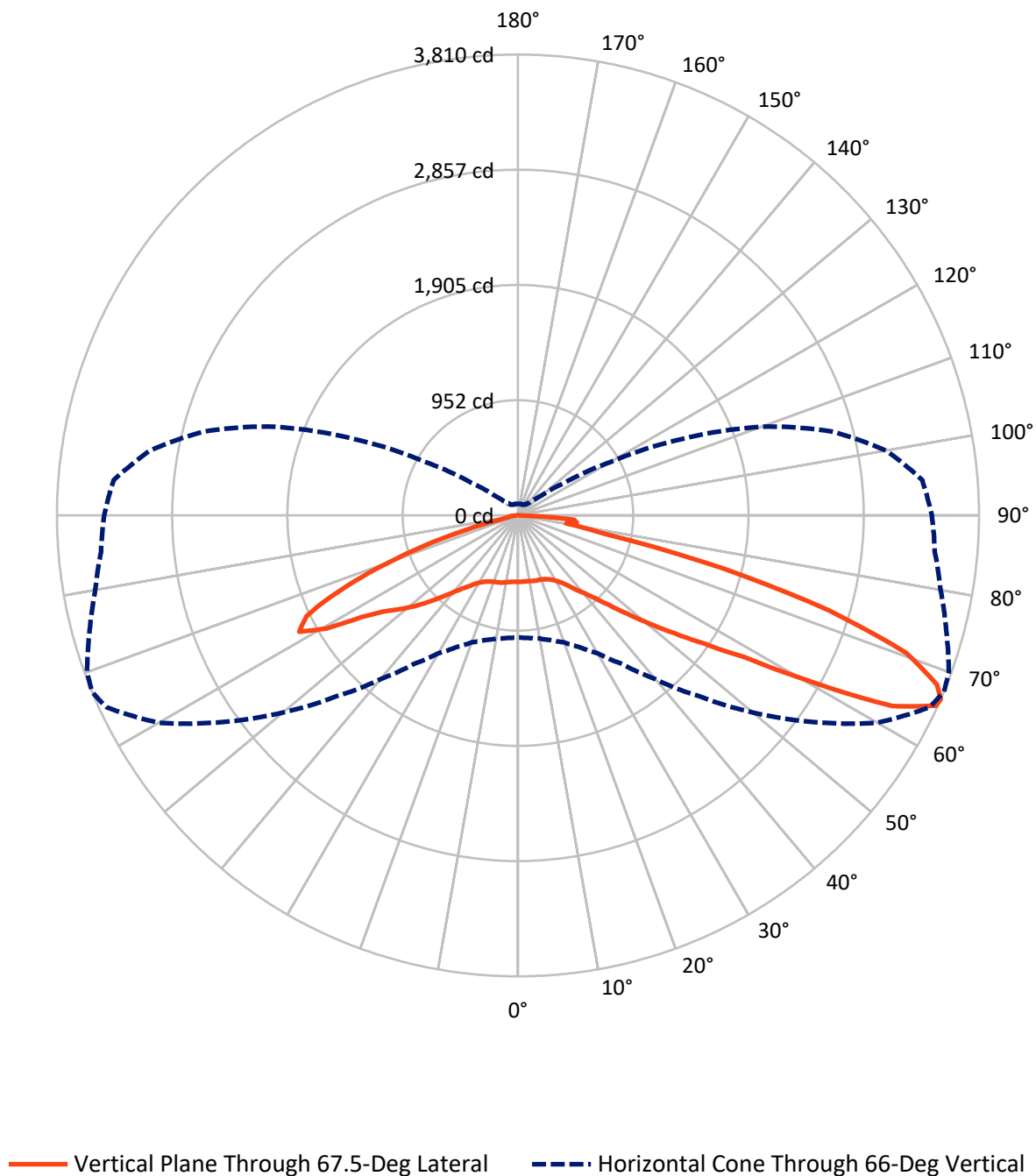


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1758.3   | 0.0    | 1758.3 |
|                    | % Fixture | 34.5     | 0.0    | 34.5   |
| <b>Street Side</b> | Lumens    | 3333.4   | 0.0    | 3333.4 |
|                    | % Fixture | 65.5     | 0.0    | 65.5   |
| <b>Total</b>       | Lumens    | 5091.7   | 0.0    | 5091.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.6   | 1.0       |
| 10°-20°   | 155.1  | 3.0       |
| 20°-30°   | 266.6  | 5.2       |
| 30°-40°   | 432.8  | 8.5       |
| 40°-50°   | 722.6  | 14.2      |
| 50°-60°   | 1137.8 | 22.3      |
| 60°-70°   | 1551.6 | 30.5      |
| 70°-80°   | 671.7  | 13.2      |
| 80°-90°   | 101.0  | 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°    | 5091.7 | 100.0     |
| 0°-180°   | 5091.7 | 100.0     |

**Coefficient of Utilization**



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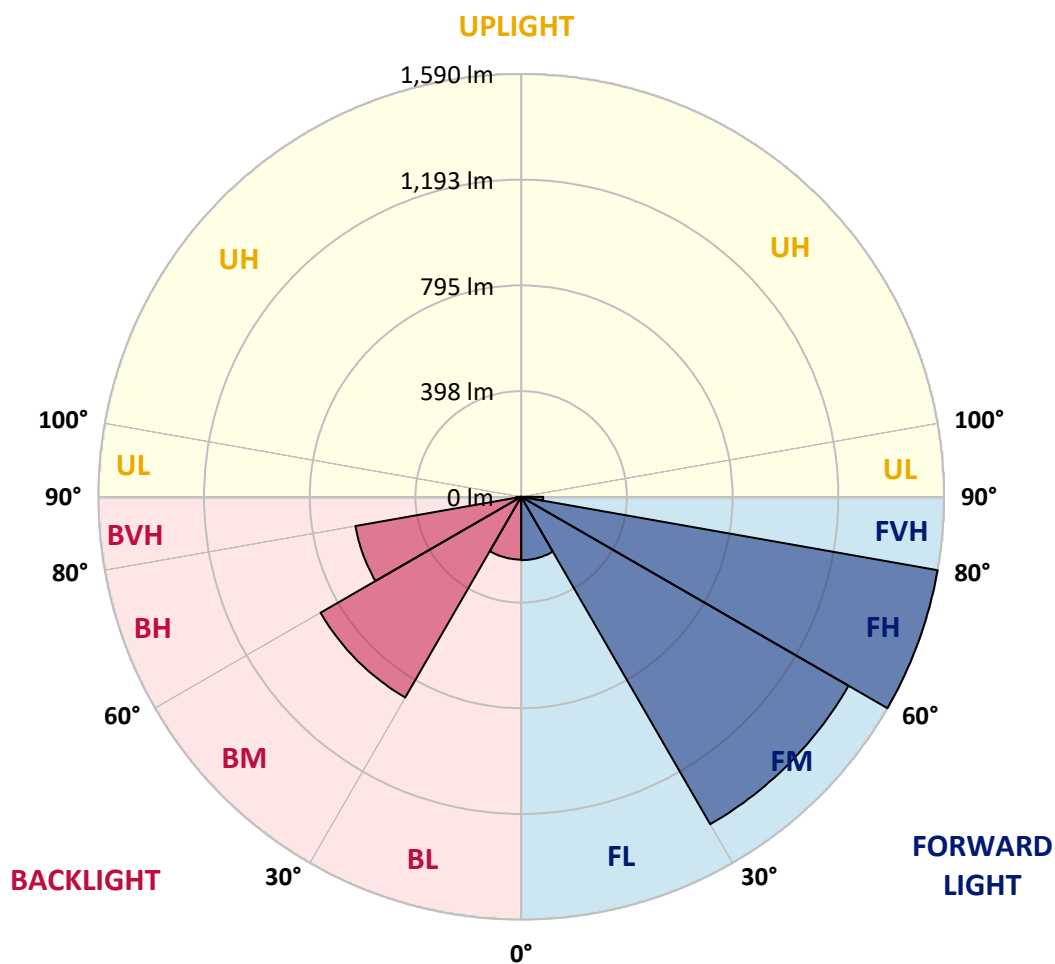
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 238.2  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1421.9 | 27.9      |                         |      |         |
| FH   | (60°-80°)   | 1590.3 | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 82.9   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 236.0  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 871.3  | 17.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 632.9  | 12.4      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 18.1   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  |
| 2.5°  | 550.9  | 553.1  | 550.9  | 551.4  | 552.0  | 551.4  | 550.9  | 550.9  | 549.2  | 550.4  | 551.4  |
| 5°    | 548.7  | 550.4  | 549.8  | 550.4  | 550.9  | 550.4  | 549.8  | 550.4  | 549.2  | 549.8  | 551.4  |
| 7.5°  | 545.9  | 545.4  | 545.9  | 547.0  | 548.2  | 548.2  | 548.2  | 548.7  | 548.2  | 548.2  | 549.8  |
| 10°   | 537.7  | 538.2  | 539.4  | 541.0  | 541.6  | 543.2  | 543.2  | 544.9  | 545.4  | 546.5  | 548.7  |
| 12.5° | 527.3  | 527.8  | 528.9  | 529.9  | 532.7  | 535.4  | 535.4  | 539.4  | 541.0  | 543.7  | 547.6  |
| 15°   | 519.5  | 520.1  | 521.1  | 522.3  | 524.5  | 527.3  | 528.9  | 533.3  | 536.1  | 541.0  | 546.5  |
| 17.5° | 523.9  | 523.4  | 524.5  | 525.1  | 525.1  | 527.3  | 527.3  | 530.6  | 533.9  | 538.2  | 545.4  |
| 20°   | 536.6  | 536.6  | 537.7  | 537.7  | 537.1  | 538.2  | 536.1  | 536.1  | 536.6  | 538.8  | 543.7  |
| 22.5° | 549.2  | 548.7  | 550.9  | 552.0  | 552.5  | 554.2  | 552.0  | 551.4  | 548.7  | 547.0  | 548.7  |
| 25°   | 561.3  | 560.8  | 563.5  | 565.2  | 568.0  | 569.6  | 569.6  | 569.6  | 567.5  | 564.7  | 563.0  |
| 27.5° | 580.1  | 580.1  | 582.8  | 584.5  | 586.6  | 589.9  | 591.6  | 591.6  | 592.2  | 588.3  | 585.6  |
| 30°   | 611.4  | 612.0  | 612.5  | 614.7  | 616.9  | 618.0  | 620.2  | 621.9  | 623.5  | 621.3  | 616.9  |
| 32.5° | 648.9  | 645.6  | 645.6  | 648.9  | 651.6  | 654.9  | 656.1  | 658.2  | 661.6  | 659.9  | 659.3  |
| 35°   | 693.5  | 692.3  | 691.2  | 692.3  | 695.6  | 699.5  | 703.9  | 707.8  | 705.6  | 708.8  | 707.2  |
| 37.5° | 759.5  | 760.6  | 761.1  | 761.1  | 760.6  | 761.7  | 763.8  | 767.8  | 766.6  | 767.8  | 769.9  |
| 40°   | 868.5  | 864.6  | 860.7  | 861.3  | 855.8  | 856.9  | 848.1  | 851.9  | 852.5  | 848.6  | 850.3  |
| 42.5° | 977.4  | 979.6  | 981.2  | 985.7  | 981.9  | 979.6  | 971.4  | 971.4  | 966.9  | 963.1  | 962.0  |
| 45°   | 1095.2 | 1099.6 | 1100.1 | 1108.9 | 1105.7 | 1112.8 | 1118.9 | 1117.2 | 1110.1 | 1109.5 | 1101.8 |
| 47.5° | 1189.3 | 1196.5 | 1204.1 | 1214.6 | 1222.9 | 1238.9 | 1257.5 | 1266.9 | 1272.4 | 1276.8 | 1268.0 |
| 50°   | 1259.8 | 1263.0 | 1282.9 | 1299.4 | 1317.5 | 1343.9 | 1369.8 | 1403.4 | 1430.4 | 1443.0 | 1455.1 |
| 52.5° | 1297.7 | 1306.0 | 1327.5 | 1353.3 | 1385.2 | 1424.9 | 1466.6 | 1520.1 | 1566.3 | 1597.1 | 1624.7 |
| 55°   | 1306.0 | 1314.2 | 1338.4 | 1371.5 | 1414.9 | 1468.3 | 1528.3 | 1600.9 | 1670.4 | 1729.7 | 1787.6 |
| 57.5° | 1282.9 | 1292.2 | 1318.1 | 1356.1 | 1407.3 | 1472.2 | 1547.6 | 1642.8 | 1738.5 | 1834.8 | 1920.2 |
| 60°   | 1240.5 | 1252.0 | 1275.8 | 1313.2 | 1369.8 | 1443.0 | 1533.3 | 1652.7 | 1786.9 | 1934.5 | 2097.9 |
| 62.5° | 1170.6 | 1182.7 | 1204.8 | 1246.0 | 1304.4 | 1385.2 | 1489.8 | 1638.3 | 1828.3 | 2060.5 | 2350.6 |
| 65°   | 1058.3 | 1063.8 | 1090.8 | 1132.6 | 1184.4 | 1273.5 | 1388.5 | 1568.0 | 1815.0 | 2138.1 | 2537.6 |
| 66°   | 1007.7 | 1017.1 | 1033.6 | 1067.2 | 1116.7 | 1200.3 | 1315.9 | 1498.0 | 1765.0 | 2111.2 | 2532.7 |
| 67.5° | 928.4  | 935.5  | 946.6  | 969.1  | 999.5  | 1061.0 | 1170.6 | 1342.9 | 1612.0 | 1974.6 | 2427.6 |
| 70°   | 750.7  | 754.0  | 768.8  | 776.6  | 787.0  | 807.4  | 846.9  | 946.0  | 1155.8 | 1496.4 | 1959.3 |
| 72.5° | 511.8  | 521.1  | 537.1  | 559.2  | 587.8  | 615.3  | 634.0  | 646.6  | 691.8  | 892.6  | 1305.4 |
| 75°   | 375.3  | 385.3  | 405.6  | 434.8  | 484.9  | 542.1  | 601.6  | 629.0  | 610.4  | 584.5  | 727.0  |
| 77.5° | 217.9  | 231.2  | 248.2  | 276.3  | 322.5  | 398.4  | 500.3  | 590.6  | 651.6  | 655.4  | 622.5  |
| 80°   | 91.9   | 93.6   | 104.0  | 118.3  | 146.9  | 200.3  | 279.6  | 409.4  | 544.9  | 636.2  | 657.6  |
| 82.5° | 20.9   | 25.9   | 33.1   | 39.1   | 47.9   | 66.0   | 97.9   | 162.9  | 294.4  | 461.8  | 602.1  |
| 85°   | 7.7    | 7.7    | 10.5   | 15.4   | 17.6   | 19.8   | 25.9   | 41.2   | 70.5   | 129.8  | 270.8  |
| 87.5° | 0.0    | 0.5    | 1.1    | 1.1    | 2.2    | 2.8    | 4.4    | 6.0    | 5.5    | 5.0    | 16.5   |
| 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°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  | 548.7  |
| 2.5°  | 550.4  | 549.8  | 548.7  | 548.7  | 548.7  | 548.7  | 547.6  | 548.2  | 547.0  | 547.6  | 547.6  |
| 5°    | 549.8  | 549.8  | 549.2  | 548.2  | 548.7  | 548.7  | 549.2  | 548.2  | 548.2  | 548.7  | 548.2  |
| 7.5°  | 549.8  | 549.2  | 549.2  | 549.2  | 549.8  | 549.2  | 549.8  | 549.8  | 549.8  | 550.4  | 550.4  |
| 10°   | 549.8  | 549.8  | 550.9  | 551.4  | 551.4  | 552.0  | 553.7  | 553.7  | 554.2  | 554.7  | 555.9  |
| 12.5° | 550.4  | 552.5  | 554.2  | 555.9  | 556.4  | 557.5  | 560.2  | 560.2  | 561.3  | 563.0  | 563.5  |
| 15°   | 550.9  | 554.2  | 557.5  | 558.7  | 559.7  | 561.9  | 564.7  | 565.8  | 567.5  | 569.0  | 570.2  |
| 17.5° | 550.4  | 554.7  | 558.7  | 560.2  | 561.9  | 564.7  | 568.0  | 569.0  | 571.3  | 573.5  | 575.6  |
| 20°   | 549.8  | 555.9  | 561.9  | 564.1  | 566.3  | 570.2  | 574.6  | 577.3  | 579.5  | 582.8  | 585.0  |
| 22.5° | 553.1  | 560.2  | 568.5  | 571.8  | 575.6  | 580.6  | 586.6  | 589.9  | 592.7  | 596.1  | 597.7  |
| 25°   | 563.5  | 569.0  | 579.0  | 584.5  | 589.4  | 597.7  | 605.9  | 609.7  | 613.1  | 615.9  | 616.4  |
| 27.5° | 581.1  | 582.8  | 594.9  | 602.1  | 609.2  | 622.5  | 632.3  | 635.1  | 641.1  | 643.3  | 642.8  |
| 30°   | 609.7  | 607.0  | 616.9  | 628.0  | 638.4  | 656.6  | 668.7  | 675.9  | 681.3  | 681.3  | 676.9  |
| 32.5° | 651.1  | 646.6  | 649.4  | 662.1  | 674.2  | 700.6  | 714.9  | 724.2  | 728.1  | 727.0  | 717.6  |
| 35°   | 705.0  | 702.3  | 700.6  | 710.5  | 729.7  | 760.6  | 779.3  | 784.2  | 790.3  | 789.2  | 777.1  |
| 37.5° | 768.8  | 766.6  | 766.6  | 778.2  | 796.9  | 842.6  | 862.9  | 866.2  | 865.7  | 856.9  | 834.3  |
| 40°   | 844.2  | 843.1  | 838.1  | 844.8  | 860.7  | 920.2  | 947.7  | 952.1  | 946.0  | 931.7  | 905.3  |
| 42.5° | 952.6  | 946.0  | 930.7  | 934.5  | 946.6  | 1004.4 | 1040.2 | 1052.2 | 1046.2 | 1031.9 | 989.0  |
| 45°   | 1094.1 | 1086.9 | 1061.0 | 1057.8 | 1064.4 | 1115.0 | 1161.2 | 1164.0 | 1162.9 | 1144.8 | 1094.1 |
| 47.5° | 1260.3 | 1249.3 | 1221.8 | 1213.0 | 1210.8 | 1257.5 | 1302.2 | 1306.5 | 1303.7 | 1276.8 | 1209.1 |
| 50°   | 1440.3 | 1424.4 | 1406.1 | 1400.1 | 1391.3 | 1424.9 | 1469.9 | 1470.6 | 1459.5 | 1422.1 | 1358.9 |
| 52.5° | 1632.3 | 1626.8 | 1623.5 | 1617.5 | 1613.6 | 1642.8 | 1670.4 | 1653.8 | 1637.3 | 1598.2 | 1543.2 |
| 55°   | 1826.0 | 1848.6 | 1871.7 | 1874.0 | 1880.5 | 1911.9 | 1911.4 | 1866.2 | 1854.1 | 1832.6 | 1778.1 |
| 57.5° | 2031.9 | 2115.5 | 2188.2 | 2210.8 | 2232.7 | 2291.1 | 2285.6 | 2241.0 | 2225.6 | 2199.2 | 2154.1 |
| 60°   | 2312.0 | 2537.6 | 2747.4 | 2797.4 | 2832.1 | 2902.0 | 2895.4 | 2826.6 | 2858.5 | 2856.3 | 2797.9 |
| 62.5° | 2704.5 | 3079.8 | 3394.0 | 3471.1 | 3495.2 | 3503.0 | 3461.1 | 3386.8 | 3418.2 | 3453.5 | 3274.0 |
| 65°   | 2970.3 | 3411.6 | 3734.1 | 3793.6 | 3796.9 | 3705.0 | 3611.9 | 3524.5 | 3516.8 | 3486.4 | 3230.1 |
| 66°   | 2976.3 | 3428.1 | 3751.7 | 3809.5 | 3789.1 | 3663.7 | 3545.9 | 3457.8 | 3419.9 | 3353.3 | 3087.5 |
| 67.5° | 2869.5 | 3325.2 | 3673.6 | 3734.7 | 3690.1 | 3512.3 | 3349.9 | 3236.6 | 3162.3 | 3054.4 | 2820.0 |
| 70°   | 2409.9 | 2861.9 | 3291.1 | 3405.0 | 3419.3 | 3154.1 | 2928.9 | 2795.8 | 2695.6 | 2547.6 | 2345.6 |
| 72.5° | 1791.9 | 2200.3 | 2579.0 | 2687.9 | 2743.5 | 2531.6 | 2341.8 | 2240.5 | 2103.4 | 1947.7 | 1804.0 |
| 75°   | 1123.2 | 1411.6 | 1665.4 | 1741.9 | 1689.5 | 1525.6 | 1411.6 | 1369.2 | 1234.4 | 1141.5 | 1076.0 |
| 77.5° | 642.3  | 732.5  | 752.8  | 723.7  | 662.1  | 506.8  | 360.5  | 266.9  | 231.7  | 256.5  | 282.9  |
| 80°   | 626.8  | 574.6  | 457.9  | 402.9  | 364.9  | 251.0  | 147.5  | 101.2  | 84.2   | 86.4   | 93.6   |
| 82.5° | 679.2  | 728.7  | 599.9  | 489.2  | 410.6  | 277.4  | 153.0  | 81.5   | 55.0   | 65.0   | 73.2   |
| 85°   | 441.3  | 614.2  | 553.1  | 466.1  | 377.5  | 237.2  | 126.0  | 42.4   | 28.1   | 36.9   | 50.7   |
| 87.5° | 44.6   | 49.0   | 41.9   | 56.7   | 42.4   | 19.8   | 9.9    | 6.0    | 5.5    | 6.6    | 9.9    |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 548.7  | 548.7  | 548.7  | 548.7  | 548.7 | 548.7 | 548.7 | 548.7 | 548.7 | 548.7 | 548.7 |
| 2.5°  | 548.2  | 548.2  | 548.7  | 549.2  | 549.8 | 550.4 | 550.4 | 550.4 | 550.4 | 551.4 | 550.9 |
| 5°    | 549.2  | 550.4  | 551.4  | 552.0  | 553.1 | 553.1 | 554.7 | 554.2 | 554.2 | 555.9 | 556.4 |
| 7.5°  | 551.4  | 553.1  | 555.3  | 554.7  | 557.0 | 556.4 | 557.5 | 557.5 | 555.9 | 556.4 | 555.3 |
| 10°   | 556.4  | 558.7  | 559.7  | 558.0  | 558.7 | 556.4 | 555.9 | 553.1 | 549.8 | 548.2 | 545.9 |
| 12.5° | 564.7  | 566.8  | 566.8  | 564.1  | 560.8 | 555.9 | 552.0 | 545.9 | 541.0 | 538.2 | 535.4 |
| 15°   | 571.8  | 574.0  | 573.5  | 569.0  | 564.1 | 556.4 | 550.9 | 543.7 | 536.6 | 532.2 | 529.4 |
| 17.5° | 577.3  | 578.4  | 576.8  | 570.7  | 565.2 | 558.0 | 552.5 | 544.9 | 536.6 | 531.1 | 526.1 |
| 20°   | 585.6  | 584.5  | 580.6  | 573.0  | 566.8 | 560.2 | 555.9 | 549.2 | 539.9 | 532.7 | 525.6 |
| 22.5° | 597.7  | 593.3  | 586.1  | 577.8  | 571.8 | 565.8 | 561.3 | 554.2 | 544.9 | 536.1 | 527.8 |
| 25°   | 613.7  | 604.9  | 594.9  | 586.1  | 580.6 | 574.0 | 569.0 | 561.3 | 551.4 | 541.6 | 531.6 |
| 27.5° | 636.8  | 621.3  | 608.7  | 600.9  | 594.9 | 586.6 | 580.6 | 570.7 | 560.2 | 548.7 | 537.7 |
| 30°   | 662.6  | 641.7  | 629.6  | 623.5  | 616.9 | 608.2 | 598.8 | 586.1 | 574.0 | 561.3 | 548.2 |
| 32.5° | 696.2  | 670.9  | 659.3  | 653.3  | 644.5 | 633.5 | 622.5 | 608.2 | 591.1 | 574.6 | 558.7 |
| 35°   | 740.2  | 714.4  | 702.3  | 692.8  | 680.8 | 666.4 | 650.5 | 631.3 | 608.2 | 586.1 | 565.8 |
| 37.5° | 787.6  | 759.5  | 747.9  | 738.0  | 719.9 | 701.1 | 678.5 | 650.5 | 619.2 | 589.9 | 564.7 |
| 40°   | 847.6  | 821.7  | 806.8  | 789.7  | 768.3 | 735.9 | 700.6 | 659.9 | 619.7 | 583.9 | 554.2 |
| 42.5° | 923.5  | 897.6  | 875.6  | 848.6  | 811.2 | 761.1 | 711.1 | 658.2 | 609.7 | 569.0 | 537.1 |
| 45°   | 1024.2 | 992.8  | 954.8  | 907.6  | 846.9 | 777.1 | 711.6 | 647.8 | 591.1 | 545.9 | 511.8 |
| 47.5° | 1147.5 | 1099.6 | 1037.4 | 957.6  | 870.7 | 781.5 | 702.8 | 626.8 | 561.9 | 513.0 | 474.9 |
| 50°   | 1293.9 | 1218.4 | 1116.1 | 998.9  | 882.8 | 774.9 | 680.8 | 595.4 | 520.6 | 468.4 | 423.2 |
| 52.5° | 1461.1 | 1337.9 | 1187.2 | 1028.6 | 882.2 | 752.8 | 643.3 | 548.2 | 466.7 | 408.4 | 365.4 |
| 55°   | 1657.6 | 1474.4 | 1260.3 | 1050.6 | 866.8 | 712.1 | 586.1 | 481.6 | 400.1 | 346.2 | 306.5 |
| 57.5° | 1945.5 | 1695.6 | 1388.0 | 1084.8 | 836.0 | 649.4 | 508.5 | 401.8 | 330.3 | 279.1 | 245.5 |
| 60°   | 2471.6 | 2064.9 | 1618.0 | 1153.6 | 788.6 | 557.5 | 417.7 | 316.5 | 256.5 | 215.2 | 192.6 |
| 62.5° | 2867.9 | 2350.6 | 1742.4 | 1138.1 | 693.5 | 444.1 | 309.8 | 230.6 | 188.8 | 160.7 | 146.4 |
| 65°   | 2811.2 | 2262.0 | 1609.7 | 980.2  | 543.7 | 313.2 | 205.8 | 156.9 | 129.8 | 116.7 | 108.4 |
| 66°   | 2683.0 | 2146.3 | 1494.7 | 882.2  | 469.9 | 260.3 | 169.5 | 131.5 | 111.7 | 102.4 | 96.9  |
| 67.5° | 2439.7 | 1931.7 | 1288.9 | 723.1  | 361.0 | 188.8 | 127.7 | 104.0 | 90.8  | 86.9  | 83.1  |
| 70°   | 2028.1 | 1540.4 | 904.8  | 421.0  | 184.4 | 105.1 | 80.9  | 72.6  | 69.3  | 68.8  | 67.7  |
| 72.5° | 1554.2 | 1090.3 | 532.7  | 199.3  | 95.8  | 69.8  | 62.7  | 60.0  | 58.9  | 58.9  | 59.5  |
| 75°   | 952.6  | 612.5  | 235.5  | 97.4   | 67.2  | 58.9  | 55.5  | 54.5  | 53.9  | 54.5  | 53.9  |
| 77.5° | 318.1  | 194.8  | 100.7  | 73.8   | 61.1  | 54.5  | 52.3  | 51.2  | 51.2  | 51.2  | 51.2  |
| 80°   | 97.4   | 84.8   | 77.1   | 68.3   | 57.8  | 51.7  | 48.4  | 47.9  | 48.4  | 49.0  | 47.4  |
| 82.5° | 73.2   | 69.3   | 65.0   | 60.5   | 52.3  | 46.2  | 45.1  | 45.1  | 45.1  | 43.5  | 41.2  |
| 85°   | 53.9   | 53.4   | 44.0   | 41.2   | 38.5  | 38.5  | 38.5  | 38.5  | 36.9  | 34.1  | 31.9  |
| 87.5° | 9.9    | 9.3    | 9.9    | 10.5   | 15.4  | 16.5  | 16.5  | 17.6  | 19.3  | 18.1  | 18.1  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 548.7 | 548.7 | 548.7 | 548.7 | 548.7 |
| 2.5°  | 550.9 | 550.4 | 552.0 | 550.9 | 551.4 |
| 5°    | 555.9 | 555.3 | 556.4 | 555.3 | 557.0 |
| 7.5°  | 554.2 | 553.1 | 552.5 | 553.1 | 553.7 |
| 10°   | 542.7 | 541.6 | 541.0 | 540.4 | 541.0 |
| 12.5° | 532.7 | 530.6 | 530.6 | 529.4 | 529.9 |
| 15°   | 525.6 | 523.9 | 523.4 | 522.3 | 522.8 |
| 17.5° | 522.3 | 519.5 | 518.4 | 517.3 | 517.3 |
| 20°   | 520.1 | 516.8 | 515.1 | 514.0 | 513.5 |
| 22.5° | 520.1 | 515.1 | 513.0 | 511.8 | 511.3 |
| 25°   | 522.3 | 516.3 | 513.0 | 511.3 | 510.7 |
| 27.5° | 526.7 | 519.0 | 515.1 | 513.0 | 513.0 |
| 30°   | 534.4 | 524.5 | 519.0 | 516.3 | 515.6 |
| 32.5° | 542.1 | 528.9 | 521.1 | 517.9 | 516.8 |
| 35°   | 545.9 | 528.9 | 519.5 | 514.0 | 513.0 |
| 37.5° | 541.6 | 521.8 | 510.2 | 502.0 | 500.3 |
| 40°   | 527.8 | 506.8 | 494.2 | 486.5 | 485.4 |
| 42.5° | 509.6 | 489.2 | 474.4 | 468.9 | 467.3 |
| 45°   | 484.9 | 460.6 | 445.8 | 438.0 | 438.7 |
| 47.5° | 442.5 | 417.7 | 404.5 | 397.3 | 398.4 |
| 50°   | 392.4 | 368.2 | 356.6 | 348.9 | 350.6 |
| 52.5° | 337.4 | 315.3 | 304.4 | 300.5 | 299.4 |
| 55°   | 279.6 | 262.5 | 254.8 | 250.4 | 248.8 |
| 57.5° | 226.7 | 214.6 | 209.1 | 203.6 | 204.1 |
| 60°   | 178.9 | 172.8 | 171.2 | 165.1 | 164.6 |
| 62.5° | 140.9 | 137.0 | 135.3 | 131.0 | 131.5 |
| 65°   | 106.7 | 105.7 | 106.7 | 104.0 | 105.1 |
| 66°   | 96.3  | 96.9  | 96.9  | 95.2  | 96.3  |
| 67.5° | 83.1  | 84.2  | 85.8  | 84.2  | 85.3  |
| 70°   | 68.8  | 69.8  | 71.0  | 71.0  | 71.0  |
| 72.5° | 60.0  | 61.1  | 61.7  | 61.7  | 61.7  |
| 75°   | 55.0  | 55.5  | 56.2  | 55.0  | 55.0  |
| 77.5° | 51.7  | 51.7  | 50.7  | 50.1  | 49.5  |
| 80°   | 46.7  | 46.2  | 44.6  | 43.5  | 43.5  |
| 82.5° | 39.1  | 37.9  | 36.9  | 35.2  | 35.2  |
| 85°   | 29.7  | 28.6  | 27.6  | 25.3  | 24.2  |
| 87.5° | 15.4  | 16.0  | 15.4  | 12.6  | 11.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)