

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: P155359

Luminaire Tested: **VXM-E02-LED-E1-T3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155359  
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-E02-LED-E1-T3-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5633.4 lumens  
Efficiency: N/A  
Efficacy: 108.1 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): 52.1  
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



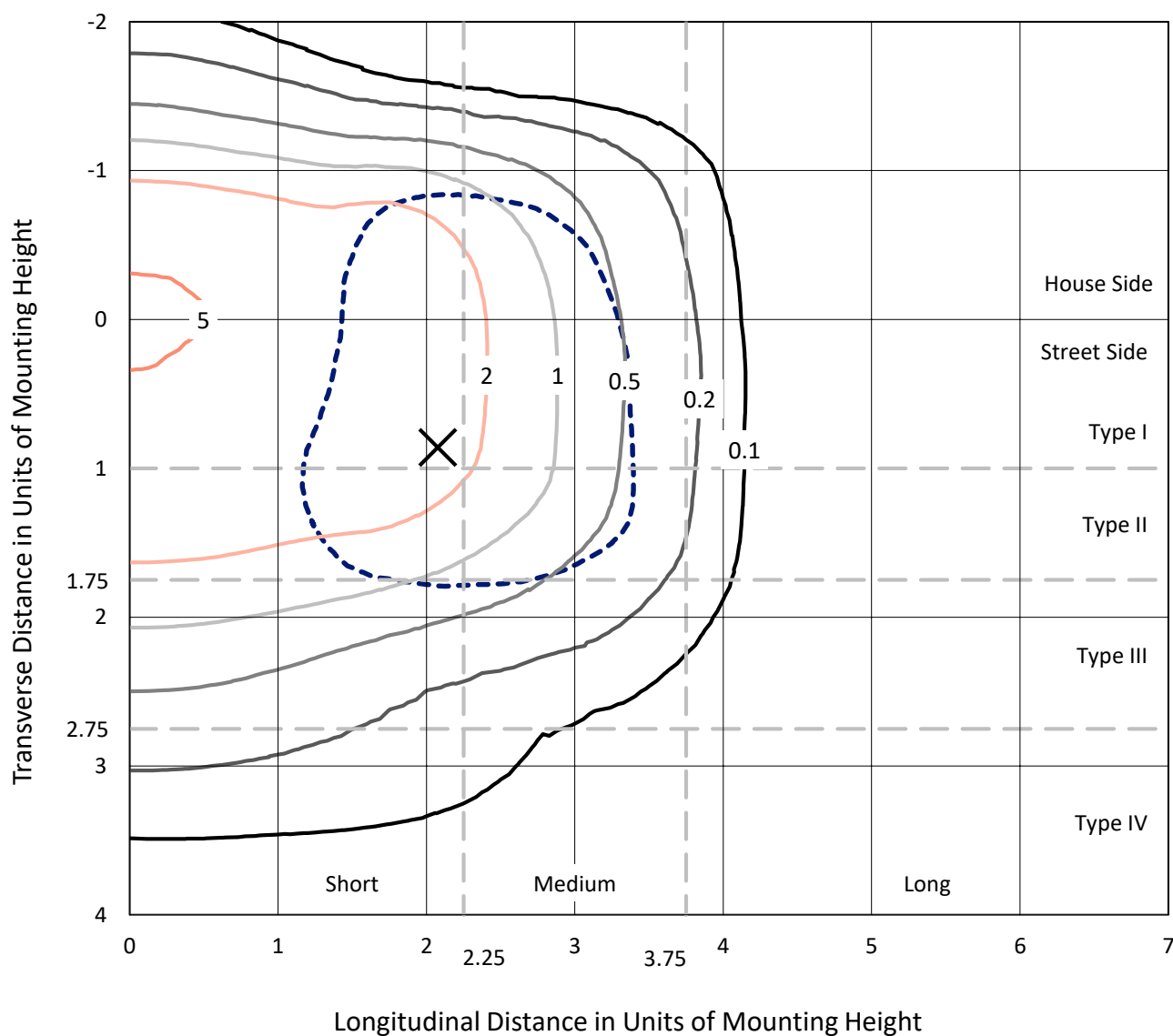
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

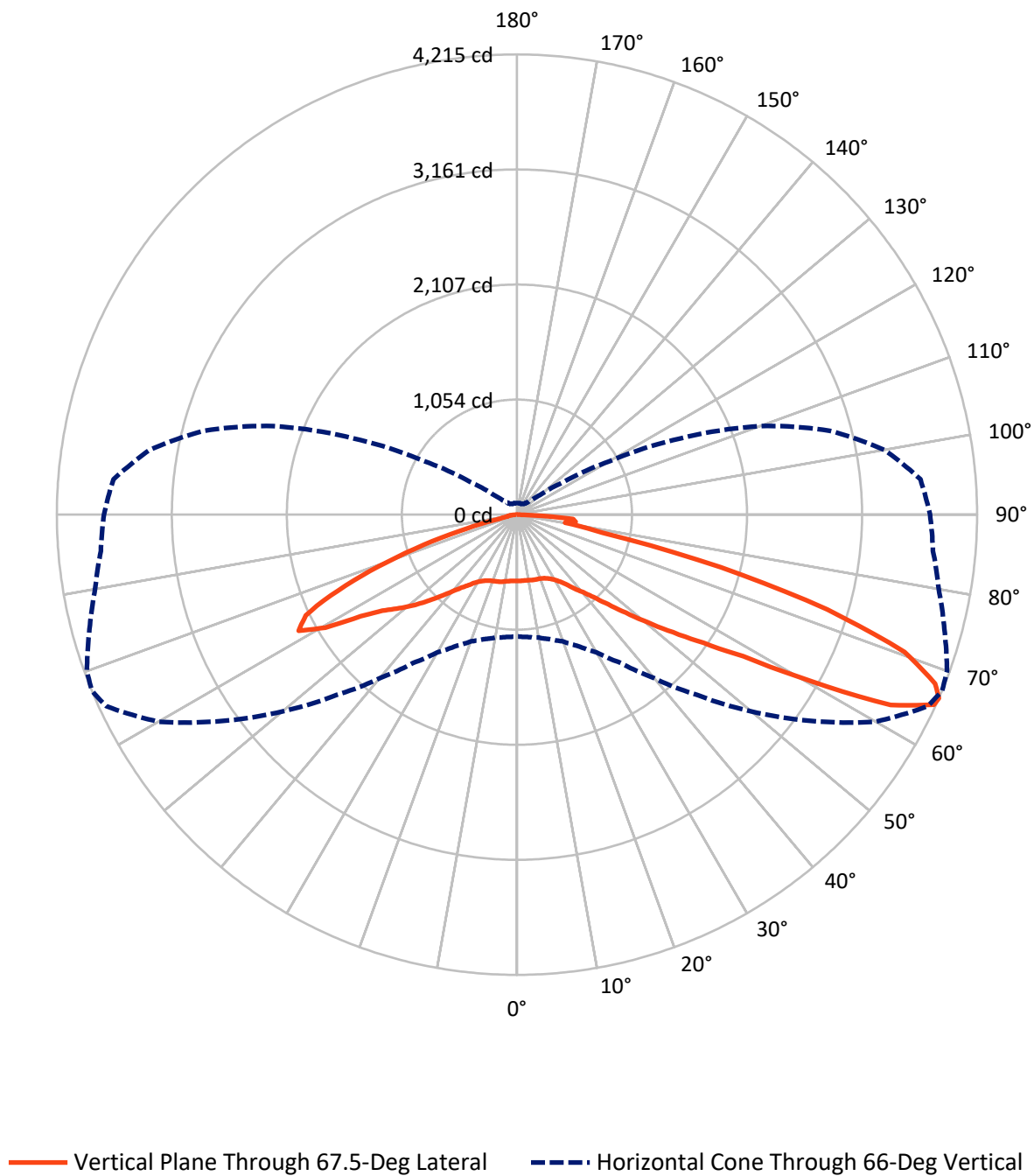


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1945.4   | 0.0    | 1945.4 |
|                    | % Fixture | 34.5     | 0.0    | 34.5   |
| <b>Street Side</b> | Lumens    | 3688.0   | 0.0    | 3688.0 |
|                    | % Fixture | 65.5     | 0.0    | 65.5   |
| <b>Total</b>       | Lumens    | 5633.4   | 0.0    | 5633.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.1   | 1.0       |
| 10°-20°   | 171.6  | 3.0       |
| 20°-30°   | 294.9  | 5.2       |
| 30°-40°   | 478.9  | 8.5       |
| 40°-50°   | 799.5  | 14.2      |
| 50°-60°   | 1258.9 | 22.3      |
| 60°-70°   | 1716.6 | 30.5      |
| 70°-80°   | 743.1  | 13.2      |
| 80°-90°   | 111.7  | 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°    | 5633.4 | 100.0     |
| 0°-180°   | 5633.4 | 100.0     |

**Coefficient of Utilization**



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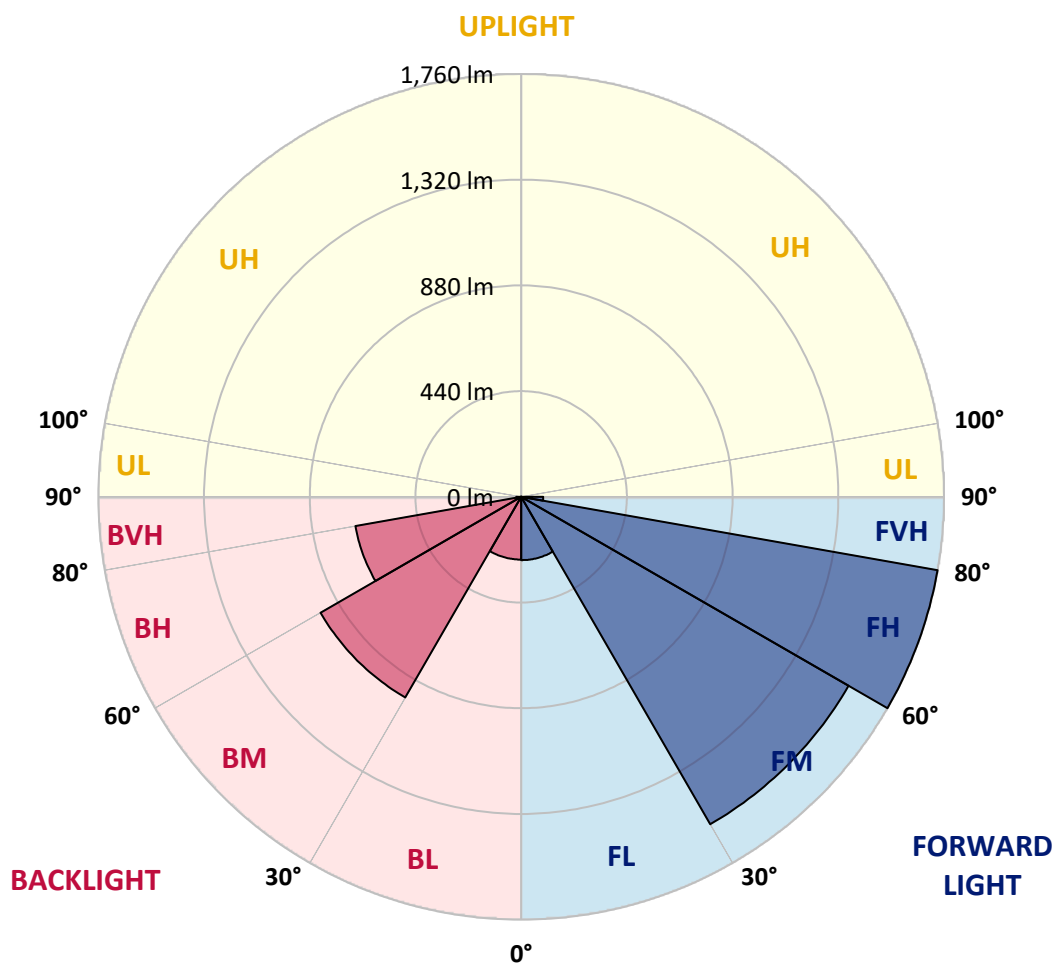
CATALOG NUMBER: VXM-E02-LED-E1-T3-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 263.5  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1573.2 | 27.9      |                         |      |         |
| FH   | (60°-80°)   | 1759.5 | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 91.7   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 261.1  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 964.0  | 17.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 700.2  | 12.4      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.0   | 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°    | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  |
| 2.5°  | 609.5  | 611.9  | 609.5  | 610.1  | 610.7  | 610.1  | 609.5  | 609.5  | 607.7  | 608.9  | 610.1  |
| 5°    | 607.1  | 608.9  | 608.3  | 608.9  | 609.5  | 608.9  | 608.3  | 608.9  | 607.7  | 608.3  | 610.1  |
| 7.5°  | 604.0  | 603.4  | 604.0  | 605.2  | 606.5  | 606.5  | 606.5  | 607.1  | 606.5  | 606.5  | 608.3  |
| 10°   | 594.9  | 595.5  | 596.7  | 598.5  | 599.2  | 601.0  | 601.0  | 602.8  | 603.4  | 604.6  | 607.1  |
| 12.5° | 583.3  | 583.9  | 585.2  | 586.4  | 589.4  | 592.5  | 592.5  | 596.7  | 598.5  | 601.6  | 605.9  |
| 15°   | 574.8  | 575.4  | 576.6  | 577.8  | 580.3  | 583.3  | 585.2  | 590.0  | 593.1  | 598.5  | 604.6  |
| 17.5° | 579.7  | 579.1  | 580.3  | 580.9  | 580.9  | 583.3  | 583.3  | 587.0  | 590.6  | 595.5  | 603.4  |
| 20°   | 593.7  | 593.7  | 594.9  | 594.9  | 594.3  | 595.5  | 593.1  | 593.1  | 593.7  | 596.1  | 601.6  |
| 22.5° | 607.7  | 607.1  | 609.5  | 610.7  | 611.3  | 613.2  | 610.7  | 610.1  | 607.1  | 605.2  | 607.1  |
| 25°   | 621.1  | 620.5  | 623.5  | 625.3  | 628.4  | 630.2  | 630.2  | 630.2  | 627.8  | 624.7  | 622.9  |
| 27.5° | 641.8  | 641.8  | 644.8  | 646.7  | 649.1  | 652.7  | 654.6  | 654.6  | 655.2  | 650.9  | 647.9  |
| 30°   | 676.5  | 677.1  | 677.7  | 680.1  | 682.6  | 683.8  | 686.2  | 688.1  | 689.9  | 687.4  | 682.6  |
| 32.5° | 717.9  | 714.2  | 714.2  | 717.9  | 720.9  | 724.6  | 725.8  | 728.2  | 731.9  | 730.1  | 729.5  |
| 35°   | 767.2  | 766.0  | 764.8  | 766.0  | 769.6  | 773.9  | 778.8  | 783.0  | 780.6  | 784.3  | 782.4  |
| 37.5° | 840.3  | 841.5  | 842.1  | 842.1  | 841.5  | 842.7  | 845.2  | 849.4  | 848.2  | 849.4  | 851.9  |
| 40°   | 960.8  | 956.6  | 952.3  | 952.9  | 946.8  | 948.1  | 938.3  | 942.6  | 943.2  | 938.9  | 940.8  |
| 42.5° | 1081.4 | 1083.8 | 1085.7 | 1090.5 | 1086.3 | 1083.8 | 1074.7 | 1074.7 | 1069.8 | 1065.6 | 1064.4 |
| 45°   | 1211.7 | 1216.6 | 1217.2 | 1226.9 | 1223.3 | 1231.2 | 1237.9 | 1236.1 | 1228.2 | 1227.5 | 1219.0 |
| 47.5° | 1315.8 | 1323.7 | 1332.3 | 1343.8 | 1353.0 | 1370.6 | 1391.3 | 1401.7 | 1407.8 | 1412.6 | 1402.9 |
| 50°   | 1393.8 | 1397.4 | 1419.3 | 1437.6 | 1457.7 | 1486.9 | 1515.6 | 1552.7 | 1582.5 | 1596.5 | 1609.9 |
| 52.5° | 1435.8 | 1444.9 | 1468.7 | 1497.3 | 1532.6 | 1576.4 | 1622.7 | 1681.8 | 1732.9 | 1767.0 | 1797.5 |
| 55°   | 1444.9 | 1454.1 | 1480.8 | 1517.4 | 1565.5 | 1624.5 | 1690.9 | 1771.3 | 1848.0 | 1913.8 | 1977.7 |
| 57.5° | 1419.3 | 1429.7 | 1458.3 | 1500.3 | 1557.0 | 1628.8 | 1712.2 | 1817.6 | 1923.5 | 2030.1 | 2124.5 |
| 60°   | 1372.5 | 1385.2 | 1411.4 | 1452.8 | 1515.6 | 1596.5 | 1696.4 | 1828.5 | 1977.1 | 2140.3 | 2321.1 |
| 62.5° | 1295.1 | 1308.5 | 1332.9 | 1378.6 | 1443.1 | 1532.6 | 1648.3 | 1812.7 | 2022.8 | 2279.7 | 2600.6 |
| 65°   | 1170.9 | 1177.0 | 1206.8 | 1253.1 | 1310.4 | 1409.0 | 1536.3 | 1734.8 | 2008.2 | 2365.6 | 2807.6 |
| 66°   | 1114.9 | 1125.2 | 1143.5 | 1180.7 | 1235.5 | 1328.0 | 1455.9 | 1657.4 | 1952.7 | 2335.7 | 2802.2 |
| 67.5° | 1027.2 | 1035.1 | 1047.3 | 1072.3 | 1105.8 | 1174.0 | 1295.1 | 1485.7 | 1783.5 | 2184.7 | 2685.9 |
| 70°   | 830.5  | 834.2  | 850.6  | 859.2  | 870.7  | 893.3  | 937.1  | 1046.7 | 1278.7 | 1655.6 | 2167.7 |
| 72.5° | 566.3  | 576.6  | 594.3  | 618.6  | 650.3  | 680.8  | 701.5  | 715.5  | 765.4  | 987.6  | 1444.3 |
| 75°   | 415.3  | 426.2  | 448.8  | 481.0  | 536.4  | 599.8  | 665.5  | 696.0  | 675.3  | 646.7  | 804.4  |
| 77.5° | 241.1  | 255.7  | 274.6  | 305.7  | 356.8  | 440.8  | 553.5  | 653.3  | 720.9  | 725.2  | 688.7  |
| 80°   | 101.7  | 103.5  | 115.1  | 130.9  | 162.6  | 221.6  | 309.3  | 453.0  | 602.8  | 703.9  | 727.6  |
| 82.5° | 23.1   | 28.6   | 36.5   | 43.2   | 53.0   | 73.1   | 108.4  | 180.2  | 325.8  | 510.9  | 666.1  |
| 85°   | 8.5    | 8.5    | 11.6   | 17.0   | 19.5   | 21.9   | 28.6   | 45.7   | 77.9   | 143.7  | 299.6  |
| 87.5° | 0.0    | 0.6    | 1.2    | 1.2    | 2.4    | 3.0    | 4.9    | 6.7    | 6.1    | 5.5    | 18.3   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  | 607.1  |
| 2.5°  | 608.9  | 608.3  | 607.1  | 607.1  | 607.1  | 607.1  | 605.9  | 606.5  | 605.2  | 605.9  | 605.9  |
| 5°    | 608.3  | 608.3  | 607.7  | 606.5  | 607.1  | 607.1  | 607.7  | 606.5  | 606.5  | 607.1  | 606.5  |
| 7.5°  | 608.3  | 607.7  | 607.7  | 607.7  | 608.3  | 607.7  | 608.3  | 608.3  | 608.3  | 608.9  | 608.9  |
| 10°   | 608.3  | 608.3  | 609.5  | 610.1  | 610.1  | 610.7  | 612.6  | 612.6  | 613.2  | 613.8  | 615.0  |
| 12.5° | 608.9  | 611.3  | 613.2  | 615.0  | 615.6  | 616.8  | 619.9  | 619.9  | 621.1  | 622.9  | 623.5  |
| 15°   | 609.5  | 613.2  | 616.8  | 618.0  | 619.3  | 621.7  | 624.7  | 625.9  | 627.8  | 629.6  | 630.8  |
| 17.5° | 608.9  | 613.8  | 618.0  | 619.9  | 621.7  | 624.7  | 628.4  | 629.6  | 632.0  | 634.5  | 636.9  |
| 20°   | 608.3  | 615.0  | 621.7  | 624.1  | 626.6  | 630.8  | 635.7  | 638.7  | 641.2  | 644.8  | 647.3  |
| 22.5° | 611.9  | 619.9  | 629.0  | 632.6  | 636.9  | 642.4  | 649.1  | 652.7  | 655.8  | 659.4  | 661.3  |
| 25°   | 623.5  | 629.6  | 640.6  | 646.7  | 652.1  | 661.3  | 670.4  | 674.7  | 678.3  | 681.4  | 682.0  |
| 27.5° | 643.0  | 644.8  | 658.2  | 666.1  | 674.1  | 688.7  | 699.6  | 702.7  | 709.4  | 711.8  | 711.2  |
| 30°   | 674.7  | 671.6  | 682.6  | 694.8  | 706.3  | 726.4  | 739.8  | 747.7  | 753.8  | 753.8  | 748.9  |
| 32.5° | 720.3  | 715.5  | 718.5  | 732.5  | 745.9  | 775.1  | 791.0  | 801.3  | 805.6  | 804.4  | 794.0  |
| 35°   | 780.0  | 777.0  | 775.1  | 786.1  | 807.4  | 841.5  | 862.2  | 867.7  | 874.4  | 873.2  | 859.8  |
| 37.5° | 850.6  | 848.2  | 848.2  | 861.0  | 881.7  | 932.2  | 954.8  | 958.4  | 957.8  | 948.1  | 923.1  |
| 40°   | 934.1  | 932.8  | 927.4  | 934.7  | 952.3  | 1018.1 | 1048.5 | 1053.4 | 1046.7 | 1030.9 | 1001.6 |
| 42.5° | 1054.0 | 1046.7 | 1029.7 | 1033.9 | 1047.3 | 1111.2 | 1150.8 | 1164.2 | 1157.5 | 1141.7 | 1094.2 |
| 45°   | 1210.5 | 1202.6 | 1174.0 | 1170.3 | 1177.6 | 1233.6 | 1284.8 | 1287.8 | 1286.6 | 1266.5 | 1210.5 |
| 47.5° | 1394.4 | 1382.2 | 1351.8 | 1342.0 | 1339.6 | 1391.3 | 1440.7 | 1445.5 | 1442.5 | 1412.6 | 1337.8 |
| 50°   | 1593.5 | 1575.8 | 1555.7 | 1549.0 | 1539.3 | 1576.4 | 1626.4 | 1627.0 | 1614.8 | 1573.4 | 1503.4 |
| 52.5° | 1806.0 | 1799.9 | 1796.3 | 1789.6 | 1785.3 | 1817.6 | 1848.0 | 1829.7 | 1811.5 | 1768.2 | 1707.4 |
| 55°   | 2020.3 | 2045.3 | 2070.9 | 2073.3 | 2080.6 | 2115.3 | 2114.7 | 2064.8 | 2051.4 | 2027.6 | 1967.4 |
| 57.5° | 2248.1 | 2340.6 | 2421.0 | 2446.0 | 2470.3 | 2534.9 | 2528.8 | 2479.4 | 2462.4 | 2433.2 | 2383.2 |
| 60°   | 2558.0 | 2807.6 | 3039.6 | 3095.0 | 3133.4 | 3210.7 | 3203.4 | 3127.3 | 3162.6 | 3160.2 | 3095.6 |
| 62.5° | 2992.1 | 3407.4 | 3755.1 | 3840.3 | 3867.1 | 3875.6 | 3829.4 | 3747.2 | 3781.9 | 3820.8 | 3622.3 |
| 65°   | 3286.2 | 3774.6 | 4131.4 | 4197.1 | 4200.8 | 4099.1 | 3996.2 | 3899.4 | 3890.9 | 3857.4 | 3573.6 |
| 66°   | 3292.9 | 3792.8 | 4150.9 | 4214.8 | 4192.3 | 4053.4 | 3923.1 | 3825.7 | 3783.7 | 3710.0 | 3415.9 |
| 67.5° | 3174.8 | 3679.0 | 4064.4 | 4132.0 | 4082.7 | 3886.0 | 3706.4 | 3580.9 | 3498.7 | 3379.4 | 3120.0 |
| 70°   | 2666.4 | 3166.3 | 3641.2 | 3767.3 | 3783.1 | 3489.6 | 3240.6 | 3093.2 | 2982.4 | 2818.6 | 2595.1 |
| 72.5° | 1982.6 | 2434.4 | 2853.3 | 2973.9 | 3035.4 | 2800.9 | 2590.9 | 2478.8 | 2327.2 | 2154.9 | 1996.0 |
| 75°   | 1242.8 | 1561.8 | 1842.5 | 1927.2 | 1869.3 | 1687.9 | 1561.8 | 1514.9 | 1365.8 | 1262.9 | 1190.4 |
| 77.5° | 710.6  | 810.4  | 833.0  | 800.7  | 732.5  | 560.8  | 398.8  | 295.3  | 256.3  | 283.7  | 313.0  |
| 80°   | 693.5  | 635.7  | 506.6  | 445.7  | 403.7  | 277.7  | 163.2  | 112.0  | 93.2   | 95.6   | 103.5  |
| 82.5° | 751.4  | 806.2  | 663.7  | 541.3  | 454.2  | 306.9  | 169.3  | 90.1   | 60.9   | 71.9   | 81.0   |
| 85°   | 488.3  | 679.5  | 611.9  | 515.7  | 417.7  | 262.4  | 139.4  | 46.9   | 31.1   | 40.8   | 56.0   |
| 87.5° | 49.3   | 54.2   | 46.3   | 62.7   | 46.9   | 21.9   | 11.0   | 6.7    | 6.1    | 7.3    | 11.0   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 607.1  | 607.1  | 607.1  | 607.1  | 607.1 | 607.1 | 607.1 | 607.1 | 607.1 | 607.1 | 607.1 |
| 2.5°  | 606.5  | 606.5  | 607.1  | 607.7  | 608.3 | 608.9 | 608.9 | 608.9 | 608.9 | 610.1 | 609.5 |
| 5°    | 607.7  | 608.9  | 610.1  | 610.7  | 611.9 | 611.9 | 613.8 | 613.2 | 613.2 | 615.0 | 615.6 |
| 7.5°  | 610.1  | 611.9  | 614.4  | 613.8  | 616.2 | 615.6 | 616.8 | 616.8 | 615.0 | 615.6 | 614.4 |
| 10°   | 615.6  | 618.0  | 619.3  | 617.4  | 618.0 | 615.6 | 615.0 | 611.9 | 608.3 | 606.5 | 604.0 |
| 12.5° | 624.7  | 627.2  | 627.2  | 624.1  | 620.5 | 615.0 | 610.7 | 604.0 | 598.5 | 595.5 | 592.5 |
| 15°   | 632.6  | 635.1  | 634.5  | 629.6  | 624.1 | 615.6 | 609.5 | 601.6 | 593.7 | 588.8 | 585.8 |
| 17.5° | 638.7  | 640.0  | 638.1  | 631.4  | 625.3 | 617.4 | 611.3 | 602.8 | 593.7 | 587.6 | 582.1 |
| 20°   | 647.9  | 646.7  | 642.4  | 633.9  | 627.2 | 619.9 | 615.0 | 607.7 | 597.3 | 589.4 | 581.5 |
| 22.5° | 661.3  | 656.4  | 648.5  | 639.3  | 632.6 | 625.9 | 621.1 | 613.2 | 602.8 | 593.1 | 583.9 |
| 25°   | 678.9  | 669.2  | 658.2  | 648.5  | 642.4 | 635.1 | 629.6 | 621.1 | 610.1 | 599.2 | 588.2 |
| 27.5° | 704.5  | 687.4  | 673.4  | 664.9  | 658.2 | 649.1 | 642.4 | 631.4 | 619.9 | 607.1 | 594.9 |
| 30°   | 733.1  | 710.0  | 696.6  | 689.9  | 682.6 | 672.8 | 662.5 | 648.5 | 635.1 | 621.1 | 606.5 |
| 32.5° | 770.3  | 742.2  | 729.5  | 722.8  | 713.0 | 700.8 | 688.7 | 672.8 | 654.0 | 635.7 | 618.0 |
| 35°   | 819.0  | 790.4  | 777.0  | 766.6  | 753.2 | 737.4 | 719.7 | 698.4 | 672.8 | 648.5 | 625.9 |
| 37.5° | 871.3  | 840.3  | 827.5  | 816.5  | 796.4 | 775.7 | 750.8 | 719.7 | 685.0 | 652.7 | 624.7 |
| 40°   | 937.7  | 909.1  | 892.6  | 873.8  | 850.0 | 814.1 | 775.1 | 730.1 | 685.6 | 646.0 | 613.2 |
| 42.5° | 1021.7 | 993.1  | 968.8  | 938.9  | 897.5 | 842.1 | 786.7 | 728.2 | 674.7 | 629.6 | 594.3 |
| 45°   | 1133.2 | 1098.5 | 1056.4 | 1004.1 | 937.1 | 859.8 | 787.3 | 716.7 | 654.0 | 604.0 | 566.3 |
| 47.5° | 1269.6 | 1216.6 | 1147.8 | 1059.5 | 963.3 | 864.6 | 777.6 | 693.5 | 621.7 | 567.5 | 525.5 |
| 50°   | 1431.5 | 1348.1 | 1234.8 | 1105.2 | 976.7 | 857.3 | 753.2 | 658.8 | 576.0 | 518.2 | 468.2 |
| 52.5° | 1616.6 | 1480.2 | 1313.4 | 1138.0 | 976.1 | 833.0 | 711.8 | 606.5 | 516.3 | 451.8 | 404.3 |
| 55°   | 1834.0 | 1631.2 | 1394.4 | 1162.4 | 959.0 | 787.9 | 648.5 | 532.8 | 442.7 | 383.0 | 339.2 |
| 57.5° | 2152.5 | 1876.0 | 1535.6 | 1200.1 | 924.9 | 718.5 | 562.6 | 444.5 | 365.3 | 308.7 | 271.6 |
| 60°   | 2734.6 | 2284.6 | 1790.2 | 1276.3 | 872.6 | 616.8 | 462.2 | 350.1 | 283.7 | 238.1 | 213.1 |
| 62.5° | 3173.0 | 2600.6 | 1927.8 | 1259.2 | 767.2 | 491.4 | 342.8 | 255.1 | 208.9 | 177.8 | 162.0 |
| 65°   | 3110.3 | 2502.6 | 1781.0 | 1084.5 | 601.6 | 346.5 | 227.7 | 173.5 | 143.7 | 129.1 | 120.0 |
| 66°   | 2968.4 | 2374.7 | 1653.8 | 976.1  | 520.0 | 288.0 | 187.5 | 145.5 | 123.6 | 113.3 | 107.2 |
| 67.5° | 2699.3 | 2137.2 | 1426.0 | 800.1  | 399.4 | 208.9 | 141.3 | 115.1 | 100.5 | 96.2  | 91.9  |
| 70°   | 2243.8 | 1704.3 | 1001.0 | 465.8  | 204.0 | 116.3 | 89.5  | 80.4  | 76.7  | 76.1  | 74.9  |
| 72.5° | 1719.5 | 1206.2 | 589.4  | 220.4  | 105.9 | 77.3  | 69.4  | 66.4  | 65.2  | 65.2  | 65.8  |
| 75°   | 1054.0 | 677.7  | 260.6  | 107.8  | 74.3  | 65.2  | 61.5  | 60.3  | 59.7  | 60.3  | 59.7  |
| 77.5° | 351.9  | 215.6  | 111.4  | 81.6   | 67.6  | 60.3  | 57.8  | 56.6  | 56.6  | 56.6  | 56.6  |
| 80°   | 107.8  | 93.8   | 85.2   | 75.5   | 63.9  | 57.2  | 53.6  | 53.0  | 53.6  | 54.2  | 52.4  |
| 82.5° | 81.0   | 76.7   | 71.9   | 67.0   | 57.8  | 51.1  | 49.9  | 49.9  | 49.9  | 48.1  | 45.7  |
| 85°   | 59.7   | 59.1   | 48.7   | 45.7   | 42.6  | 42.6  | 42.6  | 42.6  | 40.8  | 37.8  | 35.3  |
| 87.5° | 11.0   | 10.4   | 11.0   | 11.6   | 17.0  | 18.3  | 18.3  | 19.5  | 21.3  | 20.1  | 20.1  |
| 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°    | 607.1 | 607.1 | 607.1 | 607.1 | 607.1 |
| 2.5°  | 609.5 | 608.9 | 610.7 | 609.5 | 610.1 |
| 5°    | 615.0 | 614.4 | 615.6 | 614.4 | 616.2 |
| 7.5°  | 613.2 | 611.9 | 611.3 | 611.9 | 612.6 |
| 10°   | 600.4 | 599.2 | 598.5 | 597.9 | 598.5 |
| 12.5° | 589.4 | 587.0 | 587.0 | 585.8 | 586.4 |
| 15°   | 581.5 | 579.7 | 579.1 | 577.8 | 578.5 |
| 17.5° | 577.8 | 574.8 | 573.6 | 572.4 | 572.4 |
| 20°   | 575.4 | 571.8 | 569.9 | 568.7 | 568.1 |
| 22.5° | 575.4 | 569.9 | 567.5 | 566.3 | 565.7 |
| 25°   | 577.8 | 571.1 | 567.5 | 565.7 | 565.1 |
| 27.5° | 582.7 | 574.2 | 569.9 | 567.5 | 567.5 |
| 30°   | 591.2 | 580.3 | 574.2 | 571.1 | 570.5 |
| 32.5° | 599.8 | 585.2 | 576.6 | 573.0 | 571.8 |
| 35°   | 604.0 | 585.2 | 574.8 | 568.7 | 567.5 |
| 37.5° | 599.2 | 577.2 | 564.5 | 555.3 | 553.5 |
| 40°   | 583.9 | 560.8 | 546.8 | 538.3 | 537.0 |
| 42.5° | 563.8 | 541.3 | 524.9 | 518.8 | 517.0 |
| 45°   | 536.4 | 509.6 | 493.2 | 484.7 | 485.3 |
| 47.5° | 489.6 | 462.2 | 447.5 | 439.6 | 440.8 |
| 50°   | 434.1 | 407.4 | 394.6 | 386.0 | 387.9 |
| 52.5° | 373.3 | 348.9 | 336.7 | 332.5 | 331.2 |
| 55°   | 309.3 | 290.4 | 281.9 | 277.0 | 275.2 |
| 57.5° | 250.9 | 237.5 | 231.4 | 225.3 | 225.9 |
| 60°   | 197.9 | 191.2 | 189.4 | 182.7 | 182.1 |
| 62.5° | 155.9 | 151.6 | 149.8 | 144.9 | 145.5 |
| 65°   | 118.1 | 116.9 | 118.1 | 115.1 | 116.3 |
| 66°   | 106.6 | 107.2 | 107.2 | 105.3 | 106.6 |
| 67.5° | 91.9  | 93.2  | 95.0  | 93.2  | 94.4  |
| 70°   | 76.1  | 77.3  | 78.5  | 78.5  | 78.5  |
| 72.5° | 66.4  | 67.6  | 68.2  | 68.2  | 68.2  |
| 75°   | 60.9  | 61.5  | 62.1  | 60.9  | 60.9  |
| 77.5° | 57.2  | 57.2  | 56.0  | 55.4  | 54.8  |
| 80°   | 51.8  | 51.1  | 49.3  | 48.1  | 48.1  |
| 82.5° | 43.2  | 42.0  | 40.8  | 39.0  | 39.0  |
| 85°   | 32.9  | 31.7  | 30.4  | 28.0  | 26.8  |
| 87.5° | 17.0  | 17.7  | 17.0  | 14.0  | 12.2  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)