

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: P139469

Luminaire Tested: **ENC-E02-LED-E1-BL2-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139469  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33644)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-E02-LED-E1-BL2-7030  
Description: ENTRI LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5001.7 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 46.9  
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

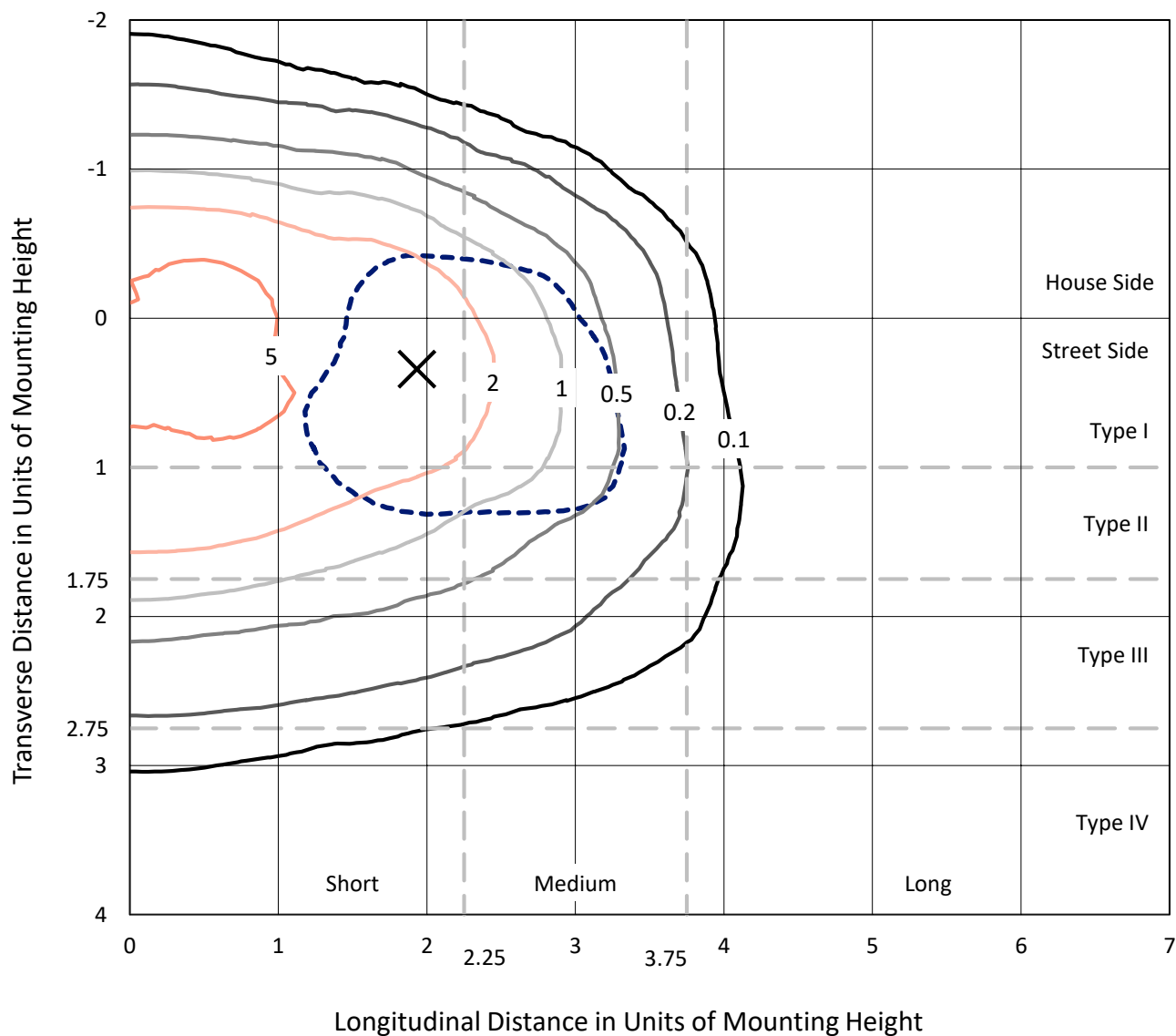


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

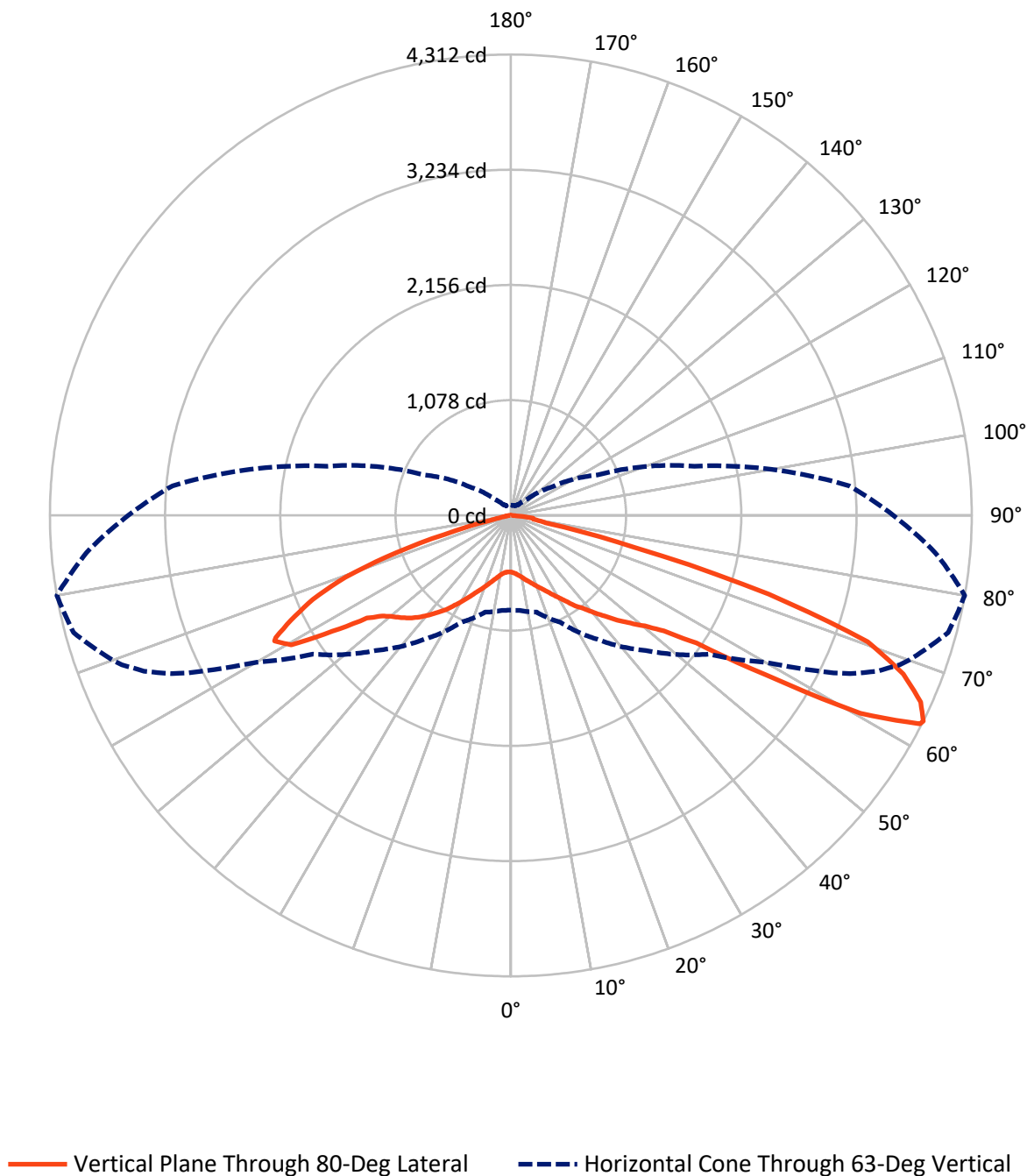


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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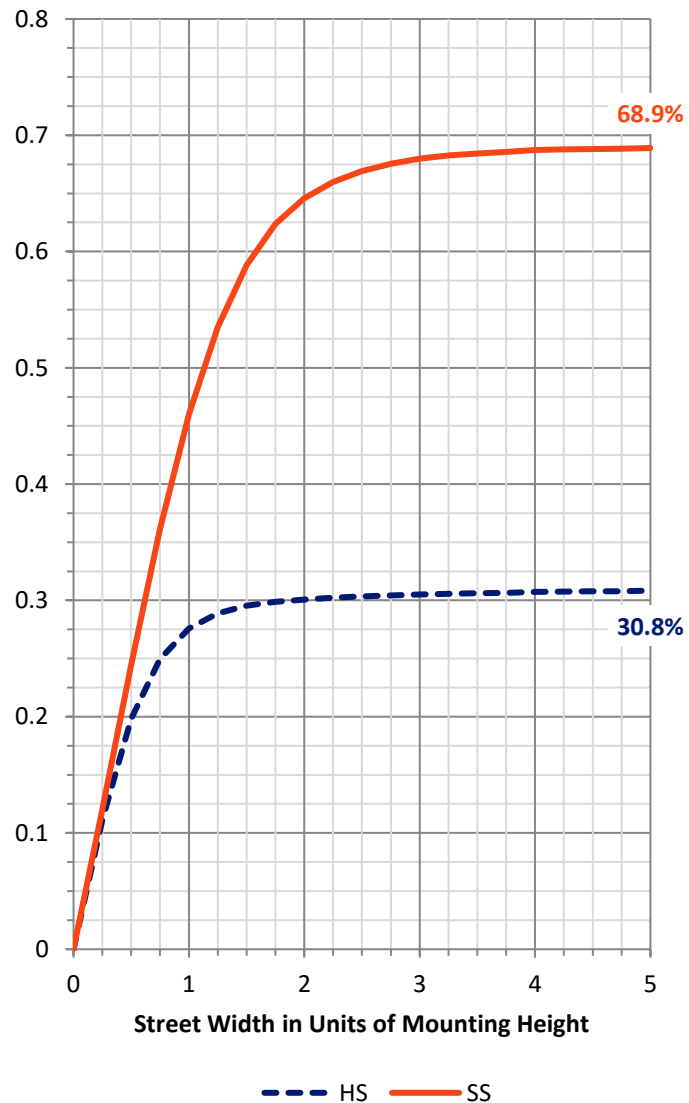
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1557.7   | 0.0    | 1557.7 |
|                    | % Fixture | 31.1     | 0.0    | 31.1   |
| <b>Street Side</b> | Lumens    | 3444.0   | 0.0    | 3444.0 |
|                    | % Fixture | 68.9     | 0.0    | 68.9   |
| <b>Total</b>       | Lumens    | 5001.7   | 0.0    | 5001.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.1   | 1.1       |
| 10°-20°   | 182.1  | 3.6       |
| 20°-30°   | 342.2  | 6.8       |
| 30°-40°   | 543.1  | 10.9      |
| 40°-50°   | 819.7  | 16.4      |
| 50°-60°   | 1152.2 | 23.0      |
| 60°-70°   | 1344.4 | 26.9      |
| 70°-80°   | 519.7  | 10.4      |
| 80°-90°   | 45.2   | 0.9       |
| 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°    | 5001.7 | 100.0     |
| 0°-180°   | 5001.7 | 100.0     |

**Coefficient of Utilization**



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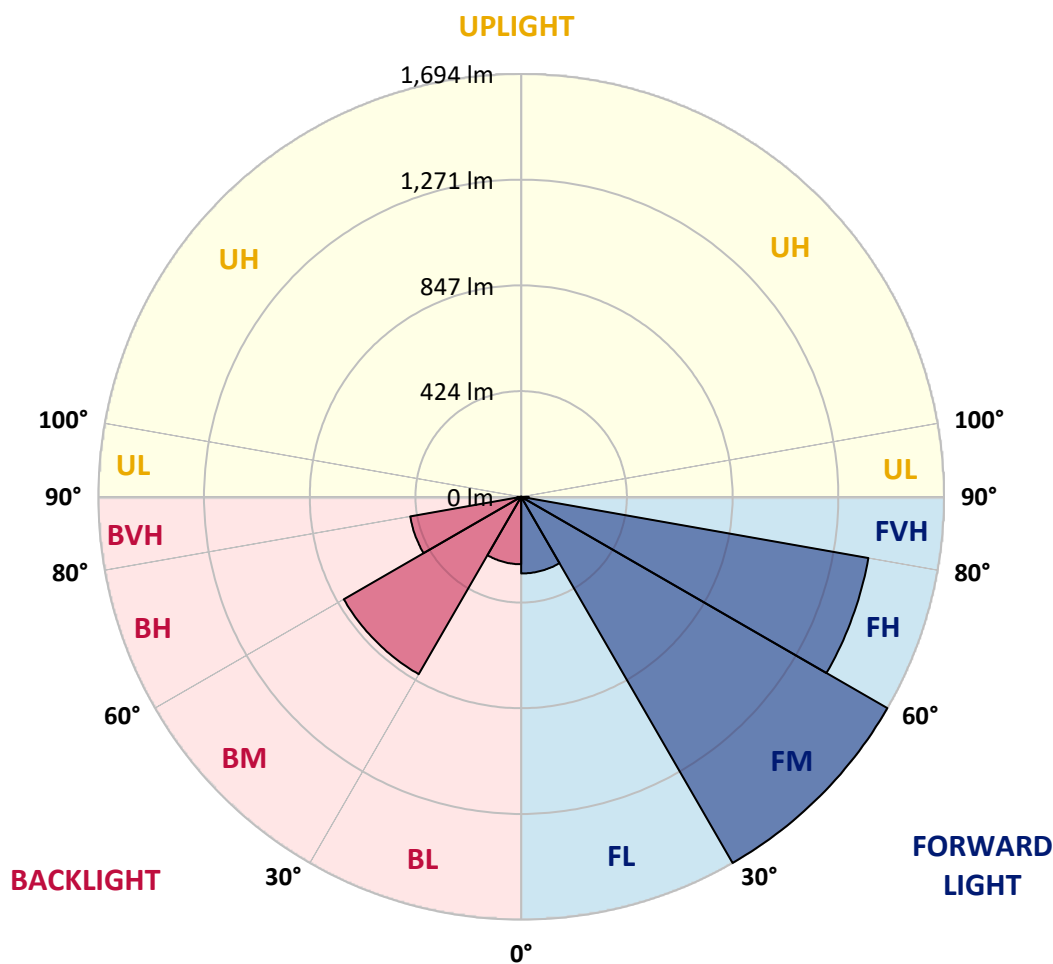
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 307.2  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1694.2 | 33.9      |                         |      |         |
| FH   | (60°-80°)   | 1412.5 | 28.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 30.1   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 270.2  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 820.8  | 16.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 451.6  | 9.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 15.1   | 0.3       |                         |      | 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 II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  |
| 2.5°  | 556.2  | 554.4  | 555.3  | 554.4  | 554.4  | 552.6  | 547.1  | 547.1  | 546.2  | 547.1  | 545.3  |
| 5°    | 586.4  | 585.5  | 584.5  | 582.7  | 582.7  | 579.1  | 569.9  | 568.1  | 569.0  | 567.2  | 563.5  |
| 7.5°  | 620.2  | 619.3  | 617.4  | 613.8  | 611.9  | 606.5  | 593.7  | 591.9  | 590.9  | 589.1  | 586.4  |
| 10°   | 654.0  | 653.0  | 650.3  | 645.7  | 641.2  | 633.0  | 620.2  | 615.6  | 614.7  | 613.8  | 611.0  |
| 12.5° | 688.7  | 685.9  | 686.8  | 678.6  | 671.3  | 661.3  | 646.7  | 642.1  | 641.2  | 640.3  | 639.3  |
| 15°   | 727.0  | 726.1  | 724.3  | 713.3  | 699.6  | 685.9  | 671.3  | 665.8  | 662.2  | 663.1  | 662.2  |
| 17.5° | 763.6  | 762.6  | 756.3  | 740.7  | 722.5  | 706.9  | 688.7  | 685.0  | 685.0  | 684.1  | 684.1  |
| 20°   | 790.0  | 789.1  | 782.7  | 763.6  | 739.8  | 722.5  | 707.8  | 707.8  | 706.9  | 707.8  | 708.8  |
| 22.5° | 801.9  | 801.9  | 793.7  | 772.7  | 747.1  | 734.3  | 729.8  | 732.5  | 733.4  | 734.3  | 736.2  |
| 25°   | 806.5  | 806.5  | 798.3  | 773.6  | 749.9  | 751.7  | 757.2  | 761.7  | 763.6  | 763.6  | 770.0  |
| 27.5° | 814.7  | 815.6  | 804.7  | 778.2  | 759.0  | 776.3  | 790.0  | 796.4  | 799.2  | 801.0  | 809.2  |
| 30°   | 839.4  | 838.5  | 829.3  | 801.0  | 786.4  | 811.1  | 835.7  | 842.1  | 848.5  | 848.5  | 857.6  |
| 32.5° | 875.9  | 875.0  | 869.5  | 847.6  | 841.2  | 872.2  | 894.2  | 907.9  | 907.0  | 908.8  | 915.2  |
| 35°   | 924.3  | 925.2  | 928.9  | 923.4  | 928.9  | 959.9  | 984.6  | 990.1  | 991.0  | 991.9  | 992.8  |
| 37.5° | 979.1  | 980.0  | 1000.1 | 1017.5 | 1042.1 | 1087.8 | 1102.4 | 1105.2 | 1098.8 | 1098.8 | 1096.9 |
| 40°   | 1020.2 | 1024.8 | 1069.5 | 1115.2 | 1167.3 | 1229.4 | 1251.3 | 1245.8 | 1241.2 | 1237.6 | 1226.6 |
| 42.5° | 1104.2 | 1107.0 | 1154.5 | 1220.2 | 1293.3 | 1379.2 | 1417.5 | 1399.3 | 1398.3 | 1381.9 | 1373.7 |
| 45°   | 1188.3 | 1195.6 | 1246.7 | 1320.7 | 1408.4 | 1527.1 | 1583.7 | 1568.2 | 1565.5 | 1558.2 | 1535.3 |
| 47.5° | 1254.9 | 1265.0 | 1321.6 | 1409.3 | 1509.8 | 1646.8 | 1748.2 | 1759.1 | 1752.7 | 1744.5 | 1726.2 |
| 50°   | 1311.6 | 1319.8 | 1377.3 | 1473.2 | 1588.3 | 1738.1 | 1883.3 | 1922.6 | 1928.1 | 1924.4 | 1919.9 |
| 52.5° | 1348.1 | 1356.3 | 1413.0 | 1515.2 | 1634.0 | 1805.7 | 1983.8 | 2061.4 | 2077.9 | 2077.0 | 2096.1 |
| 55°   | 1349.0 | 1358.2 | 1416.6 | 1528.9 | 1659.6 | 1852.3 | 2077.0 | 2199.3 | 2219.4 | 2244.1 | 2285.2 |
| 57.5° | 1298.8 | 1307.9 | 1381.0 | 1510.7 | 1666.9 | 1888.8 | 2167.4 | 2382.9 | 2437.7 | 2486.1 | 2599.4 |
| 60°   | 1159.0 | 1162.7 | 1243.1 | 1416.6 | 1632.2 | 1880.6 | 2235.9 | 2540.9 | 2618.6 | 2723.6 | 2906.3 |
| 62.5° | 944.4  | 951.7  | 1001.0 | 1170.0 | 1470.5 | 1808.4 | 2263.3 | 2717.2 | 2845.1 | 2998.5 | 3290.8 |
| 63°   | 885.0  | 891.4  | 937.1  | 1104.2 | 1415.7 | 1785.6 | 2262.4 | 2745.5 | 2886.2 | 3044.2 | 3359.3 |
| 65°   | 683.2  | 685.0  | 718.8  | 844.8  | 1161.8 | 1619.4 | 2213.0 | 2705.3 | 2883.4 | 3067.9 | 3398.6 |
| 67.5° | 550.8  | 557.1  | 590.9  | 679.5  | 917.9  | 1360.0 | 1992.0 | 2343.7 | 2465.1 | 2646.9 | 3040.5 |
| 70°   | 431.1  | 442.1  | 474.0  | 574.5  | 782.7  | 1095.1 | 1676.0 | 1956.4 | 2031.3 | 2118.1 | 2452.3 |
| 72.5° | 285.0  | 287.7  | 293.2  | 348.9  | 546.2  | 852.2  | 1394.7 | 1585.6 | 1614.8 | 1676.9 | 1840.4 |
| 75°   | 134.3  | 144.3  | 152.5  | 180.8  | 264.0  | 558.1  | 1011.1 | 1126.2 | 1160.9 | 1225.7 | 1285.1 |
| 77.5° | 58.5   | 57.5   | 61.2   | 83.1   | 138.8  | 248.4  | 629.3  | 832.1  | 843.9  | 829.3  | 803.7  |
| 80°   | 18.3   | 19.2   | 20.1   | 21.9   | 43.8   | 118.7  | 272.2  | 559.0  | 617.4  | 656.7  | 645.7  |
| 82.5° | 1.8    | 0.9    | 2.7    | 5.5    | 9.1    | 17.4   | 102.3  | 262.1  | 329.7  | 404.6  | 500.5  |
| 85°   | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 3.7    | 6.4    | 27.4   | 45.7   | 53.0   | 105.0  |
| 87.5° | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 2.7    | 2.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  | 529.7  |
| 2.5°  | 544.4  | 544.4  | 542.5  | 543.4  | 542.5  | 542.5  | 540.7  | 538.9  | 538.0  | 533.4  | 530.7  |
| 5°    | 563.5  | 563.5  | 562.6  | 560.8  | 560.8  | 559.9  | 555.3  | 550.8  | 548.0  | 542.5  | 537.0  |
| 7.5°  | 585.5  | 584.5  | 582.7  | 580.9  | 580.9  | 580.0  | 573.6  | 569.0  | 563.5  | 555.3  | 548.9  |
| 10°   | 611.0  | 610.1  | 608.3  | 605.6  | 605.6  | 604.6  | 598.2  | 590.9  | 586.4  | 576.3  | 568.1  |
| 12.5° | 638.4  | 635.7  | 634.8  | 633.0  | 631.1  | 631.1  | 625.6  | 618.3  | 614.7  | 603.7  | 595.5  |
| 15°   | 661.3  | 659.4  | 658.5  | 657.6  | 656.7  | 654.9  | 650.3  | 643.9  | 641.2  | 632.0  | 625.6  |
| 17.5° | 683.2  | 683.2  | 684.1  | 682.3  | 681.4  | 679.5  | 676.8  | 675.0  | 672.2  | 664.0  | 660.4  |
| 20°   | 708.8  | 708.8  | 710.6  | 709.7  | 708.8  | 711.5  | 710.6  | 709.7  | 709.7  | 702.4  | 699.6  |
| 22.5° | 738.9  | 738.0  | 740.7  | 739.8  | 740.7  | 743.5  | 747.1  | 745.3  | 748.9  | 744.4  | 742.6  |
| 25°   | 773.6  | 772.7  | 775.4  | 777.3  | 779.1  | 780.9  | 788.2  | 790.0  | 794.6  | 793.7  | 790.0  |
| 27.5° | 812.9  | 813.8  | 814.7  | 819.3  | 822.0  | 823.8  | 833.9  | 839.4  | 848.5  | 844.8  | 848.5  |
| 30°   | 858.5  | 863.1  | 866.8  | 871.3  | 872.2  | 874.1  | 890.5  | 896.0  | 900.6  | 903.3  | 908.8  |
| 32.5° | 921.6  | 924.3  | 925.2  | 930.7  | 932.5  | 935.3  | 952.6  | 959.9  | 966.3  | 967.2  | 977.3  |
| 35°   | 998.3  | 1000.1 | 1002.9 | 1005.6 | 1009.3 | 1007.4 | 1027.5 | 1038.5 | 1046.7 | 1047.6 | 1058.6 |
| 37.5° | 1099.7 | 1093.3 | 1096.0 | 1092.4 | 1086.9 | 1086.9 | 1093.3 | 1104.2 | 1113.4 | 1120.7 | 1131.6 |
| 40°   | 1221.1 | 1216.6 | 1215.7 | 1207.4 | 1198.3 | 1190.1 | 1186.4 | 1192.8 | 1200.1 | 1206.5 | 1220.2 |
| 42.5° | 1360.0 | 1355.4 | 1339.9 | 1334.4 | 1318.9 | 1309.7 | 1285.1 | 1287.8 | 1300.6 | 1304.3 | 1312.5 |
| 45°   | 1522.6 | 1506.1 | 1500.6 | 1466.8 | 1460.4 | 1447.7 | 1401.1 | 1397.4 | 1408.4 | 1409.3 | 1403.8 |
| 47.5° | 1708.0 | 1696.1 | 1683.3 | 1659.6 | 1634.9 | 1613.9 | 1542.6 | 1505.2 | 1517.1 | 1516.2 | 1489.7 |
| 50°   | 1909.8 | 1908.0 | 1888.8 | 1873.3 | 1851.4 | 1821.2 | 1694.3 | 1625.8 | 1634.9 | 1626.7 | 1578.3 |
| 52.5° | 2102.5 | 2097.1 | 2096.1 | 2084.3 | 2076.0 | 2066.0 | 1911.6 | 1793.8 | 1772.8 | 1755.5 | 1693.4 |
| 55°   | 2305.3 | 2319.0 | 2309.9 | 2329.0 | 2343.7 | 2341.8 | 2277.9 | 2105.3 | 1998.4 | 1984.7 | 1889.7 |
| 57.5° | 2643.2 | 2676.1 | 2720.0 | 2721.8 | 2761.1 | 2817.7 | 2932.8 | 2808.6 | 2540.9 | 2488.0 | 2361.0 |
| 60°   | 3030.5 | 3115.4 | 3225.0 | 3278.9 | 3363.0 | 3450.6 | 3739.3 | 3758.4 | 3384.0 | 3179.4 | 2946.5 |
| 62.5° | 3419.6 | 3531.0 | 3660.7 | 3744.7 | 3848.9 | 3917.4 | 4222.4 | 4295.5 | 3953.9 | 3576.7 | 3193.1 |
| 63°   | 3501.8 | 3616.0 | 3728.3 | 3810.5 | 3898.2 | 3961.2 | 4235.2 | 4311.9 | 3984.9 | 3577.6 | 3177.5 |
| 65°   | 3544.7 | 3651.6 | 3739.3 | 3812.3 | 3870.8 | 3913.7 | 4130.2 | 4213.3 | 3943.8 | 3445.2 | 3003.1 |
| 67.5° | 3218.6 | 3390.4 | 3500.9 | 3589.5 | 3648.8 | 3708.2 | 3907.3 | 3959.4 | 3768.5 | 3187.6 | 2738.2 |
| 70°   | 2664.2 | 2862.4 | 3036.9 | 3174.8 | 3277.1 | 3367.5 | 3576.7 | 3541.1 | 3376.7 | 2770.2 | 2322.6 |
| 72.5° | 1960.0 | 2132.7 | 2302.6 | 2458.7 | 2592.1 | 2707.2 | 2845.1 | 2522.7 | 2272.4 | 1842.2 | 1607.5 |
| 75°   | 1318.0 | 1355.4 | 1433.0 | 1510.7 | 1559.1 | 1592.0 | 1507.0 | 1201.1 | 975.5  | 875.0  | 765.4  |
| 77.5° | 778.2  | 752.6  | 755.3  | 736.2  | 723.4  | 720.6  | 604.6  | 336.1  | 177.2  | 180.8  | 190.0  |
| 80°   | 621.1  | 592.8  | 562.6  | 528.8  | 506.9  | 483.2  | 393.7  | 215.6  | 76.7   | 62.1   | 64.8   |
| 82.5° | 502.3  | 495.0  | 478.6  | 443.9  | 409.2  | 368.1  | 281.3  | 207.3  | 43.8   | 34.7   | 37.4   |
| 85°   | 97.7   | 109.6  | 98.6   | 107.8  | 80.4   | 75.8   | 44.8   | 48.4   | 17.4   | 15.5   | 19.2   |
| 87.5° | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 7.3    |
| 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):**

|       | 105°   | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 529.7  | 529.7  | 529.7 | 529.7 | 529.7 | 529.7 | 529.7 | 529.7 | 529.7 |
| 2.5°  | 526.1  | 522.4  | 519.7 | 516.0 | 514.2 | 511.5 | 510.6 | 507.8 | 508.7 |
| 5°    | 527.9  | 521.5  | 516.0 | 510.6 | 506.9 | 505.1 | 503.3 | 501.4 | 501.4 |
| 7.5°  | 537.0  | 528.8  | 522.4 | 516.0 | 513.3 | 509.6 | 508.7 | 506.0 | 506.0 |
| 10°   | 556.2  | 547.1  | 538.9 | 531.6 | 527.9 | 523.3 | 521.5 | 518.8 | 518.8 |
| 12.5° | 584.5  | 576.3  | 567.2 | 556.2 | 548.9 | 543.4 | 538.9 | 537.0 | 537.0 |
| 15°   | 616.5  | 610.1  | 602.8 | 588.2 | 576.3 | 566.3 | 557.1 | 553.5 | 552.6 |
| 17.5° | 654.9  | 649.4  | 642.1 | 625.6 | 606.5 | 585.5 | 569.9 | 562.6 | 561.7 |
| 20°   | 701.5  | 696.0  | 685.0 | 662.2 | 632.0 | 599.2 | 574.5 | 563.5 | 562.6 |
| 22.5° | 748.9  | 748.9  | 730.7 | 693.2 | 648.5 | 604.6 | 571.8 | 557.1 | 554.4 |
| 25°   | 801.0  | 803.7  | 776.3 | 717.9 | 657.6 | 601.9 | 559.9 | 541.6 | 538.0 |
| 27.5° | 864.0  | 861.3  | 815.6 | 737.1 | 658.5 | 590.9 | 540.7 | 518.8 | 515.1 |
| 30°   | 933.4  | 915.2  | 847.6 | 748.0 | 652.1 | 570.8 | 515.1 | 490.5 | 487.7 |
| 32.5° | 1002.9 | 963.6  | 871.3 | 749.9 | 633.9 | 541.6 | 481.3 | 455.8 | 452.1 |
| 35°   | 1076.8 | 1006.5 | 885.9 | 739.8 | 603.7 | 502.3 | 439.3 | 414.7 | 411.0 |
| 37.5° | 1138.9 | 1039.4 | 890.5 | 713.3 | 558.1 | 456.7 | 401.0 | 375.4 | 369.0 |
| 40°   | 1195.6 | 1063.1 | 882.3 | 670.4 | 506.9 | 411.9 | 360.8 | 338.9 | 337.0 |
| 42.5° | 1247.6 | 1074.1 | 853.1 | 614.7 | 455.8 | 373.6 | 327.0 | 306.0 | 304.1 |
| 45°   | 1287.8 | 1066.8 | 803.7 | 553.5 | 413.7 | 340.7 | 296.8 | 277.7 | 274.0 |
| 47.5° | 1313.4 | 1040.3 | 736.2 | 502.3 | 379.0 | 306.9 | 264.0 | 243.9 | 240.2 |
| 50°   | 1333.5 | 1001.0 | 667.7 | 463.1 | 345.2 | 272.2 | 230.2 | 211.9 | 209.2 |
| 52.5° | 1360.0 | 950.8  | 608.3 | 427.4 | 306.0 | 232.9 | 195.5 | 178.1 | 175.4 |
| 55°   | 1418.4 | 907.9  | 566.3 | 388.2 | 264.0 | 191.8 | 160.7 | 149.8 | 146.1 |
| 57.5° | 1616.6 | 922.5  | 539.8 | 340.7 | 215.6 | 154.4 | 133.3 | 127.0 | 126.0 |
| 60°   | 1824.9 | 984.6  | 527.0 | 285.9 | 167.1 | 125.1 | 113.3 | 111.4 | 110.5 |
| 62.5° | 1813.9 | 928.9  | 474.0 | 224.7 | 128.8 | 103.2 | 97.7  | 98.6  | 98.6  |
| 63°   | 1777.4 | 895.1  | 456.7 | 211.0 | 122.4 | 100.5 | 95.0  | 95.0  | 95.0  |
| 65°   | 1556.3 | 759.0  | 370.8 | 159.8 | 102.3 | 89.5  | 84.9  | 85.9  | 86.8  |
| 67.5° | 1285.1 | 548.0  | 243.9 | 111.4 | 92.2  | 81.3  | 75.8  | 74.0  | 74.0  |
| 70°   | 982.8  | 369.0  | 144.3 | 96.8  | 91.3  | 75.8  | 66.7  | 64.8  | 64.8  |
| 72.5° | 644.8  | 225.6  | 97.7  | 96.8  | 90.4  | 72.2  | 62.1  | 58.5  | 58.5  |
| 75°   | 295.9  | 111.4  | 81.3  | 93.2  | 85.9  | 66.7  | 54.8  | 50.2  | 49.3  |
| 77.5° | 115.1  | 70.3   | 73.1  | 78.5  | 66.7  | 54.8  | 49.3  | 45.7  | 44.8  |
| 80°   | 66.7   | 56.6   | 63.9  | 56.6  | 48.4  | 42.0  | 42.0  | 39.3  | 38.4  |
| 82.5° | 48.4   | 48.4   | 49.3  | 41.1  | 36.5  | 34.7  | 34.7  | 32.0  | 31.1  |
| 85°   | 34.7   | 35.6   | 41.1  | 32.9  | 28.3  | 24.7  | 22.8  | 22.8  | 21.9  |
| 87.5° | 17.4   | 28.3   | 22.8  | 13.7  | 12.8  | 11.9  | 11.9  | 11.9  | 11.0  |
| 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)