

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: STREETWORKS

Report Number: P144786

Luminaire Tested: **RDG-F01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P144786  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33700)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-F01-LED-E-U-RW-7050  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2544.4 lumens  
Efficiency: N/A  
Efficacy: 98.2 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9  
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: 28.75 FT

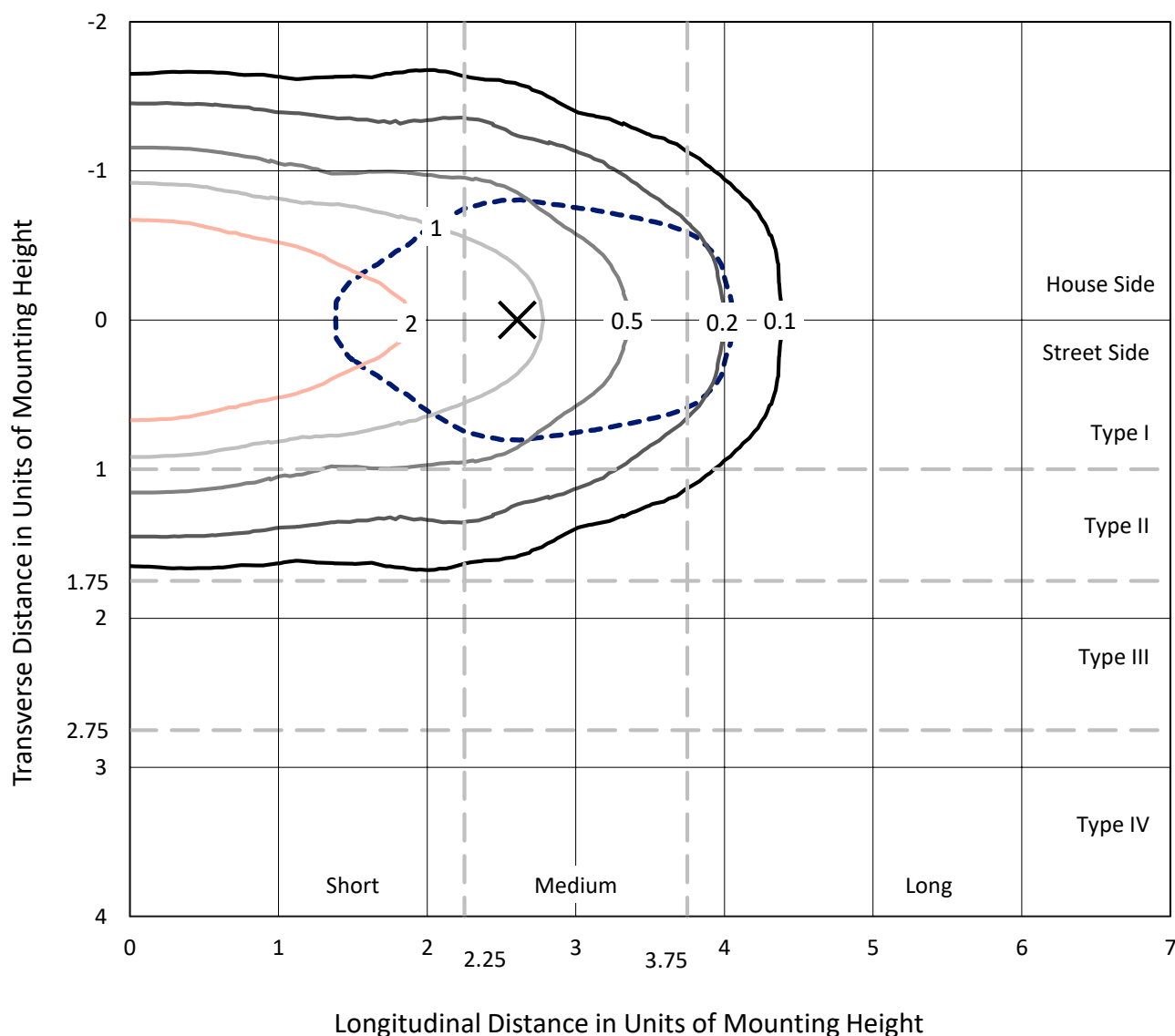


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

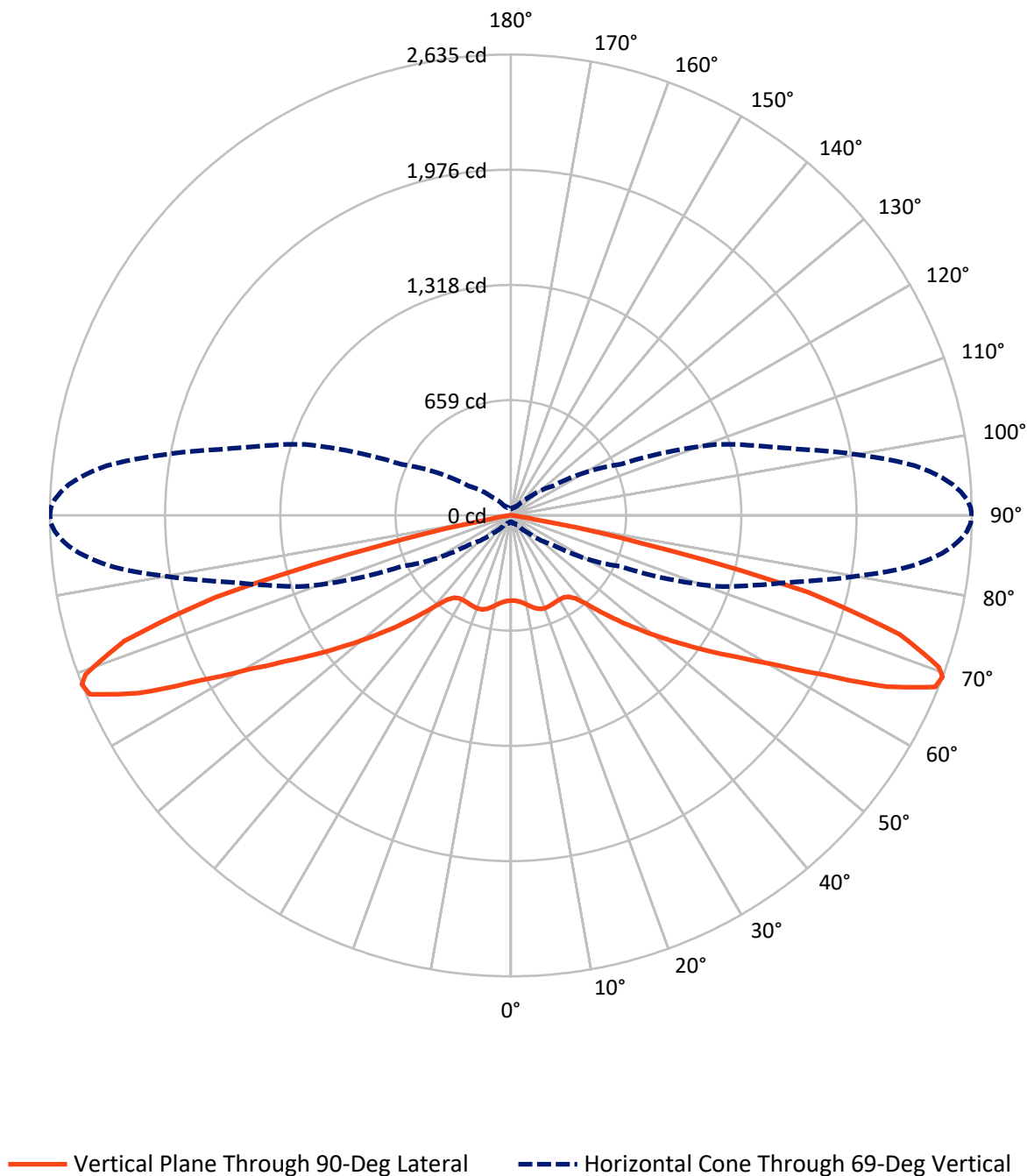


Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Medium - Full Cutoff

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## Luminous Intensity Polar Plot



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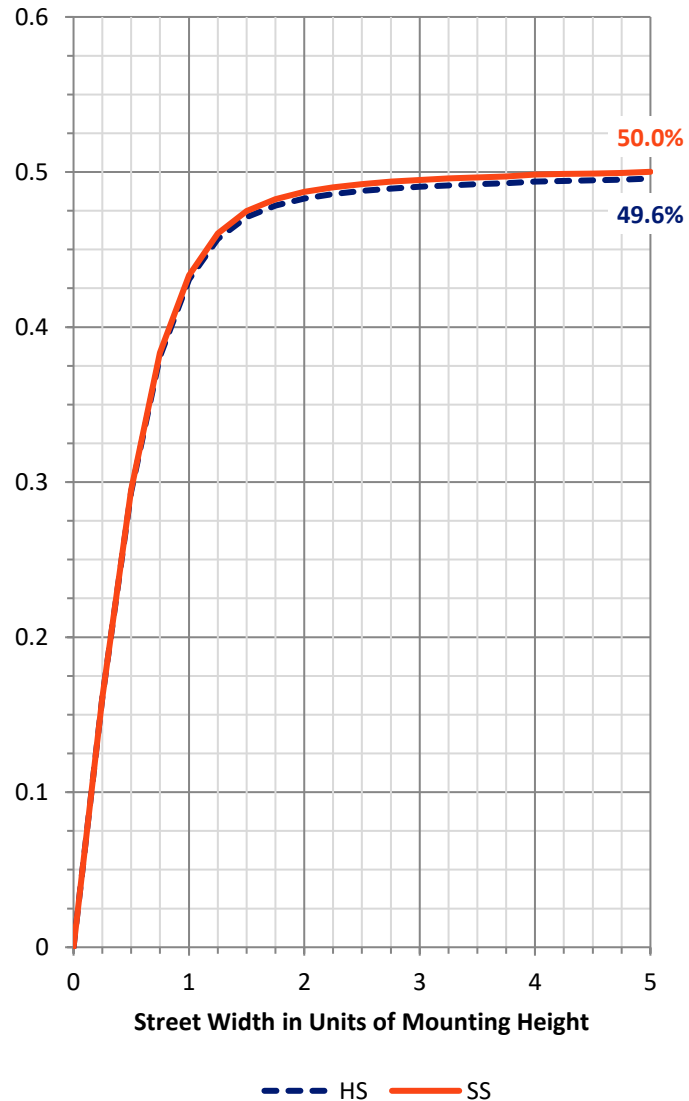
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1272.2   | 0.0    | 1272.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1272.2   | 0.0    | 1272.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2544.4   | 0.0    | 2544.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.7   | 1.9       |
| 10°-20°   | 150.1  | 5.9       |
| 20°-30°   | 243.2  | 9.6       |
| 30°-40°   | 302.9  | 11.9      |
| 40°-50°   | 377.1  | 14.8      |
| 50°-60°   | 462.7  | 18.2      |
| 60°-70°   | 570.7  | 22.4      |
| 70°-80°   | 354.8  | 13.9      |
| 80°-90°   | 35.2   | 1.4       |
| 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°    | 2544.4 | 100.0     |
| 0°-180°   | 2544.4 | 100.0     |

**Coefficient of Utilization**



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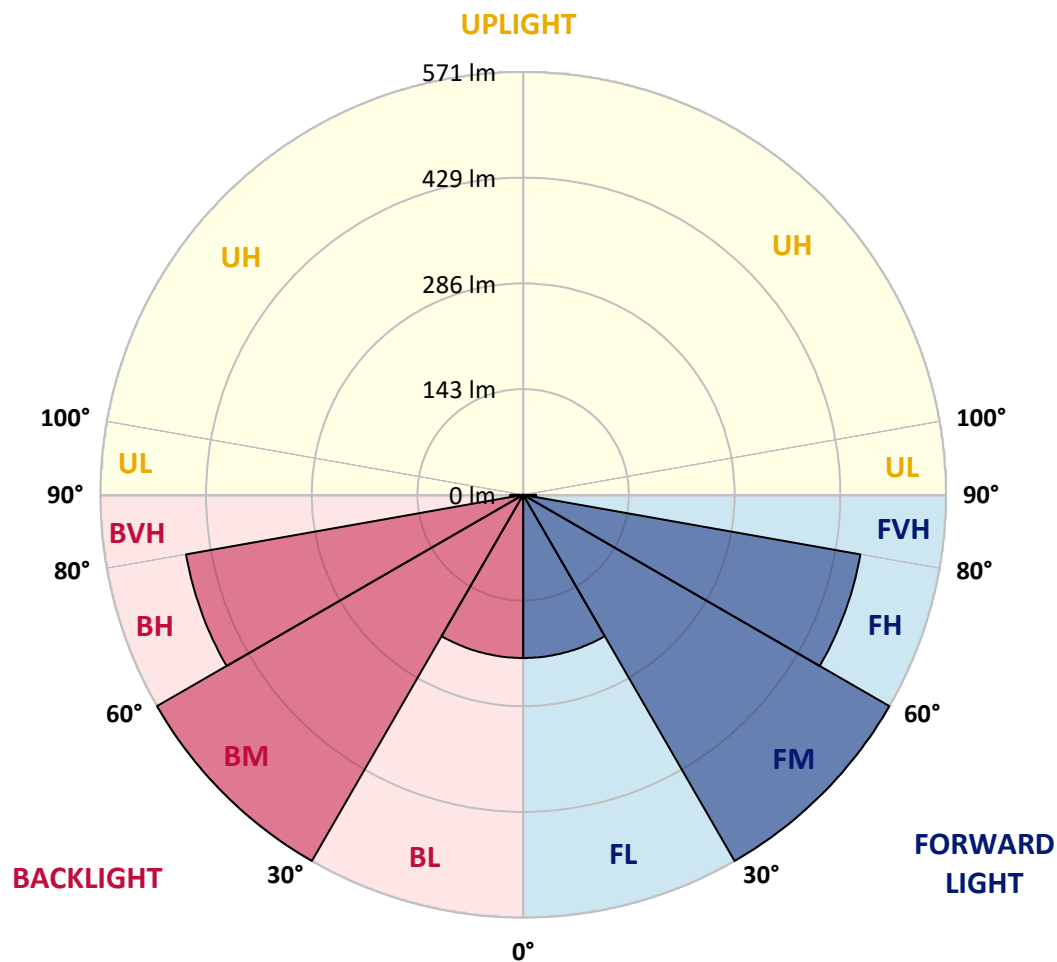
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 220.5  | 8.7       |                         |      |        |
| FM   | (30°-60°)   | 571.4  | 22.5      |                         |      |        |
| FH   | (60°-80°)   | 462.7  | 18.2      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 17.6   | 0.7       |                         |      | G1/100 |
| BL   | (0°-30°)    | 220.5  | 8.7       | B1/500                  |      |        |
| BM   | (30°-60°)   | 571.4  | 22.5      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 462.7  | 18.2      | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 17.6   | 0.7       |                         |      | 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 V Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 66°   | 67°   | 68°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 | 487.2  |
| 2.5°  | 488.5 | 488.0 | 489.0 | 489.8 | 489.6 | 489.7 | 489.4 | 488.9 | 488.9 | 489.0 | 489.0  |
| 5°    | 492.3 | 491.8 | 492.7 | 493.4 | 493.7 | 494.3 | 494.4 | 494.2 | 494.3 | 494.4 | 494.5  |
| 7.5°  | 496.9 | 496.4 | 497.6 | 498.6 | 500.6 | 501.6 | 502.6 | 503.6 | 503.7 | 503.8 | 503.8  |
| 10°   | 501.2 | 501.0 | 502.7 | 505.0 | 508.1 | 510.4 | 513.3 | 516.2 | 516.4 | 516.6 | 516.8  |
| 12.5° | 504.0 | 504.0 | 506.8 | 510.7 | 516.1 | 521.0 | 525.8 | 530.6 | 531.0 | 531.5 | 531.9  |
| 15°   | 503.8 | 504.2 | 508.3 | 515.6 | 525.0 | 533.5 | 539.5 | 544.7 | 545.1 | 545.5 | 546.0  |
| 17.5° | 500.4 | 500.4 | 506.4 | 518.0 | 532.6 | 545.2 | 553.0 | 555.8 | 556.0 | 556.2 | 556.3  |
| 20°   | 490.6 | 491.3 | 499.6 | 516.6 | 538.5 | 556.0 | 563.4 | 562.2 | 562.0 | 561.7 | 561.4  |
| 22.5° | 473.9 | 474.8 | 486.0 | 508.6 | 539.6 | 563.0 | 570.6 | 565.2 | 564.4 | 563.6 | 562.8  |
| 25°   | 450.8 | 452.2 | 464.3 | 493.2 | 532.1 | 565.0 | 575.2 | 566.7 | 565.4 | 564.2 | 562.9  |
| 27.5° | 423.8 | 424.6 | 438.8 | 469.2 | 514.8 | 558.2 | 577.4 | 569.7 | 568.1 | 566.5 | 564.9  |
| 30°   | 392.8 | 394.6 | 409.5 | 441.2 | 490.3 | 542.4 | 576.5 | 575.4 | 573.6 | 571.8 | 570.1  |
| 32.5° | 361.9 | 363.4 | 378.0 | 412.3 | 462.1 | 520.6 | 572.3 | 584.2 | 582.7 | 581.2 | 579.7  |
| 35°   | 330.7 | 332.5 | 347.6 | 384.4 | 434.0 | 495.6 | 565.6 | 596.6 | 596.0 | 595.3 | 594.7  |
| 37.5° | 303.4 | 304.5 | 319.4 | 357.6 | 409.5 | 472.8 | 556.9 | 613.3 | 614.8 | 616.2 | 617.6  |
| 40°   | 275.4 | 276.6 | 292.2 | 331.3 | 386.8 | 453.4 | 548.8 | 634.3 | 638.3 | 642.3 | 646.2  |
| 42.5° | 248.7 | 249.7 | 264.8 | 303.8 | 361.7 | 436.5 | 544.0 | 659.7 | 667.3 | 675.0 | 682.6  |
| 45°   | 221.2 | 221.9 | 236.0 | 274.0 | 333.0 | 416.8 | 542.7 | 688.2 | 699.3 | 710.3 | 721.3  |
| 47.5° | 194.2 | 195.8 | 210.4 | 246.4 | 300.2 | 388.8 | 540.8 | 719.8 | 734.5 | 749.1 | 763.7  |
| 50°   | 168.4 | 170.2 | 185.0 | 219.3 | 268.6 | 355.3 | 531.4 | 755.7 | 773.5 | 791.3 | 809.2  |
| 52.5° | 142.0 | 143.8 | 158.8 | 191.4 | 239.2 | 317.8 | 505.0 | 793.3 | 814.5 | 835.7 | 856.9  |
| 55°   | 114.0 | 114.6 | 130.0 | 162.8 | 209.8 | 286.2 | 462.8 | 827.8 | 853.4 | 879.1 | 904.8  |
| 57.5° | 82.8  | 85.1  | 100.3 | 130.8 | 179.8 | 258.4 | 409.3 | 845.4 | 877.4 | 909.4 | 941.5  |
| 60°   | 59.8  | 61.3  | 74.6  | 98.6  | 145.8 | 231.0 | 361.8 | 832.5 | 875.3 | 918.0 | 960.8  |
| 62.5° | 47.2  | 49.0  | 59.2  | 74.3  | 112.8 | 200.9 | 330.8 | 797.2 | 857.2 | 917.2 | 977.1  |
| 65°   | 41.8  | 43.3  | 52.8  | 60.4  | 86.2  | 170.0 | 311.3 | 762.2 | 843.2 | 924.1 | 1005.1 |
| 67.5° | 38.2  | 39.8  | 48.1  | 53.2  | 71.2  | 150.1 | 302.0 | 735.8 | 829.3 | 922.8 | 1016.3 |
| 69°   | 36.5  | 38.0  | 45.6  | 50.3  | 67.2  | 143.4 | 292.2 | 691.0 | 783.8 | 876.5 | 969.2  |
| 70°   | 35.6  | 36.8  | 43.8  | 48.6  | 65.6  | 137.8 | 277.5 | 637.8 | 727.3 | 816.8 | 906.2  |
| 72.5° | 33.0  | 33.8  | 39.7  | 44.0  | 60.0  | 110.0 | 209.4 | 450.0 | 525.9 | 601.7 | 677.5  |
| 75°   | 29.2  | 30.2  | 35.4  | 39.5  | 45.8  | 66.1  | 131.0 | 261.2 | 313.2 | 365.2 | 417.1  |
| 77.5° | 25.1  | 26.2  | 30.5  | 36.9  | 36.8  | 43.0  | 79.6  | 150.0 | 175.2 | 200.5 | 225.8  |
| 80°   | 21.5  | 22.5  | 26.4  | 36.5  | 30.8  | 34.0  | 59.3  | 111.9 | 122.1 | 132.2 | 142.4  |
| 82.5° | 16.8  | 17.7  | 22.1  | 30.2  | 24.7  | 25.9  | 45.2  | 101.9 | 108.8 | 115.7 | 122.6  |
| 85°   | 10.6  | 10.9  | 16.1  | 20.8  | 17.6  | 15.7  | 29.1  | 78.4  | 83.4  | 88.4  | 93.5   |
| 87.5° | 4.2   | 5.2   | 7.8   | 7.5   | 7.5   | 6.2   | 9.4   | 28.3  | 30.9  | 33.5  | 36.0   |
| 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):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  |
| 2.5°  | 489.1  | 489.1  | 489.0  | 488.7  | 489.0  | 488.6  | 488.8  | 489.0  | 488.9  | 489.0  | 488.8  |
| 5°    | 494.6  | 494.8  | 494.8  | 494.3  | 494.5  | 494.6  | 494.6  | 494.5  | 494.6  | 494.8  | 494.4  |
| 7.5°  | 503.9  | 504.0  | 504.2  | 504.6  | 504.4  | 504.4  | 504.6  | 504.4  | 504.2  | 504.8  | 504.4  |
| 10°   | 517.0  | 517.2  | 517.2  | 518.0  | 517.6  | 517.9  | 518.7  | 518.6  | 518.2  | 518.8  | 518.7  |
| 12.5° | 532.4  | 532.8  | 532.8  | 532.6  | 533.0  | 533.2  | 534.0  | 534.2  | 534.4  | 535.4  | 535.0  |
| 15°   | 546.4  | 546.8  | 547.1  | 547.3  | 547.9  | 548.0  | 548.6  | 549.0  | 549.2  | 549.5  | 549.7  |
| 17.5° | 556.4  | 556.6  | 557.1  | 556.8  | 557.7  | 557.6  | 558.2  | 558.4  | 558.7  | 559.1  | 559.4  |
| 20°   | 561.2  | 561.0  | 561.0  | 560.8  | 560.8  | 561.0  | 561.0  | 561.4  | 561.2  | 561.6  | 562.0  |
| 22.5° | 562.0  | 561.2  | 560.7  | 560.0  | 559.8  | 559.4  | 559.3  | 559.5  | 558.9  | 559.4  | 559.8  |
| 25°   | 561.6  | 560.3  | 559.4  | 558.4  | 557.5  | 556.6  | 556.1  | 556.0  | 555.5  | 555.6  | 556.0  |
| 27.5° | 563.3  | 561.7  | 560.4  | 558.6  | 557.5  | 556.3  | 555.2  | 554.3  | 553.5  | 553.3  | 553.3  |
| 30°   | 568.3  | 566.5  | 565.0  | 562.9  | 561.0  | 559.5  | 558.0  | 556.8  | 555.2  | 554.4  | 553.8  |
| 32.5° | 578.2  | 576.7  | 574.6  | 572.7  | 570.5  | 568.6  | 566.6  | 564.8  | 562.9  | 561.2  | 560.5  |
| 35°   | 594.0  | 593.4  | 592.2  | 590.9  | 588.8  | 586.4  | 584.8  | 582.5  | 580.4  | 578.0  | 577.2  |
| 37.5° | 619.1  | 620.6  | 619.9  | 619.0  | 618.4  | 617.6  | 615.3  | 613.9  | 612.4  | 610.4  | 610.0  |
| 40°   | 650.2  | 654.2  | 658.2  | 660.8  | 659.8  | 663.0  | 663.5  | 663.8  | 662.5  | 664.2  | 664.5  |
| 42.5° | 690.3  | 697.9  | 705.1  | 710.3  | 716.4  | 721.1  | 727.0  | 729.5  | 734.3  | 739.3  | 742.2  |
| 45°   | 732.4  | 743.4  | 753.7  | 764.5  | 775.0  | 786.7  | 798.0  | 805.9  | 817.5  | 826.2  | 831.6  |
| 47.5° | 778.3  | 793.0  | 805.4  | 821.4  | 836.8  | 850.4  | 870.2  | 886.0  | 900.2  | 913.6  | 927.8  |
| 50°   | 827.0  | 844.8  | 860.0  | 879.7  | 898.3  | 919.8  | 943.0  | 963.2  | 985.4  | 1006.8 | 1025.8 |
| 52.5° | 878.1  | 899.2  | 919.8  | 940.0  | 962.6  | 986.0  | 1011.1 | 1040.2 | 1066.8 | 1099.1 | 1122.2 |
| 55°   | 930.4  | 956.1  | 978.0  | 999.1  | 1023.1 | 1049.0 | 1078.8 | 1113.3 | 1147.1 | 1182.4 | 1217.5 |
| 57.5° | 973.6  | 1005.6 | 1029.6 | 1054.2 | 1080.0 | 1105.7 | 1142.7 | 1178.0 | 1220.8 | 1264.2 | 1308.1 |
| 60°   | 1003.5 | 1046.3 | 1075.4 | 1106.6 | 1136.4 | 1167.6 | 1207.5 | 1252.2 | 1305.8 | 1358.3 | 1417.9 |
| 62.5° | 1037.1 | 1097.1 | 1137.9 | 1179.5 | 1215.8 | 1253.2 | 1306.6 | 1358.1 | 1426.9 | 1487.4 | 1562.4 |
| 65°   | 1086.1 | 1167.0 | 1227.0 | 1283.0 | 1331.9 | 1382.9 | 1446.2 | 1510.4 | 1589.2 | 1672.8 | 1766.9 |
| 67.5° | 1109.8 | 1203.3 | 1281.8 | 1351.0 | 1413.4 | 1478.3 | 1543.6 | 1619.7 | 1708.4 | 1809.1 | 1912.5 |
| 69°   | 1061.9 | 1154.6 | 1244.8 | 1314.8 | 1380.5 | 1449.8 | 1519.8 | 1596.5 | 1683.9 | 1788.3 | 1897.9 |
| 70°   | 995.6  | 1085.1 | 1181.0 | 1251.2 | 1317.4 | 1389.4 | 1460.6 | 1538.1 | 1621.8 | 1729.3 | 1840.1 |
| 72.5° | 753.4  | 829.2  | 922.4  | 996.5  | 1066.2 | 1138.8 | 1212.2 | 1279.4 | 1364.2 | 1467.8 | 1569.8 |
| 75°   | 469.1  | 521.0  | 604.8  | 679.2  | 735.2  | 797.6  | 866.4  | 930.1  | 1015.2 | 1088.6 | 1186.8 |
| 77.5° | 251.0  | 276.2  | 325.1  | 378.5  | 409.6  | 440.0  | 484.8  | 519.4  | 555.2  | 597.7  | 638.3  |
| 80°   | 152.6  | 162.8  | 179.4  | 191.0  | 186.6  | 174.2  | 170.1  | 157.8  | 162.2  | 154.6  | 149.0  |
| 82.5° | 129.5  | 136.4  | 146.6  | 153.4  | 148.4  | 128.5  | 106.0  | 89.2   | 77.4   | 66.0   | 56.0   |
| 85°   | 98.5   | 103.5  | 108.8  | 111.9  | 111.6  | 101.8  | 80.8   | 62.6   | 48.8   | 37.8   | 31.4   |
| 87.5° | 38.6   | 41.2   | 45.0   | 44.4   | 46.4   | 46.7   | 36.5   | 28.2   | 20.1   | 13.6   | 11.9   |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  | 487.2  |
| 2.5°  | 488.4  | 488.4  | 488.4  | 488.6  | 488.7  | 488.8  | 488.7  | 488.8  | 488.5  | 488.3  | 488.4  |
| 5°    | 494.4  | 494.2  | 494.4  | 494.6  | 494.6  | 494.4  | 494.8  | 494.9  | 494.7  | 494.4  | 494.5  |
| 7.5°  | 504.8  | 504.8  | 504.6  | 505.4  | 504.7  | 504.8  | 505.2  | 505.2  | 505.0  | 505.1  | 505.2  |
| 10°   | 519.2  | 519.1  | 519.3  | 519.8  | 519.0  | 519.6  | 520.1  | 520.2  | 519.8  | 519.8  | 519.9  |
| 12.5° | 535.1  | 535.8  | 535.8  | 536.2  | 536.2  | 536.6  | 536.7  | 536.8  | 537.1  | 537.2  | 536.7  |
| 15°   | 550.4  | 550.8  | 551.2  | 551.6  | 551.1  | 551.7  | 552.4  | 552.4  | 552.3  | 552.6  | 552.1  |
| 17.5° | 559.8  | 560.2  | 560.8  | 560.6  | 560.8  | 561.2  | 561.7  | 561.8  | 562.0  | 562.0  | 562.1  |
| 20°   | 562.7  | 563.0  | 563.3  | 563.6  | 563.8  | 564.3  | 564.6  | 564.9  | 565.0  | 564.9  | 565.0  |
| 22.5° | 560.3  | 560.7  | 561.4  | 561.6  | 561.7  | 562.4  | 562.8  | 563.0  | 563.2  | 563.4  | 563.1  |
| 25°   | 556.2  | 556.6  | 557.3  | 557.6  | 557.7  | 558.4  | 558.8  | 559.4  | 559.6  | 559.7  | 559.7  |
| 27.5° | 553.4  | 553.7  | 554.2  | 554.5  | 554.6  | 555.4  | 556.0  | 556.4  | 556.4  | 556.5  | 556.5  |
| 30°   | 553.6  | 553.6  | 554.2  | 554.2  | 554.2  | 554.8  | 555.2  | 555.4  | 555.6  | 555.6  | 555.7  |
| 32.5° | 559.4  | 559.1  | 559.6  | 558.8  | 558.9  | 558.8  | 558.8  | 559.0  | 558.8  | 558.9  | 558.6  |
| 35°   | 576.0  | 575.0  | 574.2  | 574.6  | 573.4  | 571.7  | 572.7  | 572.2  | 571.3  | 571.4  | 571.6  |
| 37.5° | 607.6  | 606.7  | 607.5  | 606.8  | 607.0  | 604.7  | 605.2  | 603.1  | 602.5  | 603.3  | 601.1  |
| 40°   | 663.8  | 663.4  | 665.0  | 664.4  | 664.8  | 665.4  | 666.1  | 664.0  | 660.6  | 663.7  | 663.8  |
| 42.5° | 741.8  | 745.6  | 747.1  | 749.2  | 751.5  | 750.6  | 752.6  | 753.2  | 749.4  | 752.2  | 752.9  |
| 45°   | 839.5  | 843.6  | 848.4  | 849.8  | 853.5  | 854.0  | 855.6  | 856.0  | 852.6  | 852.9  | 853.7  |
| 47.5° | 942.0  | 949.4  | 955.0  | 958.9  | 962.8  | 963.6  | 964.4  | 962.8  | 963.0  | 963.8  | 963.8  |
| 50°   | 1042.6 | 1058.5 | 1068.4 | 1076.2 | 1082.8 | 1079.4 | 1082.3 | 1082.6 | 1083.6 | 1081.4 | 1082.7 |
| 52.5° | 1148.4 | 1169.5 | 1186.1 | 1199.1 | 1203.1 | 1215.4 | 1210.4 | 1214.3 | 1216.9 | 1213.1 | 1215.6 |
| 55°   | 1251.8 | 1281.8 | 1308.4 | 1327.2 | 1340.5 | 1353.1 | 1355.0 | 1365.0 | 1363.9 | 1367.7 | 1366.0 |
| 57.5° | 1350.0 | 1392.0 | 1430.2 | 1457.9 | 1477.0 | 1496.1 | 1509.1 | 1520.1 | 1521.2 | 1532.1 | 1525.9 |
| 60°   | 1468.8 | 1527.4 | 1576.4 | 1617.9 | 1646.0 | 1674.4 | 1696.8 | 1714.9 | 1719.0 | 1737.8 | 1731.6 |
| 62.5° | 1629.2 | 1700.6 | 1763.2 | 1812.0 | 1874.4 | 1904.4 | 1948.2 | 1975.5 | 1992.5 | 1997.2 | 2005.9 |
| 65°   | 1854.6 | 1947.6 | 2030.3 | 2108.2 | 2178.4 | 2227.2 | 2277.7 | 2318.4 | 2351.0 | 2348.2 | 2361.6 |
| 67.5° | 2022.0 | 2128.1 | 2227.6 | 2321.0 | 2396.6 | 2459.3 | 2517.4 | 2561.4 | 2590.5 | 2609.1 | 2617.0 |
| 69°   | 2004.6 | 2118.4 | 2228.2 | 2328.0 | 2406.0 | 2476.0 | 2532.6 | 2575.8 | 2609.2 | 2629.4 | 2635.3 |
| 70°   | 1946.6 | 2063.6 | 2178.0 | 2275.9 | 2355.4 | 2432.2 | 2489.9 | 2538.1 | 2569.9 | 2591.9 | 2595.3 |
| 72.5° | 1683.8 | 1810.4 | 1911.7 | 2018.5 | 2095.0 | 2172.9 | 2209.1 | 2268.8 | 2310.2 | 2323.6 | 2323.4 |
| 75°   | 1270.0 | 1375.6 | 1464.6 | 1543.5 | 1612.0 | 1664.8 | 1681.8 | 1724.4 | 1758.8 | 1758.4 | 1755.1 |
| 77.5° | 683.8  | 708.8  | 742.0  | 753.2  | 774.3  | 774.0  | 752.8  | 759.5  | 778.9  | 741.2  | 753.4  |
| 80°   | 146.8  | 144.5  | 142.6  | 141.6  | 141.0  | 141.2  | 142.0  | 137.2  | 141.9  | 139.8  | 130.8  |
| 82.5° | 51.1   | 49.9   | 48.7   | 49.6   | 48.9   | 49.4   | 49.3   | 49.9   | 49.8   | 49.6   | 48.5   |
| 85°   | 28.8   | 27.7   | 27.1   | 27.6   | 26.6   | 25.8   | 25.2   | 24.9   | 24.8   | 24.2   | 23.9   |
| 87.5° | 11.0   | 10.9   | 10.8   | 10.4   | 9.3    | 8.6    | 8.0    | 7.0    | 6.6    | 6.0    | 5.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)