

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: P159527

Luminaire Tested: **VST-F02-LED-E-U-T3-7060**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P159527  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33706)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-F02-LED-E-U-T3-7060  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5181.3 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - 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: 28.75 FT



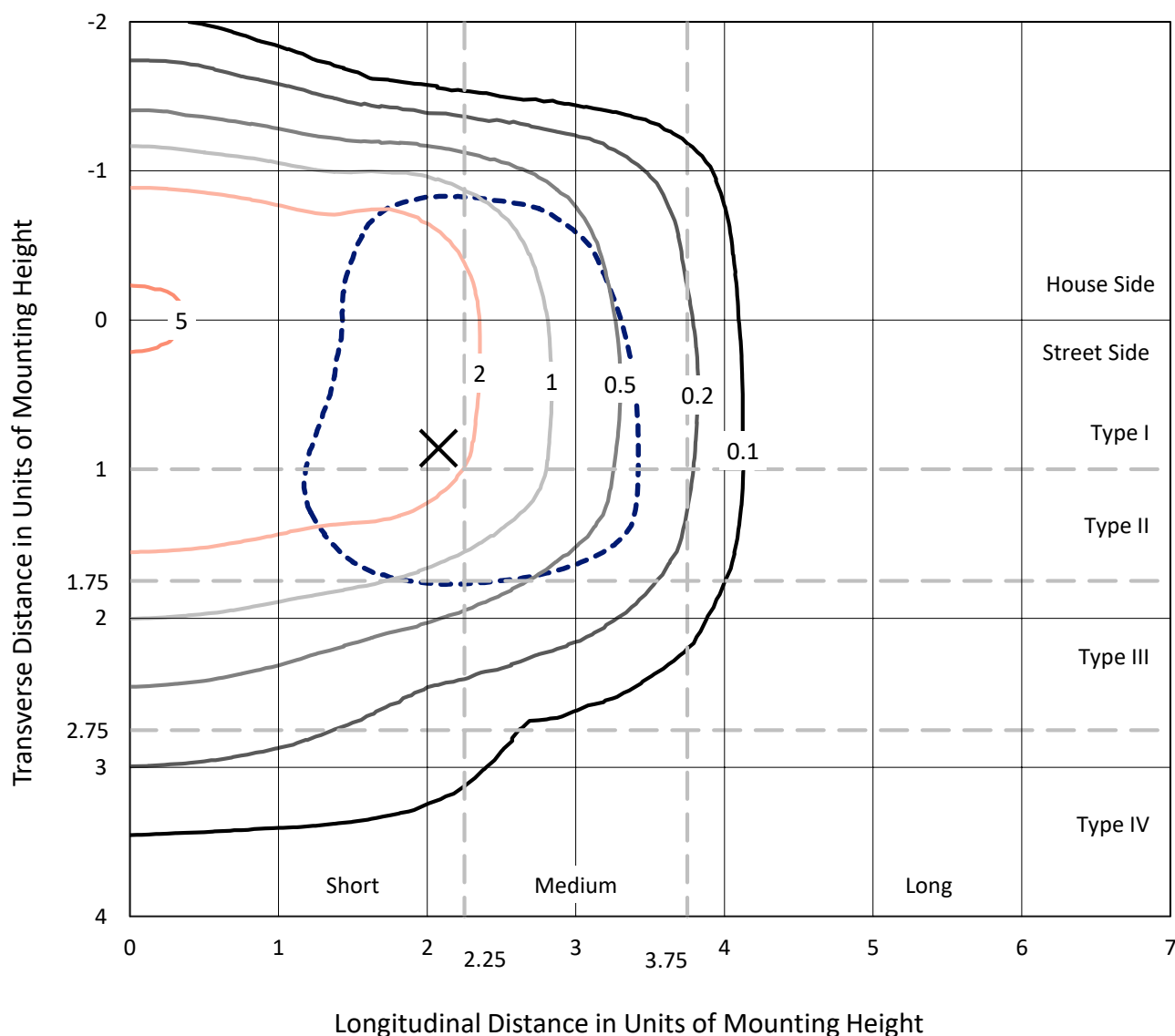
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

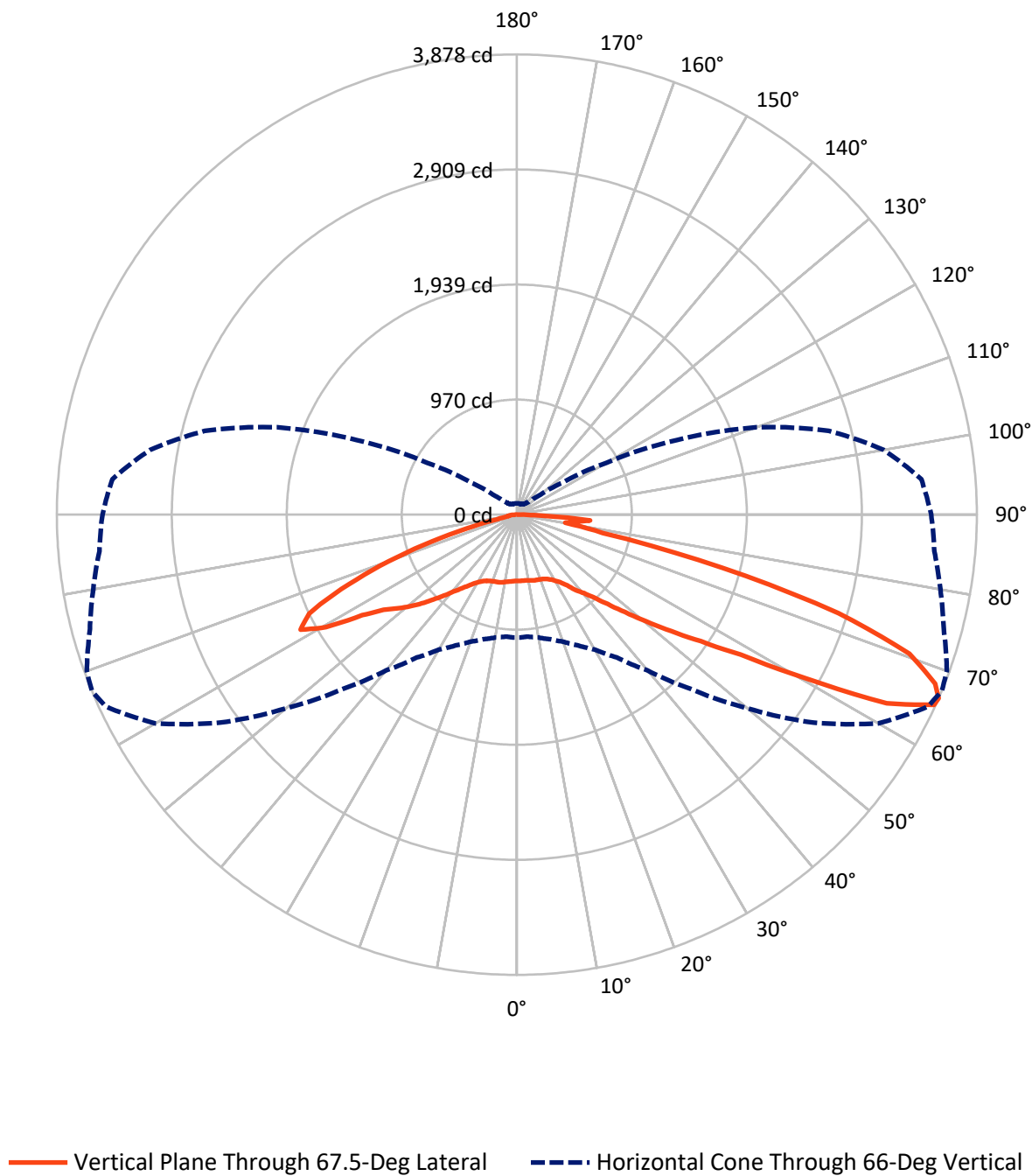


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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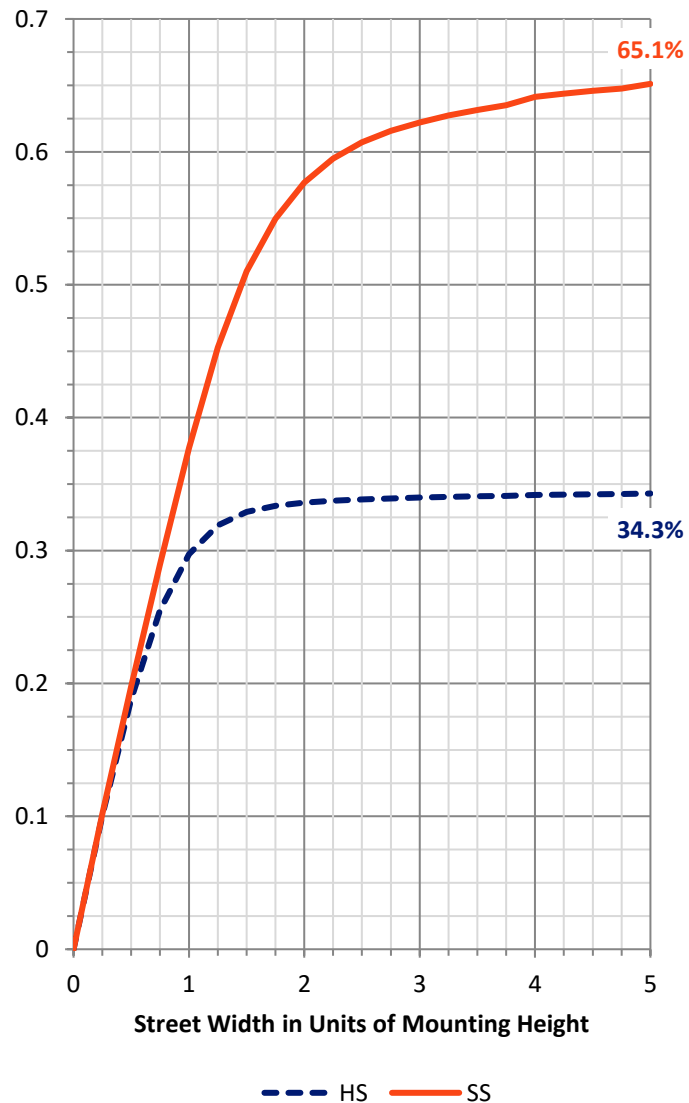
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1793.0   | 0.0    | 1793.0 |
|                    | % Fixture | 34.6     | 0.0    | 34.6   |
| <b>Street Side</b> | Lumens    | 3388.4   | 0.0    | 3388.4 |
|                    | % Fixture | 65.4     | 0.0    | 65.4   |
| <b>Total</b>       | Lumens    | 5181.3   | 0.0    | 5181.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.7   | 1.0       |
| 10°-20°   | 158.9  | 3.1       |
| 20°-30°   | 273.1  | 5.3       |
| 30°-40°   | 441.3  | 8.5       |
| 40°-50°   | 731.4  | 14.1      |
| 50°-60°   | 1147.9 | 22.2      |
| 60°-70°   | 1569.4 | 30.3      |
| 70°-80°   | 690.2  | 13.3      |
| 80°-90°   | 115.5  | 2.2       |
| 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°    | 5181.3 | 100.0     |
| 0°-180°   | 5181.3 | 100.0     |

**Coefficient of Utilization**



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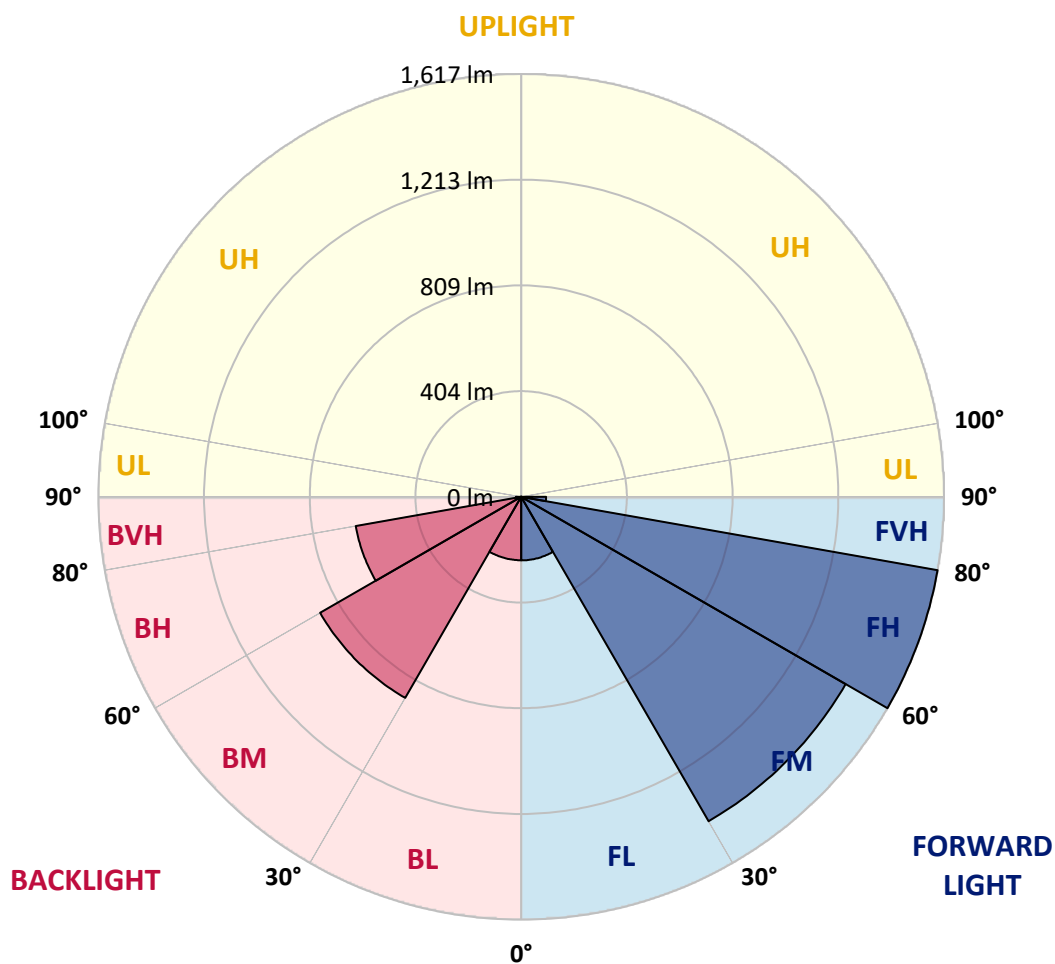
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 243.0  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1432.8 | 27.7      |                         |      |         |
| FH   | (60°-80°)   | 1617.2 | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 95.3   | 1.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 242.5  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 887.9  | 17.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 642.3  | 12.4      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.2   | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  |
| 2.5°  | 558.1  | 558.1  | 558.4  | 558.1  | 558.1  | 557.7  | 559.1  | 559.1  | 559.1  | 558.7  | 559.7  |
| 5°    | 556.7  | 556.7  | 557.0  | 557.0  | 557.4  | 557.0  | 558.1  | 558.4  | 558.4  | 558.4  | 559.4  |
| 7.5°  | 553.3  | 554.3  | 553.6  | 554.0  | 554.3  | 555.4  | 556.7  | 557.4  | 558.1  | 559.1  | 559.4  |
| 10°   | 546.2  | 547.9  | 547.6  | 548.6  | 548.9  | 551.9  | 553.0  | 554.3  | 556.7  | 558.1  | 559.1  |
| 12.5° | 536.3  | 537.4  | 537.7  | 539.1  | 540.4  | 544.1  | 546.9  | 549.2  | 552.7  | 556.0  | 559.4  |
| 15°   | 528.6  | 529.3  | 529.3  | 530.6  | 532.6  | 536.0  | 539.4  | 543.5  | 548.6  | 554.3  | 559.7  |
| 17.5° | 530.9  | 532.6  | 531.3  | 530.9  | 531.6  | 533.6  | 536.7  | 540.1  | 546.2  | 552.7  | 559.1  |
| 20°   | 546.5  | 546.9  | 546.2  | 544.5  | 543.1  | 543.5  | 543.5  | 544.1  | 547.9  | 553.0  | 558.1  |
| 22.5° | 559.4  | 560.8  | 560.4  | 560.8  | 560.4  | 561.8  | 561.1  | 559.7  | 558.4  | 558.7  | 561.1  |
| 25°   | 570.6  | 571.9  | 571.9  | 572.9  | 574.7  | 577.4  | 579.4  | 579.1  | 577.0  | 574.3  | 573.3  |
| 27.5° | 588.9  | 588.9  | 588.9  | 589.9  | 592.3  | 595.7  | 599.0  | 601.1  | 602.8  | 600.1  | 594.3  |
| 30°   | 617.7  | 618.0  | 617.0  | 617.3  | 619.0  | 623.5  | 627.5  | 630.5  | 634.0  | 633.6  | 626.2  |
| 32.5° | 649.2  | 650.6  | 650.2  | 651.6  | 653.9  | 658.0  | 662.4  | 667.1  | 671.6  | 674.3  | 669.5  |
| 35°   | 689.9  | 691.2  | 691.6  | 693.6  | 696.3  | 702.4  | 708.5  | 714.6  | 719.3  | 721.4  | 720.4  |
| 37.5° | 756.6  | 757.0  | 755.6  | 752.5  | 753.5  | 758.3  | 765.4  | 775.3  | 778.3  | 780.3  | 785.0  |
| 40°   | 856.6  | 855.5  | 850.1  | 847.4  | 845.7  | 847.7  | 846.4  | 854.2  | 861.3  | 861.7  | 861.3  |
| 42.5° | 977.9  | 974.8  | 969.7  | 969.1  | 968.4  | 967.7  | 964.0  | 964.3  | 970.7  | 972.4  | 970.4  |
| 45°   | 1098.5 | 1094.8 | 1091.0 | 1094.4 | 1090.4 | 1100.9 | 1103.9 | 1112.0 | 1113.1 | 1116.4 | 1111.4 |
| 47.5° | 1197.4 | 1197.8 | 1197.8 | 1202.5 | 1210.6 | 1230.7 | 1248.6 | 1264.2 | 1270.0 | 1278.1 | 1279.1 |
| 50°   | 1272.3 | 1274.3 | 1280.8 | 1296.0 | 1313.3 | 1346.9 | 1377.0 | 1405.1 | 1430.5 | 1440.0 | 1465.1 |
| 52.5° | 1316.0 | 1321.4 | 1335.0 | 1360.4 | 1391.2 | 1434.6 | 1482.1 | 1529.8 | 1573.9 | 1611.1 | 1640.9 |
| 55°   | 1308.2 | 1312.3 | 1336.0 | 1375.7 | 1423.7 | 1482.1 | 1548.5 | 1617.6 | 1686.4 | 1749.4 | 1798.2 |
| 57.5° | 1258.1 | 1260.8 | 1284.5 | 1329.2 | 1389.2 | 1467.5 | 1561.3 | 1664.0 | 1760.6 | 1862.2 | 1945.6 |
| 60°   | 1192.3 | 1196.4 | 1218.4 | 1253.7 | 1316.3 | 1399.7 | 1508.5 | 1647.7 | 1801.9 | 1961.8 | 2117.7 |
| 62.5° | 1150.3 | 1149.3 | 1168.6 | 1200.1 | 1247.2 | 1322.8 | 1427.5 | 1592.5 | 1805.9 | 2076.4 | 2384.3 |
| 65°   | 1080.5 | 1077.5 | 1097.5 | 1133.4 | 1184.6 | 1257.7 | 1357.0 | 1515.6 | 1763.3 | 2119.7 | 2556.5 |
| 66°   | 1037.2 | 1031.0 | 1051.1 | 1087.3 | 1138.4 | 1216.4 | 1311.6 | 1468.1 | 1711.4 | 2077.4 | 2538.2 |
| 67.5° | 961.3  | 958.2  | 967.7  | 996.2  | 1034.1 | 1107.3 | 1206.6 | 1364.2 | 1588.8 | 1949.9 | 2404.0 |
| 70°   | 781.3  | 774.5  | 782.0  | 794.9  | 809.5  | 827.4  | 888.4  | 1013.5 | 1203.5 | 1553.5 | 1936.7 |
| 72.5° | 532.3  | 528.9  | 542.8  | 562.4  | 601.4  | 619.7  | 643.8  | 664.1  | 731.2  | 979.2  | 1350.9 |
| 75°   | 404.9  | 406.9  | 424.6  | 457.1  | 507.2  | 561.4  | 614.3  | 633.6  | 611.2  | 592.0  | 766.8  |
| 77.5° | 227.0  | 238.9  | 260.2  | 301.6  | 354.8  | 431.3  | 523.5  | 625.1  | 676.0  | 663.4  | 620.4  |
| 80°   | 93.5   | 91.8   | 102.3  | 125.0  | 143.3  | 206.0  | 315.1  | 442.5  | 585.5  | 676.0  | 661.7  |
| 82.5° | 26.1   | 26.8   | 34.6   | 44.4   | 57.2   | 72.8   | 113.8  | 182.9  | 298.2  | 463.9  | 607.2  |
| 85°   | 8.2    | 8.2    | 11.2   | 16.6   | 19.7   | 22.7   | 28.8   | 47.5   | 81.0   | 161.6  | 327.7  |
| 87.5° | 1.7    | 1.7    | 2.4    | 4.7    | 5.1    | 5.1    | 6.4    | 8.8    | 7.8    | 7.1    | 31.9   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  | 559.1  |
| 2.5°  | 558.7  | 558.1  | 558.4  | 558.7  | 558.4  | 558.4  | 558.1  | 557.7  | 558.1  | 558.1  | 559.1  |
| 5°    | 558.4  | 558.1  | 558.4  | 558.4  | 558.4  | 558.7  | 558.7  | 558.7  | 559.7  | 559.7  | 561.4  |
| 7.5°  | 559.1  | 559.1  | 559.7  | 559.7  | 559.7  | 559.7  | 560.1  | 560.8  | 562.4  | 562.1  | 565.1  |
| 10°   | 560.4  | 561.1  | 562.8  | 563.2  | 563.2  | 564.2  | 564.8  | 566.2  | 567.9  | 568.6  | 571.3  |
| 12.5° | 562.1  | 565.5  | 568.6  | 569.2  | 570.2  | 571.9  | 572.9  | 573.7  | 576.7  | 577.7  | 581.1  |
| 15°   | 564.2  | 568.9  | 572.6  | 574.0  | 575.3  | 577.4  | 578.7  | 579.7  | 582.4  | 583.8  | 587.9  |
| 17.5° | 564.5  | 569.9  | 574.3  | 576.4  | 578.0  | 580.4  | 582.4  | 584.5  | 587.5  | 589.6  | 593.6  |
| 20°   | 564.2  | 571.3  | 578.0  | 580.7  | 582.4  | 586.9  | 589.9  | 592.6  | 596.3  | 598.4  | 602.5  |
| 22.5° | 567.9  | 576.0  | 585.2  | 588.5  | 591.2  | 597.4  | 601.4  | 605.8  | 610.6  | 611.9  | 615.0  |
| 25°   | 576.7  | 585.2  | 596.7  | 601.4  | 606.2  | 614.3  | 620.0  | 626.5  | 631.3  | 631.9  | 632.9  |
| 27.5° | 591.6  | 599.4  | 613.3  | 620.4  | 628.2  | 639.7  | 648.2  | 654.6  | 661.4  | 661.4  | 660.7  |
| 30°   | 621.8  | 623.5  | 638.0  | 647.2  | 658.7  | 675.6  | 688.1  | 695.3  | 700.4  | 700.4  | 694.6  |
| 32.5° | 660.7  | 658.7  | 671.9  | 681.7  | 697.7  | 721.4  | 738.3  | 743.8  | 749.2  | 747.5  | 737.6  |
| 35°   | 716.9  | 711.2  | 718.7  | 733.6  | 751.5  | 784.1  | 801.7  | 813.9  | 817.3  | 812.5  | 796.9  |
| 37.5° | 787.8  | 787.1  | 790.8  | 807.4  | 827.4  | 869.5  | 887.4  | 895.2  | 892.5  | 884.0  | 856.6  |
| 40°   | 862.7  | 860.6  | 858.2  | 869.5  | 891.8  | 942.3  | 974.2  | 978.2  | 974.5  | 961.9  | 927.4  |
| 42.5° | 962.6  | 962.6  | 951.4  | 954.5  | 973.1  | 1029.7 | 1067.3 | 1080.2 | 1080.5 | 1062.2 | 1016.2 |
| 45°   | 1100.2 | 1098.8 | 1079.2 | 1074.4 | 1088.6 | 1144.2 | 1192.7 | 1199.8 | 1199.8 | 1175.8 | 1125.2 |
| 47.5° | 1265.5 | 1263.8 | 1244.5 | 1227.9 | 1230.7 | 1290.6 | 1330.9 | 1341.8 | 1332.3 | 1314.3 | 1254.4 |
| 50°   | 1451.9 | 1448.8 | 1429.2 | 1413.6 | 1406.8 | 1467.5 | 1501.7 | 1506.8 | 1492.9 | 1471.6 | 1406.5 |
| 52.5° | 1640.9 | 1650.1 | 1638.6 | 1630.1 | 1632.5 | 1671.8 | 1707.0 | 1682.9 | 1675.9 | 1652.8 | 1587.4 |
| 55°   | 1837.8 | 1865.9 | 1891.4 | 1883.9 | 1892.7 | 1931.0 | 1937.8 | 1905.9 | 1893.1 | 1876.4 | 1803.6 |
| 57.5° | 2036.0 | 2118.0 | 2201.4 | 2224.7 | 2246.5 | 2301.4 | 2293.6 | 2241.4 | 2251.2 | 2275.9 | 2193.9 |
| 60°   | 2312.9 | 2549.7 | 2761.1 | 2800.1 | 2867.5 | 2914.3 | 2924.8 | 2914.6 | 2960.3 | 2947.5 | 2875.0 |
| 62.5° | 2738.1 | 3132.8 | 3426.9 | 3500.1 | 3567.9 | 3565.5 | 3529.9 | 3493.3 | 3538.4 | 3538.4 | 3349.0 |
| 65°   | 3041.7 | 3489.6 | 3804.4 | 3865.0 | 3862.3 | 3780.7 | 3696.7 | 3623.5 | 3617.0 | 3566.9 | 3290.0 |
| 66°   | 3055.9 | 3517.1 | 3825.4 | 3878.3 | 3857.9 | 3726.5 | 3625.8 | 3533.0 | 3493.3 | 3423.5 | 3139.9 |
| 67.5° | 2927.8 | 3439.4 | 3757.0 | 3803.0 | 3749.5 | 3561.1 | 3422.5 | 3298.2 | 3240.6 | 3123.0 | 2856.0 |
| 70°   | 2401.6 | 2956.0 | 3417.8 | 3512.0 | 3451.3 | 3212.8 | 3023.0 | 2855.0 | 2744.9 | 2575.1 | 2382.7 |
| 72.5° | 1753.1 | 2182.4 | 2682.5 | 2835.7 | 2826.2 | 2606.6 | 2453.8 | 2300.0 | 2155.3 | 2000.8 | 1860.2 |
| 75°   | 1139.5 | 1419.7 | 1698.5 | 1788.0 | 1745.0 | 1617.9 | 1508.5 | 1418.7 | 1281.5 | 1174.0 | 1148.0 |
| 77.5° | 650.6  | 794.9  | 751.9  | 740.7  | 686.8  | 554.3  | 368.6  | 258.5  | 233.5  | 291.4  | 319.5  |
| 80°   | 619.0  | 561.1  | 459.5  | 414.4  | 380.8  | 259.6  | 136.2  | 95.9   | 84.0   | 86.0   | 92.5   |
| 82.5° | 698.0  | 727.4  | 595.0  | 497.0  | 432.7  | 315.8  | 172.4  | 80.3   | 58.6   | 69.5   | 77.9   |
| 85°   | 523.1  | 736.6  | 730.2  | 618.7  | 507.5  | 363.9  | 204.0  | 61.3   | 35.2   | 48.8   | 63.7   |
| 87.5° | 106.1  | 174.5  | 168.1  | 147.7  | 125.7  | 87.8   | 34.2   | 19.3   | 17.6   | 24.1   | 36.6   |
| 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°    | 559.1  | 559.1  | 559.1  | 559.1  | 559.1 | 559.1 | 559.1 | 559.1 | 559.1 | 559.1 | 559.1 |
| 2.5°  | 559.7  | 559.7  | 560.4  | 561.4  | 561.8 | 561.8 | 562.4 | 561.8 | 563.2 | 563.5 | 563.8 |
| 5°    | 562.8  | 563.8  | 564.5  | 566.2  | 567.2 | 567.9 | 568.9 | 568.2 | 569.6 | 569.9 | 570.6 |
| 7.5°  | 566.2  | 567.9  | 569.2  | 569.9  | 571.3 | 571.3 | 571.6 | 570.9 | 570.6 | 569.6 | 569.2 |
| 10°   | 572.3  | 573.3  | 575.0  | 574.3  | 573.7 | 571.3 | 569.2 | 566.2 | 564.5 | 561.4 | 559.7 |
| 12.5° | 582.1  | 582.8  | 582.8  | 579.7  | 575.3 | 569.9 | 564.8 | 559.7 | 555.7 | 552.3 | 550.3 |
| 15°   | 588.9  | 590.2  | 588.5  | 584.2  | 577.7 | 570.2 | 563.5 | 556.7 | 551.3 | 546.9 | 544.1 |
| 17.5° | 593.9  | 593.6  | 590.6  | 584.5  | 578.4 | 571.9 | 565.9 | 558.7 | 551.9 | 545.5 | 541.4 |
| 20°   | 601.7  | 598.4  | 593.0  | 586.5  | 580.1 | 574.7 | 569.9 | 563.2 | 556.0 | 547.2 | 541.1 |
| 22.5° | 612.2  | 606.2  | 598.4  | 591.6  | 585.5 | 580.4 | 575.0 | 569.2 | 561.8 | 551.9 | 543.5 |
| 25°   | 627.2  | 616.7  | 607.9  | 601.1  | 595.7 | 589.9 | 583.8 | 576.4 | 568.9 | 558.7 | 548.6 |
| 27.5° | 649.9  | 634.3  | 623.1  | 617.0  | 611.9 | 604.1 | 596.3 | 587.5 | 578.0 | 567.5 | 556.0 |
| 30°   | 677.3  | 658.7  | 645.8  | 640.4  | 634.3 | 625.5 | 617.0 | 604.8 | 591.6 | 579.1 | 564.8 |
| 32.5° | 709.5  | 690.5  | 677.6  | 673.6  | 663.8 | 653.6 | 641.8 | 625.5 | 608.2 | 589.6 | 572.6 |
| 35°   | 758.3  | 734.2  | 722.4  | 712.9  | 699.4 | 687.1 | 667.1 | 645.8 | 621.1 | 596.3 | 575.3 |
| 37.5° | 808.4  | 784.1  | 771.8  | 758.6  | 741.0 | 718.7 | 691.9 | 661.4 | 628.6 | 598.0 | 572.3 |
| 40°   | 875.5  | 849.1  | 833.5  | 813.2  | 784.7 | 749.8 | 710.2 | 668.5 | 628.6 | 590.6 | 559.4 |
| 42.5° | 953.8  | 929.4  | 905.3  | 871.8  | 826.1 | 775.3 | 719.7 | 666.1 | 617.7 | 574.0 | 541.1 |
| 45°   | 1062.2 | 1020.5 | 982.3  | 928.4  | 861.7 | 790.1 | 720.7 | 655.0 | 599.0 | 550.6 | 514.0 |
| 47.5° | 1184.2 | 1130.3 | 1062.6 | 978.2  | 887.0 | 795.9 | 710.9 | 634.0 | 569.6 | 517.1 | 477.1 |
| 50°   | 1324.8 | 1242.2 | 1138.1 | 1017.8 | 899.9 | 788.1 | 687.5 | 598.7 | 528.9 | 468.6 | 425.9 |
| 52.5° | 1485.8 | 1359.7 | 1206.6 | 1046.0 | 897.9 | 764.4 | 648.8 | 552.3 | 474.4 | 410.3 | 368.3 |
| 55°   | 1664.3 | 1487.8 | 1271.9 | 1063.9 | 879.6 | 718.3 | 588.2 | 486.9 | 406.6 | 343.6 | 306.7 |
| 57.5° | 1979.1 | 1712.5 | 1396.7 | 1088.0 | 841.3 | 648.5 | 511.3 | 404.2 | 331.7 | 278.2 | 242.9 |
| 60°   | 2563.9 | 2105.2 | 1632.8 | 1144.6 | 783.7 | 561.1 | 414.4 | 317.2 | 256.5 | 217.5 | 191.5 |
| 62.5° | 2925.8 | 2381.6 | 1748.0 | 1136.5 | 690.2 | 441.5 | 307.7 | 235.1 | 187.4 | 161.6 | 145.4 |
| 65°   | 2840.1 | 2273.2 | 1607.4 | 976.1  | 537.1 | 313.1 | 203.6 | 153.8 | 128.8 | 115.6 | 107.8 |
| 66°   | 2723.5 | 2151.9 | 1488.5 | 874.2  | 467.9 | 261.6 | 168.1 | 129.1 | 110.8 | 101.0 | 96.9  |
| 67.5° | 2479.2 | 1930.3 | 1283.8 | 700.0  | 350.7 | 194.8 | 124.0 | 101.3 | 90.1  | 85.0  | 82.3  |
| 70°   | 2075.0 | 1555.3 | 908.0  | 413.4  | 190.1 | 105.7 | 79.3  | 70.5  | 67.7  | 66.1  | 65.0  |
| 72.5° | 1604.3 | 1126.0 | 530.6  | 203.3  | 95.9  | 68.5  | 60.3  | 56.6  | 55.6  | 55.6  | 55.9  |
| 75°   | 1010.8 | 647.2  | 237.5  | 97.9   | 65.0  | 55.2  | 51.5  | 49.8  | 50.2  | 50.5  | 50.2  |
| 77.5° | 335.8  | 223.3  | 98.9   | 69.5   | 56.6  | 50.2  | 47.1  | 46.4  | 47.1  | 47.5  | 47.5  |
| 80°   | 96.5   | 84.4   | 71.5   | 61.3   | 51.8  | 46.7  | 44.0  | 43.7  | 45.4  | 45.7  | 45.1  |
| 82.5° | 74.2   | 69.5   | 64.7   | 59.3   | 49.8  | 44.0  | 43.0  | 43.4  | 44.4  | 43.7  | 40.7  |
| 85°   | 68.1   | 67.4   | 48.5   | 48.1   | 43.4  | 42.0  | 41.0  | 41.3  | 40.3  | 36.6  | 33.2  |
| 87.5° | 38.3   | 35.6   | 27.4   | 27.8   | 32.2  | 33.2  | 27.4  | 29.2  | 27.1  | 23.7  | 21.7  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 559.1 | 559.1 | 559.1 | 559.1 | 559.1 |
| 2.5°  | 564.5 | 564.2 | 564.2 | 565.1 | 563.8 |
| 5°    | 570.9 | 570.6 | 570.6 | 571.6 | 570.6 |
| 7.5°  | 567.9 | 566.9 | 566.2 | 565.9 | 565.9 |
| 10°   | 557.7 | 556.7 | 554.6 | 554.0 | 553.3 |
| 12.5° | 547.2 | 546.2 | 543.8 | 543.8 | 543.1 |
| 15°   | 540.8 | 539.4 | 537.7 | 536.7 | 536.0 |
| 17.5° | 537.4 | 535.4 | 533.3 | 532.3 | 531.6 |
| 20°   | 536.0 | 533.3 | 530.9 | 529.3 | 529.3 |
| 22.5° | 536.3 | 533.0 | 530.3 | 528.2 | 527.6 |
| 25°   | 539.8 | 534.7 | 531.3 | 529.3 | 528.6 |
| 27.5° | 544.5 | 538.4 | 534.0 | 531.3 | 530.3 |
| 30°   | 550.9 | 542.5 | 536.3 | 533.0 | 531.6 |
| 32.5° | 555.4 | 543.5 | 535.7 | 530.9 | 529.3 |
| 35°   | 555.0 | 539.8 | 530.3 | 524.2 | 522.1 |
| 37.5° | 548.9 | 530.9 | 518.4 | 511.0 | 507.5 |
| 40°   | 535.4 | 514.7 | 501.5 | 494.3 | 490.3 |
| 42.5° | 515.7 | 493.3 | 481.5 | 473.7 | 469.3 |
| 45°   | 484.9 | 462.8 | 448.3 | 442.2 | 436.4 |
| 47.5° | 442.2 | 419.8 | 407.3 | 398.5 | 394.7 |
| 50°   | 392.0 | 369.7 | 356.5 | 349.3 | 346.0 |
| 52.5° | 337.1 | 315.8 | 306.3 | 299.5 | 294.8 |
| 55°   | 280.2 | 260.6 | 256.5 | 249.1 | 244.6 |
| 57.5° | 226.7 | 215.2 | 211.4 | 204.0 | 200.2 |
| 60°   | 177.2 | 173.5 | 169.4 | 164.7 | 162.7 |
| 62.5° | 137.2 | 133.9 | 132.8 | 129.8 | 129.4 |
| 65°   | 104.7 | 105.1 | 104.3 | 103.7 | 103.0 |
| 66°   | 95.2  | 94.9  | 95.2  | 94.6  | 94.2  |
| 67.5° | 81.0  | 82.3  | 83.3  | 83.0  | 83.0  |
| 70°   | 65.8  | 66.7  | 68.1  | 67.7  | 67.7  |
| 72.5° | 56.2  | 58.0  | 58.6  | 58.3  | 58.3  |
| 75°   | 50.8  | 52.5  | 52.5  | 51.8  | 51.5  |
| 77.5° | 47.5  | 48.1  | 47.5  | 46.7  | 46.1  |
| 80°   | 44.0  | 43.4  | 42.4  | 41.3  | 40.7  |
| 82.5° | 38.3  | 36.6  | 35.6  | 33.9  | 33.9  |
| 85°   | 30.8  | 29.5  | 27.1  | 25.4  | 23.7  |
| 87.5° | 20.0  | 19.3  | 17.6  | 13.2  | 10.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)