

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: P853310

Luminaire Tested: **CRTK-N-20-750-U-T2R**

Issue Date: 7/11/2024

### Test Information

Test Method: LM-79-08  
Report Number: P853310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-20-750-U-T2R  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3594.1 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 23.2  
Input Voltage (V): 120.0  
Input Current (Ain): 0.196  
Voltage Rise (V): NR  
Power Factor: 0.9875  
Total Harmonic Distortion (THDi): 10%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



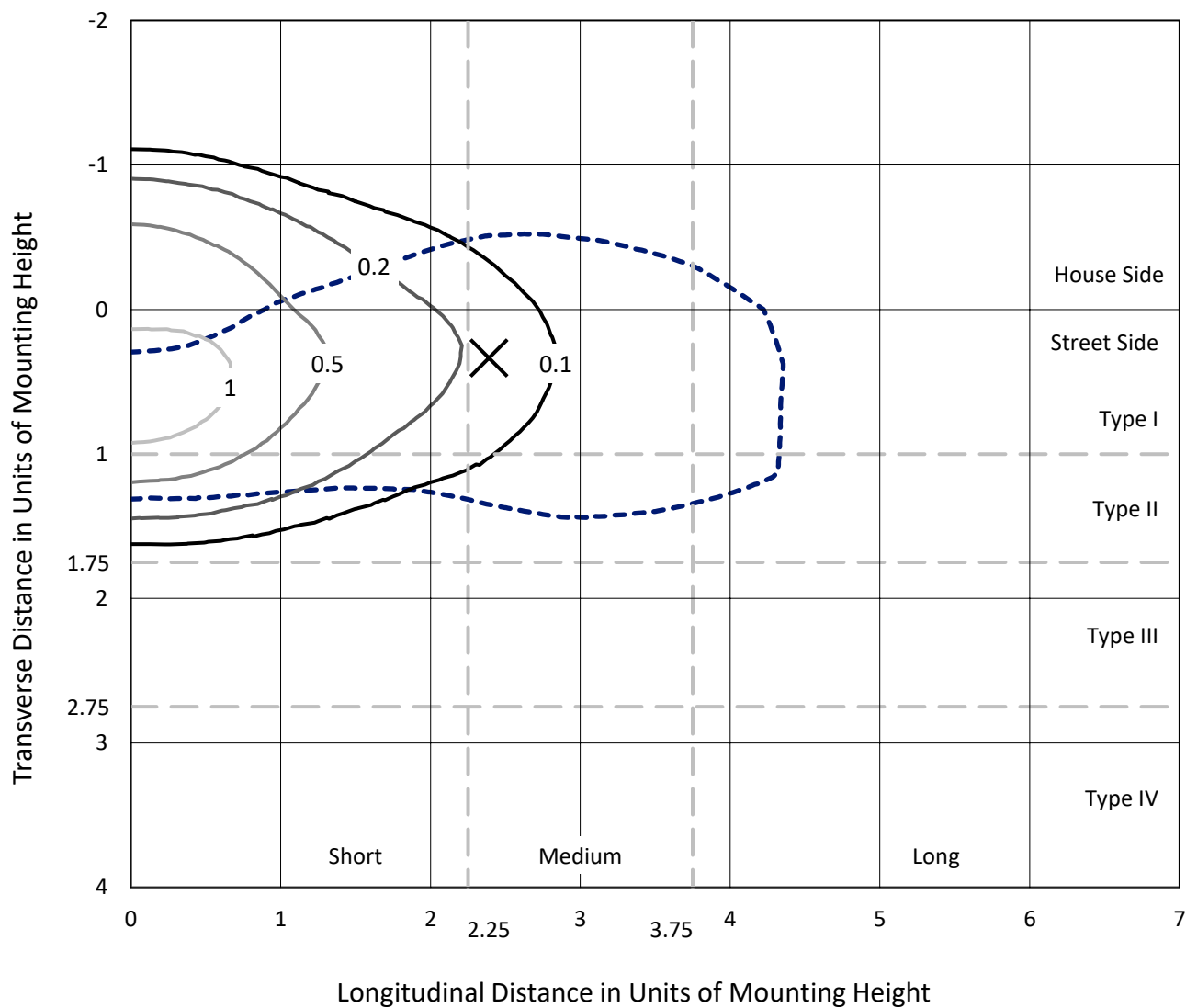
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

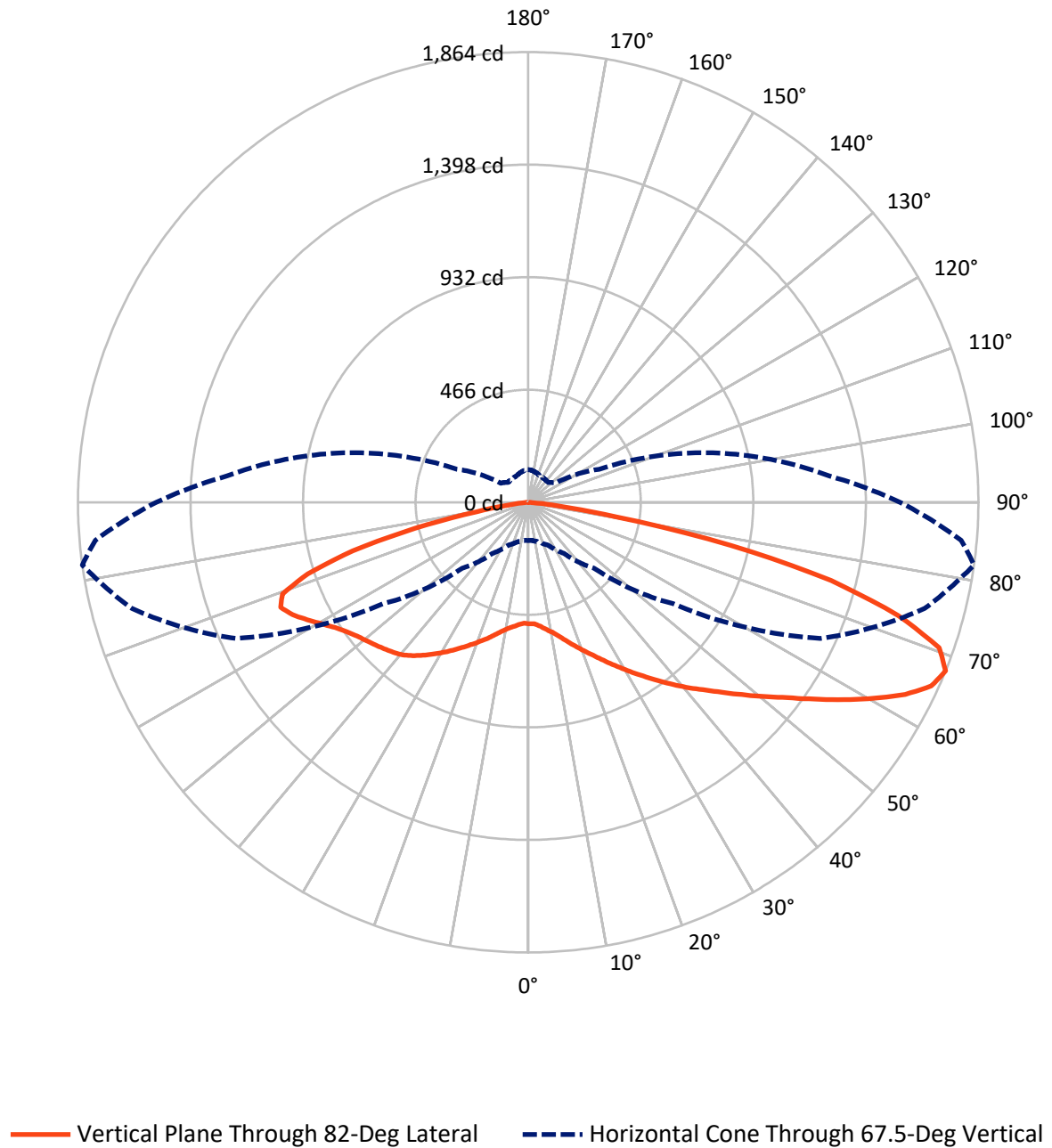


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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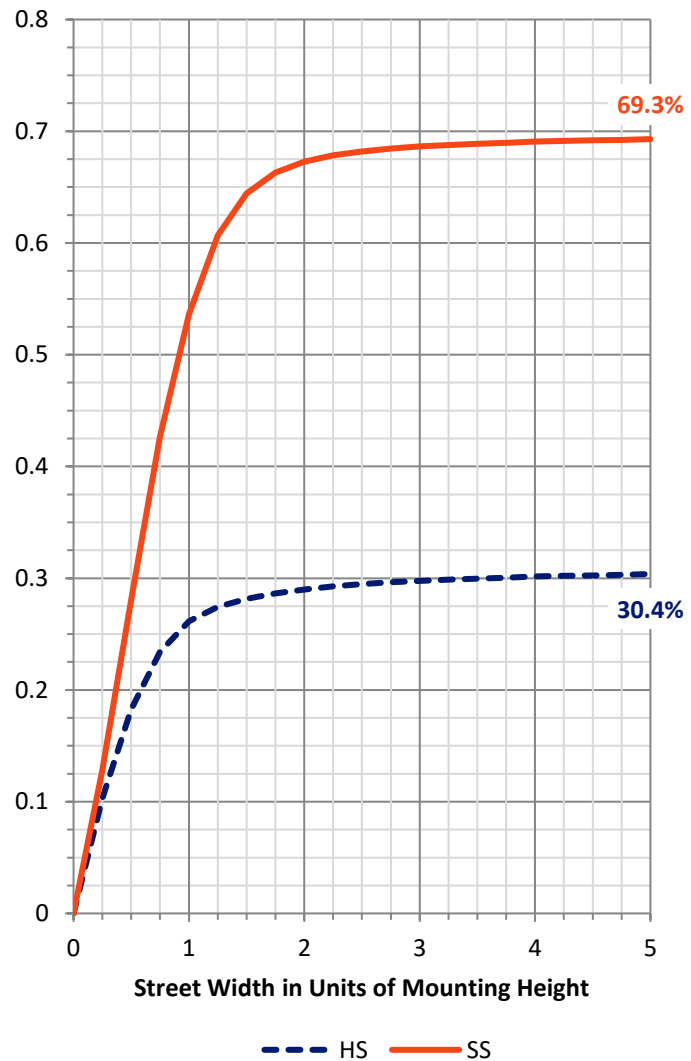
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1101.6   | 0.0    | 1101.6 |
|                    | % Fixture | 30.6     | 0.0    | 30.6   |
| <b>Street Side</b> | Lumens    | 2492.5   | 0.0    | 2492.5 |
|                    | % Fixture | 69.4     | 0.0    | 69.4   |
| <b>Total</b>       | Lumens    | 3594.1   | 0.0    | 3594.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.1   | 1.4       |
| 10°-20°   | 187.5  | 5.2       |
| 20°-30°   | 377.0  | 10.5      |
| 30°-40°   | 594.2  | 16.5      |
| 40°-50°   | 728.0  | 20.3      |
| 50°-60°   | 693.2  | 19.3      |
| 60°-70°   | 581.6  | 16.2      |
| 70°-80°   | 344.3  | 9.6       |
| 80°-90°   | 36.4   | 1.0       |
| 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°    | 3594.1 | 100.0     |
| 0°-180°   | 3594.1 | 100.0     |

**Coefficient of Utilization**



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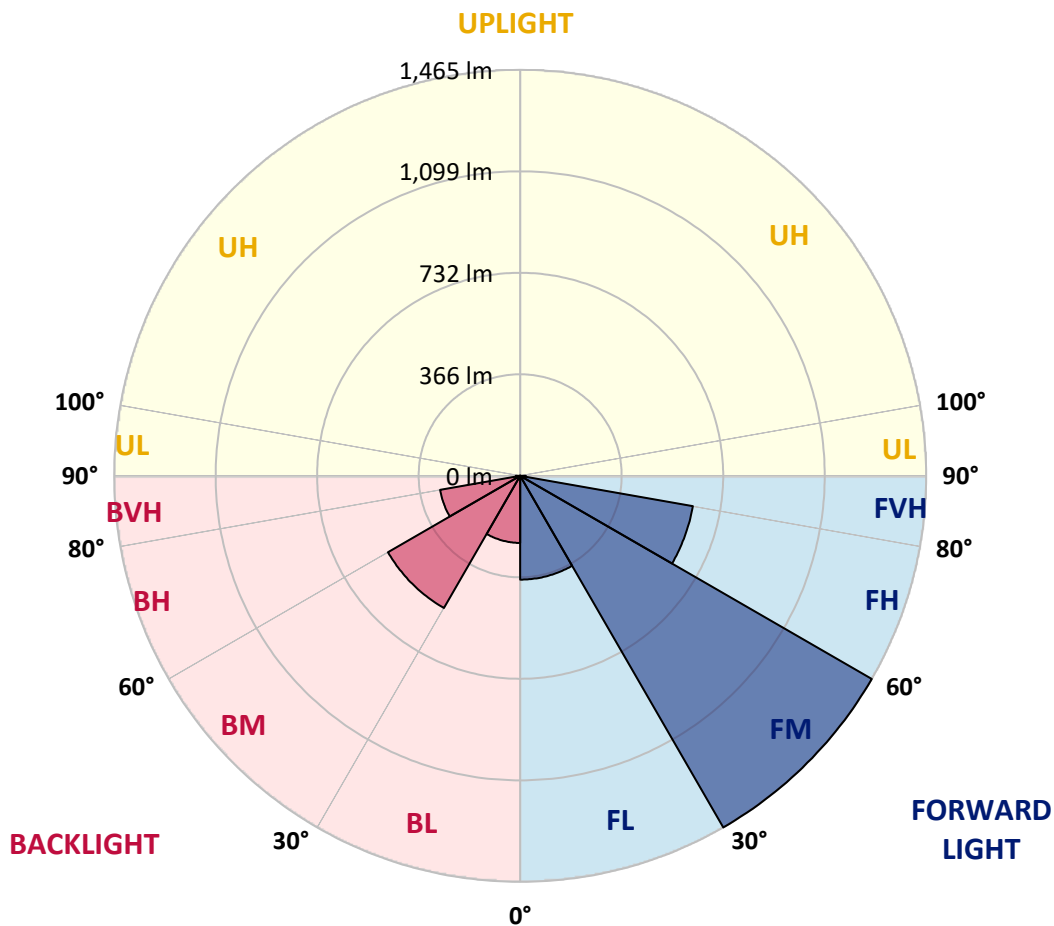
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 374.5  | 10.4      |                         |      |        |
| FM   | (30°-60°)   | 1464.7 | 40.8      |                         |      |        |
| FH   | (60°-80°)   | 632.7  | 17.6      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 20.6   | 0.6       |                         |      | G1/100 |
| BL   | (0°-30°)    | 242.0  | 6.7       | B1/500                  |      |        |
| BM   | (30°-60°)   | 550.7  | 15.3      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 293.2  | 8.2       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 15.7   | 0.4       |                         |      | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  | 503.0  |
| 2.5°  | 526.0  | 527.0  | 529.0  | 527.0  | 526.0  | 522.0  | 518.0  | 516.0  | 512.0  | 504.0  | 502.0  |
| 5°    | 575.0  | 576.0  | 578.0  | 570.0  | 566.0  | 555.0  | 545.0  | 536.0  | 526.0  | 515.0  | 513.0  |
| 7.5°  | 635.0  | 639.0  | 636.0  | 624.0  | 612.0  | 596.0  | 579.0  | 563.0  | 545.0  | 531.0  | 527.0  |
| 10°   | 702.0  | 708.0  | 702.0  | 684.0  | 668.0  | 642.0  | 616.0  | 592.0  | 566.0  | 547.0  | 542.0  |
| 12.5° | 781.0  | 782.0  | 779.0  | 754.0  | 732.0  | 696.0  | 660.0  | 628.0  | 594.0  | 569.0  | 562.0  |
| 15°   | 867.0  | 874.0  | 864.0  | 833.0  | 802.0  | 756.0  | 710.0  | 669.0  | 627.0  | 596.0  | 588.0  |
| 17.5° | 960.0  | 963.0  | 955.0  | 917.0  | 878.0  | 820.0  | 763.0  | 712.0  | 661.0  | 625.0  | 615.0  |
| 20°   | 1057.0 | 1059.0 | 1049.0 | 999.0  | 956.0  | 887.0  | 819.0  | 757.0  | 697.0  | 655.0  | 642.0  |
| 22.5° | 1157.0 | 1160.0 | 1142.0 | 1090.0 | 1037.0 | 959.0  | 879.0  | 803.0  | 737.0  | 688.0  | 672.0  |
| 25°   | 1277.0 | 1277.0 | 1254.0 | 1192.0 | 1128.0 | 1039.0 | 948.0  | 859.0  | 781.0  | 725.0  | 705.0  |
| 27.5° | 1400.0 | 1394.0 | 1374.0 | 1303.0 | 1226.0 | 1124.0 | 1022.0 | 923.0  | 831.0  | 765.0  | 742.0  |
| 30°   | 1510.9 | 1509.9 | 1485.9 | 1409.0 | 1321.0 | 1208.0 | 1095.0 | 988.0  | 884.0  | 808.0  | 782.0  |
| 32.5° | 1591.9 | 1592.9 | 1570.9 | 1499.9 | 1407.0 | 1290.0 | 1168.0 | 1052.0 | 936.0  | 853.0  | 826.0  |
| 35°   | 1650.9 | 1650.9 | 1632.9 | 1569.9 | 1481.9 | 1368.0 | 1244.0 | 1120.0 | 993.0  | 902.0  | 873.0  |
| 37.5° | 1669.9 | 1665.9 | 1657.9 | 1609.9 | 1533.9 | 1434.0 | 1319.0 | 1192.0 | 1053.0 | 953.0  | 918.0  |
| 40°   | 1640.9 | 1632.9 | 1640.9 | 1611.9 | 1556.9 | 1480.9 | 1384.0 | 1265.0 | 1116.0 | 1007.0 | 965.0  |
| 42.5° | 1578.9 | 1567.9 | 1583.9 | 1569.9 | 1545.9 | 1504.9 | 1433.0 | 1334.0 | 1182.0 | 1061.0 | 1012.0 |
| 45°   | 1497.9 | 1482.9 | 1501.9 | 1498.9 | 1494.9 | 1497.9 | 1462.0 | 1395.0 | 1254.0 | 1121.0 | 1066.0 |
| 47.5° | 1379.0 | 1357.0 | 1397.0 | 1413.0 | 1427.0 | 1459.0 | 1464.9 | 1444.0 | 1330.0 | 1190.0 | 1125.0 |
| 50°   | 1186.0 | 1169.0 | 1239.0 | 1298.0 | 1342.0 | 1396.0 | 1439.0 | 1471.9 | 1407.0 | 1264.0 | 1190.0 |
| 52.5° | 939.0  | 921.0  | 1016.0 | 1137.0 | 1235.0 | 1319.0 | 1385.0 | 1477.9 | 1480.9 | 1343.0 | 1264.0 |
| 55°   | 683.0  | 689.0  | 777.0  | 922.0  | 1089.0 | 1230.0 | 1317.0 | 1462.9 | 1548.9 | 1438.0 | 1354.0 |
| 57.5° | 485.0  | 490.0  | 566.0  | 687.0  | 900.0  | 1115.0 | 1253.0 | 1429.0 | 1613.9 | 1541.9 | 1458.0 |
| 60°   | 331.0  | 346.0  | 402.0  | 494.0  | 687.0  | 957.0  | 1188.0 | 1388.0 | 1662.9 | 1646.9 | 1567.9 |
| 62.5° | 243.0  | 251.0  | 286.0  | 355.0  | 490.0  | 757.0  | 1091.0 | 1359.0 | 1694.9 | 1751.9 | 1662.9 |
| 65°   | 189.0  | 193.0  | 213.0  | 259.0  | 351.0  | 551.0  | 936.0  | 1353.0 | 1706.9 | 1833.9 | 1758.9 |
| 67.5° | 158.0  | 158.0  | 169.0  | 196.0  | 258.0  | 386.0  | 732.0  | 1334.0 | 1698.9 | 1863.9 | 1798.9 |
| 70°   | 133.0  | 132.0  | 141.0  | 158.0  | 194.0  | 275.0  | 516.0  | 1244.0 | 1655.9 | 1804.9 | 1748.9 |
| 72.5° | 108.0  | 108.0  | 120.0  | 131.0  | 152.0  | 200.0  | 338.0  | 1051.0 | 1525.9 | 1601.9 | 1560.9 |
| 75°   | 87.0   | 86.0   | 95.0   | 110.0  | 120.0  | 146.0  | 212.0  | 765.0  | 1300.0 | 1295.0 | 1251.0 |
| 77.5° | 67.0   | 66.0   | 74.0   | 90.0   | 97.0   | 108.0  | 138.0  | 461.0  | 902.0  | 857.0  | 860.0  |
| 80°   | 51.0   | 49.0   | 54.0   | 66.0   | 68.0   | 70.0   | 77.0   | 188.0  | 405.0  | 370.0  | 369.0  |
| 82.5° | 32.0   | 32.0   | 34.0   | 42.0   | 40.0   | 41.0   | 35.0   | 63.0   | 143.0  | 122.0  | 126.0  |
| 85°   | 12.0   | 12.0   | 15.0   | 18.0   | 16.0   | 15.0   | 11.0   | 14.0   | 22.0   | 17.0   | 16.0   |
| 87.5° | 1.0    | 1.0    | 1.0    | 2.0    | 2.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    | 2.0    |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 503.0  | 503.0  | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 |
| 2.5°  | 501.0  | 501.0  | 501.0 | 502.0 | 499.0 | 497.0 | 494.0 | 492.0 | 492.0 | 493.0 | 495.0 |
| 5°    | 510.0  | 509.0  | 508.0 | 508.0 | 505.0 | 503.0 | 501.0 | 499.0 | 499.0 | 501.0 | 501.0 |
| 7.5°  | 522.0  | 520.0  | 517.0 | 517.0 | 515.0 | 513.0 | 512.0 | 510.0 | 511.0 | 512.0 | 513.0 |
| 10°   | 535.0  | 532.0  | 529.0 | 529.0 | 527.0 | 525.0 | 525.0 | 522.0 | 523.0 | 524.0 | 525.0 |
| 12.5° | 553.0  | 550.0  | 544.0 | 546.0 | 544.0 | 542.0 | 540.0 | 537.0 | 535.0 | 537.0 | 537.0 |
| 15°   | 576.0  | 571.0  | 565.0 | 567.0 | 564.0 | 560.0 | 557.0 | 551.0 | 549.0 | 549.0 | 550.0 |
| 17.5° | 600.0  | 594.0  | 586.0 | 588.0 | 583.0 | 576.0 | 569.0 | 562.0 | 559.0 | 558.0 | 558.0 |
| 20°   | 625.0  | 616.0  | 606.0 | 608.0 | 598.0 | 587.0 | 577.0 | 565.0 | 560.0 | 558.0 | 558.0 |
| 22.5° | 650.0  | 640.0  | 627.0 | 625.0 | 610.0 | 593.0 | 577.0 | 562.0 | 553.0 | 551.0 | 550.0 |
| 25°   | 679.0  | 666.0  | 649.0 | 643.0 | 621.0 | 596.0 | 573.0 | 554.0 | 543.0 | 540.0 | 539.0 |
| 27.5° | 711.0  | 694.0  | 672.0 | 658.0 | 627.0 | 593.0 | 563.0 | 540.0 | 527.0 | 522.0 | 522.0 |
| 30°   | 743.0  | 723.0  | 693.0 | 669.0 | 626.0 | 583.0 | 547.0 | 519.0 | 504.0 | 497.0 | 497.0 |
| 32.5° | 779.0  | 752.0  | 713.0 | 674.0 | 619.0 | 567.0 | 525.0 | 493.0 | 475.0 | 467.0 | 466.0 |
| 35°   | 818.0  | 785.0  | 730.0 | 676.0 | 608.0 | 547.0 | 500.0 | 465.0 | 447.0 | 437.0 | 436.0 |
| 37.5° | 859.0  | 817.0  | 743.0 | 673.0 | 593.0 | 524.0 | 473.0 | 438.0 | 414.0 | 398.0 | 397.0 |
| 40°   | 896.0  | 847.0  | 753.0 | 665.0 | 574.0 | 499.0 | 445.0 | 398.0 | 365.0 | 347.0 | 345.0 |
| 42.5° | 930.0  | 868.0  | 758.0 | 653.0 | 553.0 | 469.0 | 406.0 | 347.0 | 313.0 | 295.0 | 294.0 |
| 45°   | 967.0  | 890.0  | 757.0 | 639.0 | 525.0 | 435.0 | 357.0 | 297.0 | 267.0 | 252.0 | 251.0 |
| 47.5° | 1007.0 | 912.0  | 757.0 | 623.0 | 494.0 | 391.0 | 308.0 | 254.0 | 226.0 | 213.0 | 212.0 |
| 50°   | 1049.0 | 936.0  | 754.0 | 604.0 | 458.0 | 339.0 | 260.0 | 213.0 | 191.0 | 181.0 | 181.0 |
| 52.5° | 1099.0 | 962.0  | 753.0 | 581.0 | 415.0 | 288.0 | 217.0 | 180.0 | 163.0 | 158.0 | 158.0 |
| 55°   | 1159.0 | 994.0  | 755.0 | 553.0 | 365.0 | 238.0 | 183.0 | 157.0 | 147.0 | 145.0 | 145.0 |
| 57.5° | 1234.0 | 1035.0 | 761.0 | 522.0 | 310.0 | 195.0 | 158.0 | 144.0 | 141.0 | 140.0 | 140.0 |
| 60°   | 1318.0 | 1085.0 | 772.0 | 487.0 | 257.0 | 163.0 | 143.0 | 138.0 | 137.0 | 141.0 | 141.0 |
| 62.5° | 1406.0 | 1141.0 | 790.0 | 442.0 | 210.0 | 141.0 | 134.0 | 132.0 | 133.0 | 140.0 | 140.0 |
| 65°   | 1487.9 | 1199.0 | 805.0 | 390.0 | 169.0 | 128.0 | 126.0 | 126.0 | 131.0 | 139.0 | 139.0 |
| 67.5° | 1539.9 | 1251.0 | 791.0 | 324.0 | 138.0 | 117.0 | 118.0 | 119.0 | 127.0 | 134.0 | 135.0 |
| 70°   | 1519.9 | 1248.0 | 709.0 | 245.0 | 114.0 | 107.0 | 110.0 | 112.0 | 117.0 | 127.0 | 130.0 |
| 72.5° | 1381.0 | 1134.0 | 550.0 | 167.0 | 96.0  | 96.0  | 101.0 | 104.0 | 107.0 | 117.0 | 123.0 |
| 75°   | 1152.0 | 919.0  | 367.0 | 110.0 | 80.0  | 87.0  | 92.0  | 93.0  | 96.0  | 105.0 | 108.0 |
| 77.5° | 806.0  | 600.0  | 202.0 | 74.0  | 63.0  | 71.0  | 77.0  | 81.0  | 85.0  | 89.0  | 91.0  |
| 80°   | 353.0  | 267.0  | 97.0  | 49.0  | 47.0  | 53.0  | 58.0  | 66.0  | 73.0  | 80.0  | 81.0  |
| 82.5° | 116.0  | 94.0   | 44.0  | 28.0  | 28.0  | 34.0  | 39.0  | 49.0  | 57.0  | 68.0  | 68.0  |
| 85°   | 16.0   | 12.0   | 13.0  | 11.0  | 12.0  | 16.0  | 20.0  | 26.0  | 29.0  | 29.0  | 25.0  |
| 87.5° | 2.0    | 2.0    | 2.0   | 2.0   | 2.0   | 3.0   | 3.0   | 3.0   | 2.0   | 2.0   | 1.0   |
| 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)