

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: P691334

Luminaire Tested: **CRTK2-C015-D-U-T3-7040-U0**

Issue Date: 6/13/2023

#### Test Information

Test Method: LM-79-08  
Report Number: P691334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T3-7040-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4310 lumens  
Efficiency: N/A  
Efficacy: 144.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

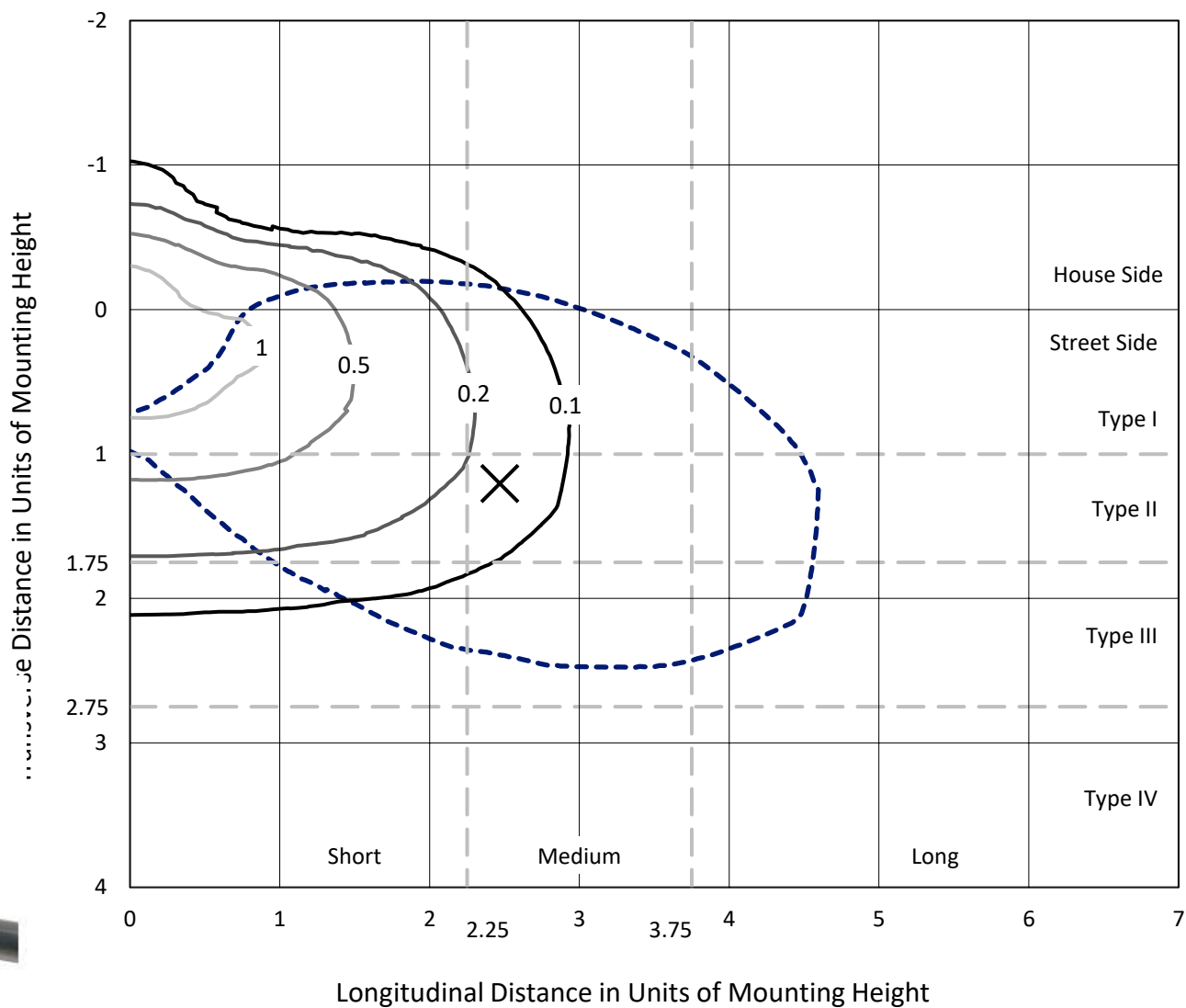
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

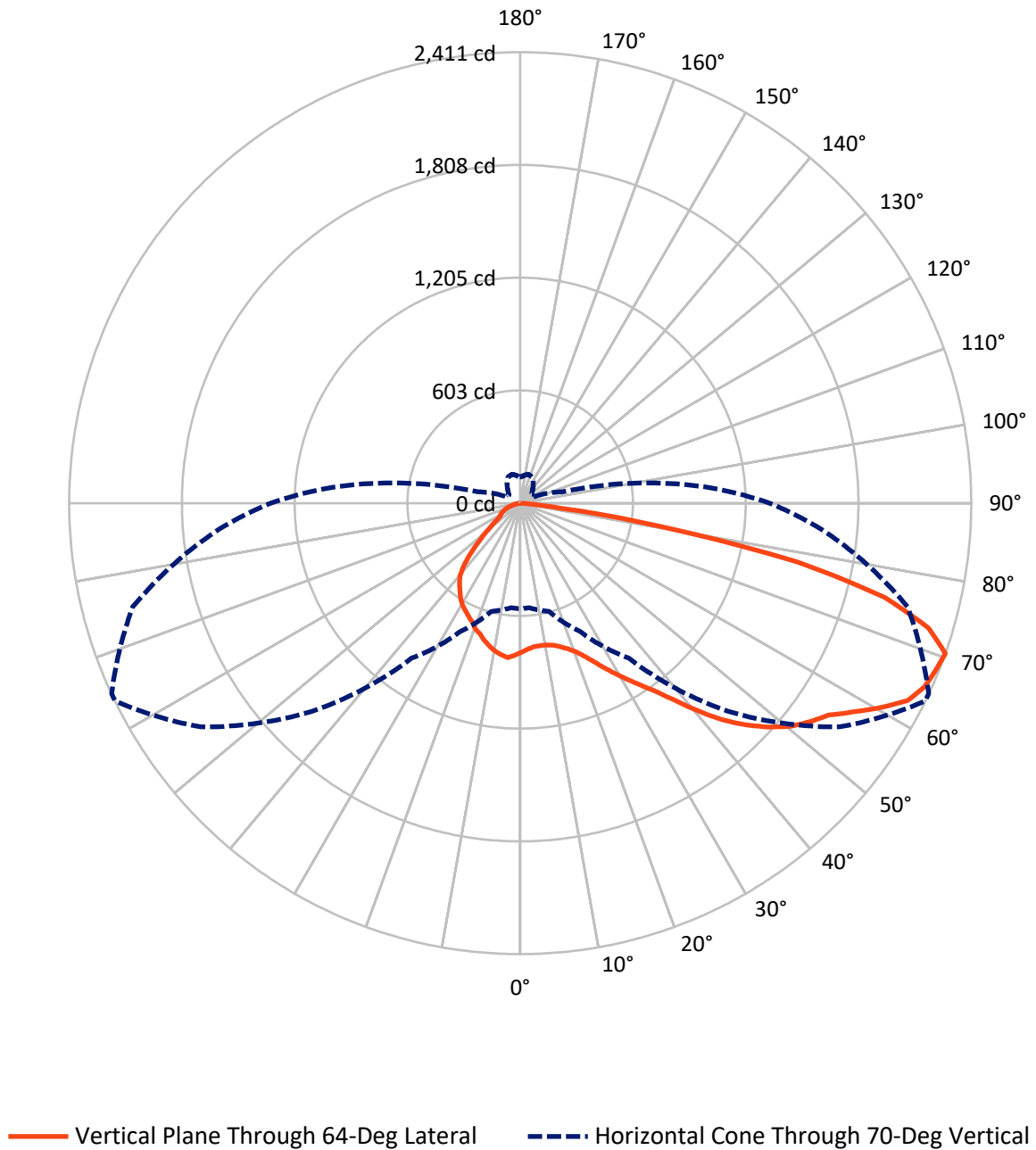
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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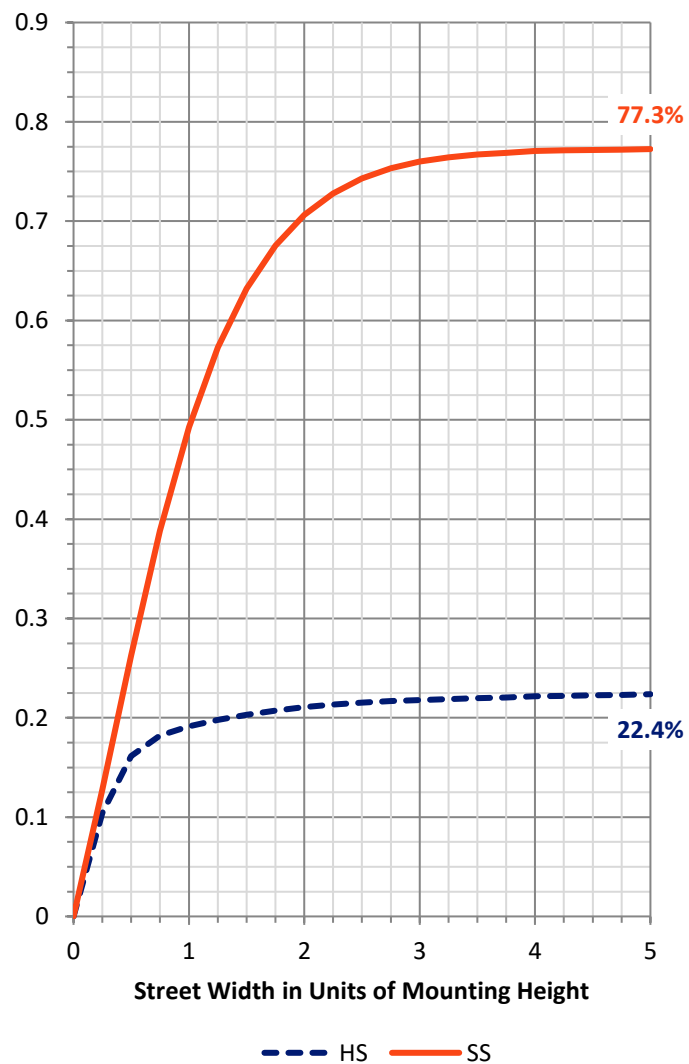
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 979.1    | 0.0    | 979.1  |
|                    | % Fixture | 22.7     | 0.0    | 22.7   |
| <b>Street Side</b> | Lumens    | 3330.9   | 0.0    | 3330.9 |
|                    | % Fixture | 77.3     | 0.0    | 77.3   |
| <b>Total</b>       | Lumens    | 4310.0   | 0.0    | 4310.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.7   | 1.8       |
| 10°-20°   | 224.8  | 5.2       |
| 20°-30°   | 373.1  | 8.7       |
| 30°-40°   | 533.7  | 12.4      |
| 40°-50°   | 712.7  | 16.5      |
| 50°-60°   | 861.2  | 20.0      |
| 60°-70°   | 916.6  | 21.3      |
| 70°-80°   | 563.1  | 13.1      |
| 80°-90°   | 48.2   | 1.1       |
| 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°    | 4310.0 | 100.0     |
| 0°-180°   | 4310.0 | 100.0     |

**Coefficient of Utilization**



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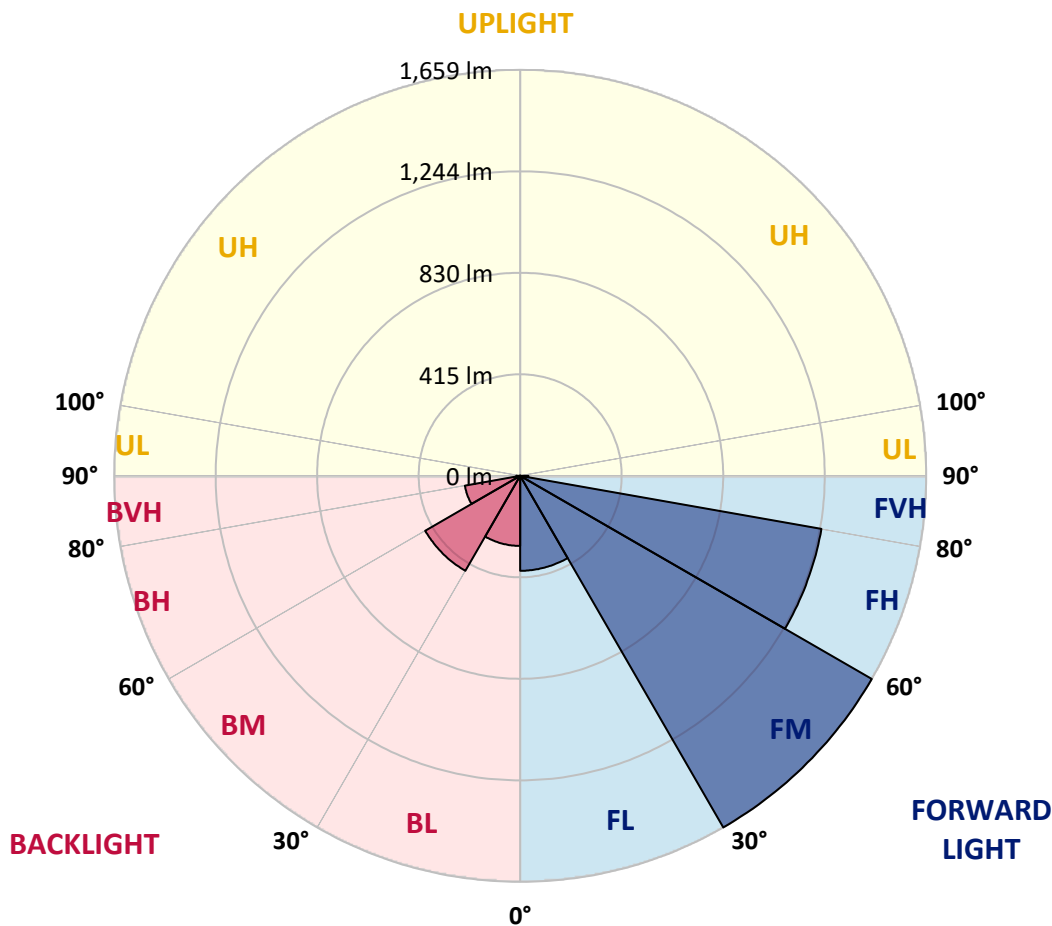
CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-U0

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 388.1  | 9.0       |                         |      |         |
| FM   | (30°-60°)   | 1659.3 | 38.5      |                         |      |         |
| FH   | (60°-80°)   | 1250.0 | 29.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 33.5   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 286.4  | 6.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 448.3  | 10.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 229.6  | 5.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 14.7   | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  | 797.1  |
| 2.5°  | 778.1  | 778.1  | 778.1  | 778.1  | 779.6  | 781.0  | 779.6  | 781.0  | 781.0  | 784.0  | 788.4  |
| 5°    | 791.3  | 791.3  | 788.4  | 782.5  | 778.1  | 772.2  | 769.3  | 770.8  | 770.8  | 778.1  | 789.8  |
| 7.5°  | 795.7  | 795.7  | 792.7  | 792.7  | 788.4  | 775.2  | 770.8  | 769.3  | 770.8  | 773.7  | 789.8  |
| 10°   | 817.7  | 816.2  | 808.9  | 800.1  | 794.2  | 782.5  | 772.2  | 770.8  | 772.2  | 776.6  | 794.2  |
| 12.5° | 841.1  | 841.1  | 838.2  | 830.8  | 814.7  | 803.0  | 785.4  | 779.6  | 778.1  | 782.5  | 792.7  |
| 15°   | 888.0  | 882.1  | 870.4  | 860.2  | 848.4  | 829.4  | 805.9  | 795.7  | 792.7  | 798.6  | 794.2  |
| 17.5° | 915.8  | 911.4  | 912.9  | 896.8  | 886.5  | 860.2  | 836.7  | 817.7  | 816.2  | 822.1  | 803.0  |
| 20°   | 946.6  | 945.1  | 948.1  | 946.6  | 930.5  | 907.0  | 870.4  | 847.0  | 844.0  | 845.5  | 816.2  |
| 22.5° | 993.5  | 993.5  | 992.0  | 992.0  | 983.2  | 955.4  | 914.4  | 890.9  | 886.5  | 876.3  | 838.2  |
| 25°   | 1044.8 | 1044.8 | 1044.8 | 1047.7 | 1047.7 | 1015.5 | 974.5  | 948.1  | 945.1  | 930.5  | 874.8  |
| 27.5° | 1093.1 | 1096.1 | 1097.5 | 1099.0 | 1103.4 | 1088.7 | 1043.3 | 1012.5 | 1011.1 | 992.0  | 923.2  |
| 30°   | 1131.2 | 1132.7 | 1145.9 | 1148.8 | 1157.6 | 1153.2 | 1109.3 | 1080.0 | 1082.9 | 1058.0 | 977.4  |
| 32.5° | 1164.9 | 1166.4 | 1185.5 | 1195.7 | 1206.0 | 1207.4 | 1170.8 | 1150.3 | 1150.3 | 1128.3 | 1043.3 |
| 35°   | 1197.2 | 1198.6 | 1222.1 | 1247.0 | 1267.5 | 1261.7 | 1241.1 | 1229.4 | 1233.8 | 1226.5 | 1134.2 |
| 37.5° | 1225.0 | 1230.9 | 1261.7 | 1298.3 | 1321.7 | 1326.1 | 1317.3 | 1333.5 | 1342.3 | 1354.0 | 1257.3 |
| 40°   | 1251.4 | 1254.3 | 1283.6 | 1321.7 | 1361.3 | 1381.8 | 1392.1 | 1458.0 | 1466.8 | 1475.6 | 1327.6 |
| 42.5° | 1226.5 | 1232.4 | 1295.4 | 1352.5 | 1402.3 | 1437.5 | 1485.9 | 1582.6 | 1601.6 | 1553.3 | 1422.8 |
| 45°   | 1197.2 | 1204.5 | 1267.5 | 1364.2 | 1434.6 | 1499.0 | 1588.4 | 1691.0 | 1705.7 | 1632.4 | 1474.1 |
| 47.5° | 1172.3 | 1181.1 | 1245.5 | 1354.0 | 1468.3 | 1582.6 | 1672.0 | 1787.7 | 1796.5 | 1699.8 | 1544.5 |
| 50°   | 1144.4 | 1151.8 | 1220.6 | 1340.8 | 1485.9 | 1658.8 | 1759.9 | 1875.6 | 1878.6 | 1755.5 | 1581.1 |
| 52.5° | 1107.8 | 1115.1 | 1185.5 | 1320.3 | 1499.0 | 1710.1 | 1833.1 | 1940.1 | 1928.4 | 1827.3 | 1623.6 |
| 55°   | 1060.9 | 1071.2 | 1147.4 | 1292.4 | 1506.4 | 1740.8 | 1883.0 | 2000.2 | 1994.3 | 1912.3 | 1679.3 |
| 57.5° | 1011.1 | 1021.3 | 1099.0 | 1254.3 | 1499.0 | 1759.9 | 1934.2 | 2104.2 | 2102.8 | 1981.1 | 1720.3 |
| 60°   | 955.4  | 964.2  | 1030.1 | 1204.5 | 1459.5 | 1790.6 | 2047.1 | 2217.1 | 2228.8 | 2058.8 | 1736.4 |
| 62.5° | 882.1  | 883.6  | 949.5  | 1132.7 | 1408.2 | 1812.6 | 2127.7 | 2324.0 | 2316.7 | 2110.1 | 1739.4 |
| 65°   | 785.4  | 789.8  | 848.4  | 1033.1 | 1324.7 | 1795.0 | 2148.2 | 2372.4 | 2372.4 | 2148.2 | 1736.4 |
| 67.5° | 691.6  | 690.2  | 740.0  | 908.5  | 1195.7 | 1717.4 | 2130.6 | 2392.9 | 2403.2 | 2173.1 | 1698.3 |
| 70°   | 564.2  | 561.2  | 599.3  | 756.1  | 1011.1 | 1573.8 | 2085.2 | 2410.5 | 2409.0 | 2143.8 | 1617.7 |
| 72.5° | 417.6  | 416.2  | 442.5  | 572.9  | 773.7  | 1346.6 | 1950.4 | 2281.5 | 2266.9 | 2003.1 | 1460.9 |
| 75°   | 231.5  | 219.8  | 218.3  | 354.6  | 449.9  | 943.7  | 1657.3 | 2011.9 | 2017.8 | 1770.1 | 1223.6 |
| 77.5° | 33.7   | 35.2   | 36.6   | 64.5   | 77.7   | 353.1  | 1077.0 | 1516.6 | 1513.7 | 1365.7 | 892.4  |
| 80°   | 23.4   | 24.9   | 26.4   | 32.2   | 36.6   | 83.5   | 372.2  | 764.9  | 808.9  | 718.0  | 411.8  |
| 82.5° | 17.6   | 17.6   | 19.0   | 22.0   | 20.5   | 38.1   | 115.8  | 212.5  | 219.8  | 199.3  | 121.6  |
| 85°   | 11.7   | 11.7   | 10.3   | 11.7   | 7.3    | 10.3   | 26.4   | 39.6   | 42.5   | 41.0   | 33.7   |
| 87.5° | 5.9    | 5.9    | 4.4    | 4.4    | 2.9    | 2.9    | 2.9    | 1.5    | 2.9    | 1.5    | 2.9    |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 797.1  | 797.1  | 797.1 | 797.1 | 797.1 | 797.1 | 797.1 | 797.1 | 797.1 | 797.1 | 797.1 |
| 2.5°  | 792.7  | 795.7  | 804.5 | 811.8 | 820.6 | 830.8 | 836.7 | 842.6 | 848.4 | 845.5 | 849.9 |
| 5°    | 795.7  | 801.5  | 814.7 | 827.9 | 835.2 | 836.7 | 838.2 | 842.6 | 851.4 | 851.4 | 858.7 |
| 7.5°  | 798.6  | 808.9  | 808.9 | 816.2 | 826.5 | 829.4 | 830.8 | 833.8 | 838.2 | 839.6 | 838.2 |
| 10°   | 798.6  | 794.2  | 801.5 | 803.0 | 798.6 | 805.9 | 810.3 | 808.9 | 813.3 | 814.7 | 814.7 |
| 12.5° | 789.8  | 788.4  | 782.5 | 782.5 | 781.0 | 769.3 | 769.3 | 781.0 | 781.0 | 788.4 | 789.8 |
| 15°   | 789.8  | 778.1  | 770.8 | 760.5 | 750.3 | 745.9 | 740.0 | 731.2 | 734.1 | 744.4 | 747.3 |
| 17.5° | 788.4  | 775.2  | 753.2 | 732.7 | 725.3 | 707.8 | 701.9 | 701.9 | 700.4 | 706.3 | 707.8 |
| 20°   | 794.2  | 775.2  | 741.5 | 718.0 | 678.5 | 672.6 | 660.9 | 662.3 | 663.8 | 655.0 | 650.6 |
| 22.5° | 810.3  | 786.9  | 732.7 | 687.2 | 656.5 | 630.1 | 608.1 | 593.5 | 592.0 | 587.6 | 592.0 |
| 25°   | 835.2  | 807.4  | 734.1 | 669.7 | 619.8 | 581.7 | 567.1 | 531.9 | 515.8 | 517.3 | 526.1 |
| 27.5° | 880.7  | 832.3  | 741.5 | 650.6 | 590.5 | 536.3 | 489.4 | 467.4 | 449.9 | 449.9 | 452.8 |
| 30°   | 923.2  | 870.4  | 738.5 | 634.5 | 545.1 | 477.7 | 417.6 | 382.5 | 376.6 | 370.7 | 369.3 |
| 32.5° | 1002.3 | 918.8  | 767.8 | 611.0 | 502.6 | 403.0 | 342.9 | 294.5 | 298.9 | 300.4 | 303.3 |
| 35°   | 1081.4 | 996.4  | 773.7 | 581.7 | 441.1 | 328.2 | 265.2 | 238.9 | 250.6 | 253.5 | 256.4 |
| 37.5° | 1186.9 | 1093.1 | 813.3 | 555.4 | 378.1 | 252.0 | 211.0 | 199.3 | 211.0 | 211.0 | 212.5 |
| 40°   | 1244.1 | 1138.6 | 845.5 | 529.0 | 296.0 | 186.1 | 165.6 | 156.8 | 171.4 | 183.2 | 186.1 |
| 42.5° | 1324.7 | 1197.2 | 874.8 | 476.2 | 209.5 | 139.2 | 127.5 | 145.1 | 168.5 | 180.2 | 181.7 |
| 45°   | 1365.7 | 1226.5 | 864.6 | 405.9 | 137.7 | 112.8 | 124.6 | 146.5 | 170.0 | 181.7 | 183.2 |
| 47.5° | 1421.4 | 1267.5 | 844.0 | 323.8 | 109.9 | 111.4 | 126.0 | 150.9 | 174.4 | 184.6 | 186.1 |
| 50°   | 1475.6 | 1310.0 | 791.3 | 257.9 | 105.5 | 111.4 | 128.9 | 152.4 | 172.9 | 180.2 | 178.8 |
| 52.5° | 1506.4 | 1349.6 | 723.9 | 196.4 | 105.5 | 112.8 | 131.9 | 155.3 | 171.4 | 172.9 | 172.9 |
| 55°   | 1534.2 | 1354.0 | 668.2 | 152.4 | 104.0 | 114.3 | 134.8 | 158.3 | 172.9 | 172.9 | 170.0 |
| 57.5° | 1551.8 | 1336.4 | 625.7 | 131.9 | 104.0 | 114.3 | 134.8 | 158.3 | 180.2 | 184.6 | 180.2 |
| 60°   | 1544.5 | 1302.7 | 596.4 | 123.1 | 101.1 | 112.8 | 133.3 | 162.7 | 221.3 | 231.5 | 222.7 |
| 62.5° | 1526.9 | 1283.6 | 533.4 | 112.8 | 96.7  | 108.4 | 130.4 | 175.8 | 237.4 | 238.9 | 231.5 |
| 65°   | 1510.8 | 1220.6 | 457.2 | 101.1 | 90.9  | 104.0 | 126.0 | 178.8 | 200.8 | 193.4 | 192.0 |
| 67.5° | 1437.5 | 1138.6 | 348.8 | 89.4  | 82.1  | 98.2  | 121.6 | 164.1 | 178.8 | 170.0 | 167.0 |
| 70°   | 1333.5 | 995.0  | 233.0 | 76.2  | 73.3  | 90.9  | 121.6 | 153.9 | 159.7 | 145.1 | 139.2 |
| 72.5° | 1143.0 | 823.5  | 127.5 | 61.5  | 61.5  | 83.5  | 109.9 | 143.6 | 148.0 | 130.4 | 120.2 |
| 75°   | 930.5  | 596.4  | 82.1  | 46.9  | 46.9  | 70.3  | 99.6  | 136.3 | 145.1 | 126.0 | 112.8 |
| 77.5° | 640.4  | 326.8  | 57.1  | 33.7  | 30.8  | 54.2  | 79.1  | 111.4 | 128.9 | 108.4 | 92.3  |
| 80°   | 216.9  | 86.5   | 36.6  | 22.0  | 19.0  | 30.8  | 52.8  | 86.5  | 117.2 | 111.4 | 99.6  |
| 82.5° | 85.0   | 54.2   | 24.9  | 14.7  | 13.2  | 14.7  | 26.4  | 54.2  | 93.8  | 101.1 | 117.2 |
| 85°   | 24.9   | 14.7   | 8.8   | 7.3   | 7.3   | 7.3   | 7.3   | 22.0  | 55.7  | 73.3  | 92.3  |
| 87.5° | 2.9    | 2.9    | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 13.2  | 23.4  | 30.8  |
| 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)