

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: P853389

Luminaire Tested: **CRTK-N-40-727-U-T2R-CNR**

Issue Date: 7/11/2024

**Test Information**

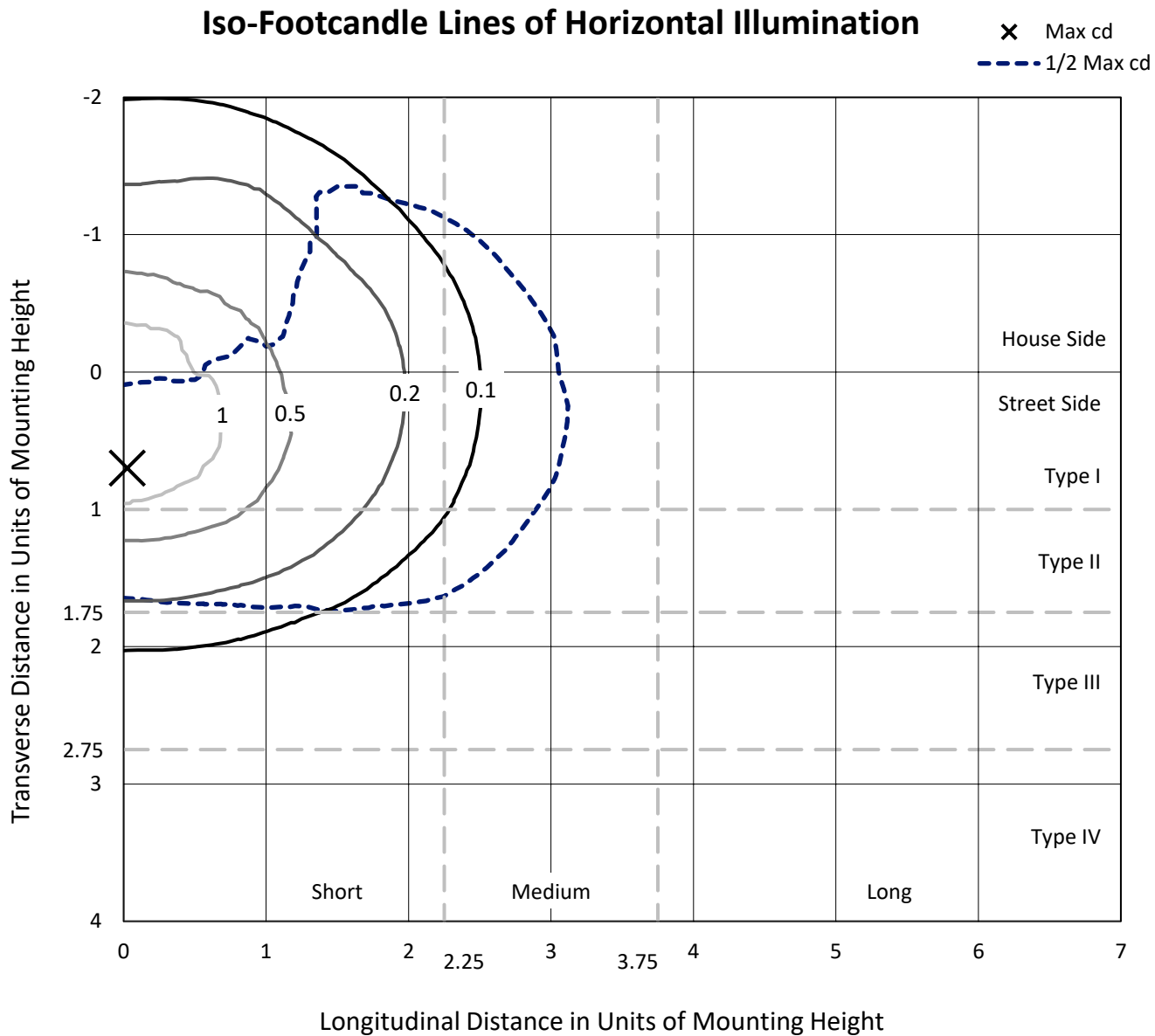
Test Method: LM-79-08  
Report Number: P853389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-40-727-U-T2R-CNR  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5172 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 42.1  
Input Voltage (V): 120.0  
Input Current (Ain): 0.352  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 7.54%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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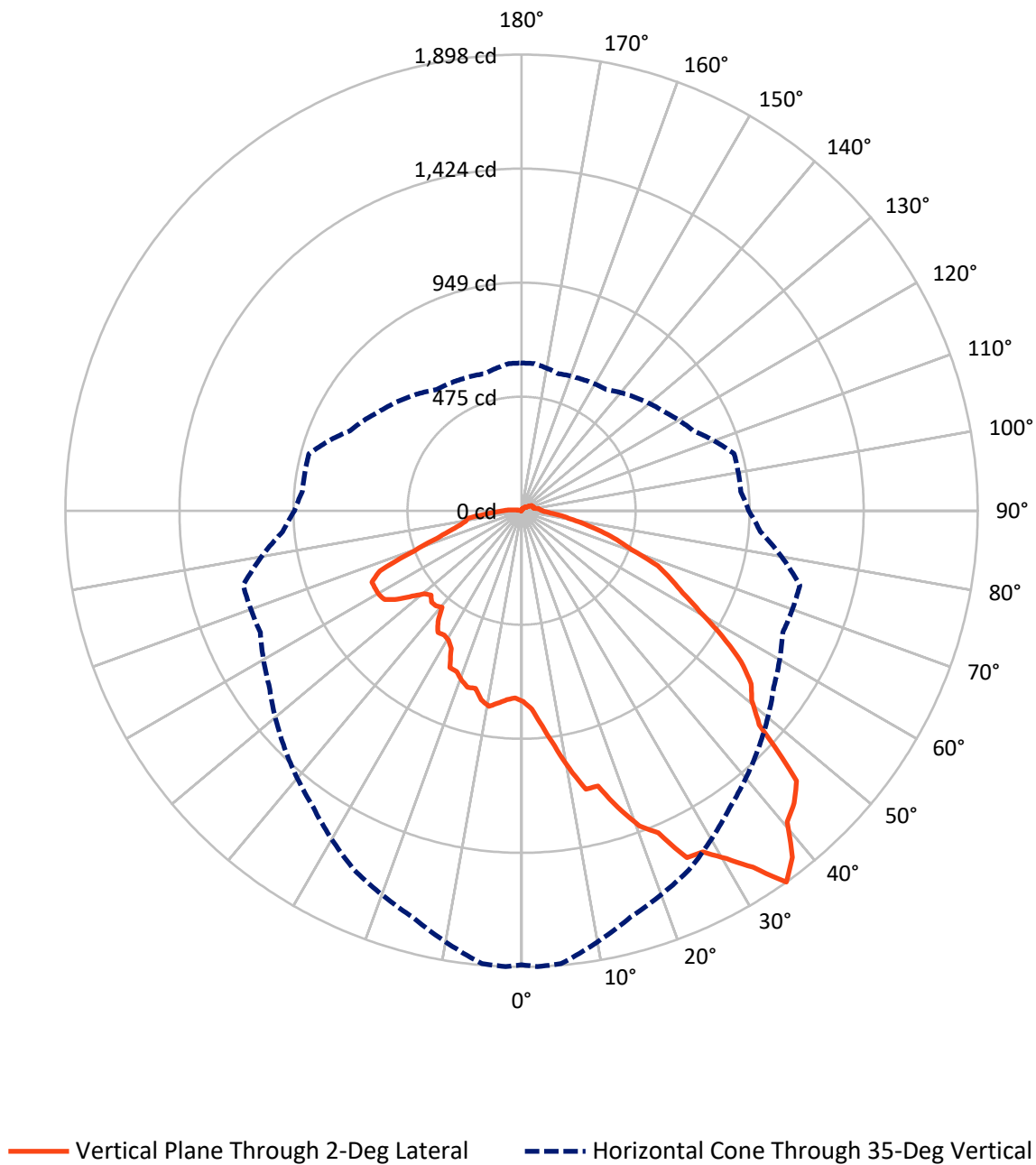


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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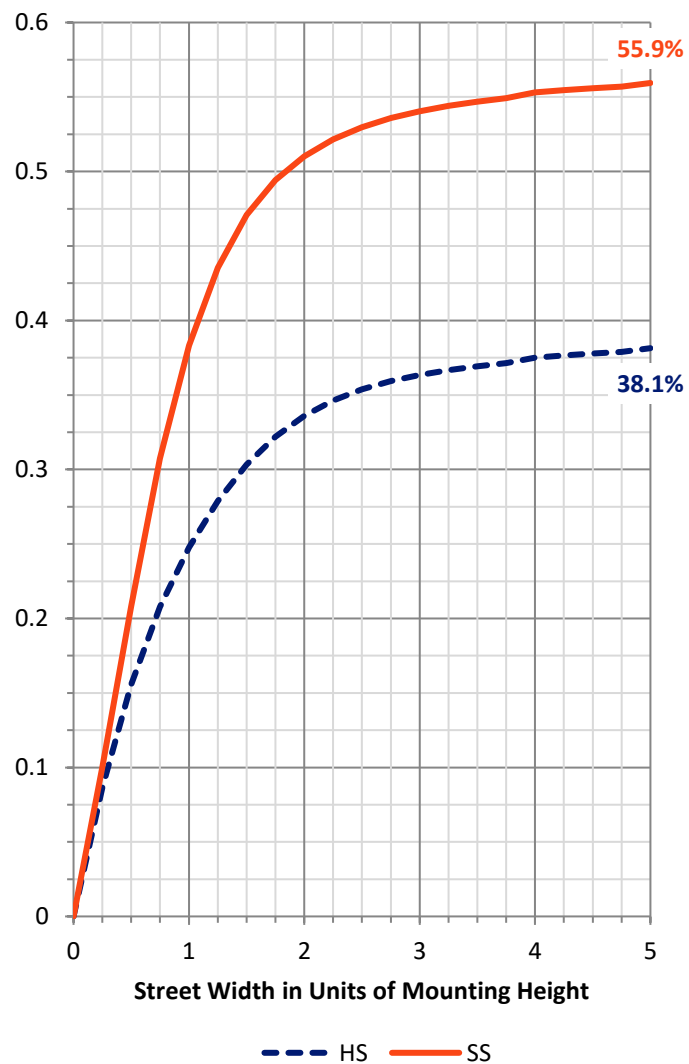
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2021.4   | 82.4   | 2103.8 |
|                    | % Fixture | 39.1     | 1.6    | 40.7   |
| <b>Street Side</b> | Lumens    | 2933.3   | 134.9  | 3068.2 |
|                    | % Fixture | 56.7     | 2.6    | 59.3   |
| <b>Total</b>       | Lumens    | 4954.7   | 217.3  | 5172.0 |
|                    | % Fixture | 95.8     | 4.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.6   | 1.6       |
| 10°-20°   | 273.2  | 5.3       |
| 20°-30°   | 468.8  | 9.1       |
| 30°-40°   | 673.6  | 13.0      |
| 40°-50°   | 819.7  | 15.8      |
| 50°-60°   | 961.8  | 18.6      |
| 60°-70°   | 954.5  | 18.5      |
| 70°-80°   | 530.7  | 10.3      |
| 80°-90°   | 191.0  | 3.7       |
| 90°-100°  | 69.4   | 1.3       |
| 100°-110° | 59.7   | 1.2       |
| 110°-120° | 49.5   | 1.0       |
| 120°-130° | 20.2   | 0.4       |
| 130°-140° | 10.1   | 0.2       |
| 140°-150° | 5.3    | 0.1       |
| 150°-160° | 2.5    | 0.0       |
| 160°-170° | 0.5    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 4954.7 | 95.8      |
| 0°-180°   | 5172.0 | 100.0     |

**Coefficient of Utilization**



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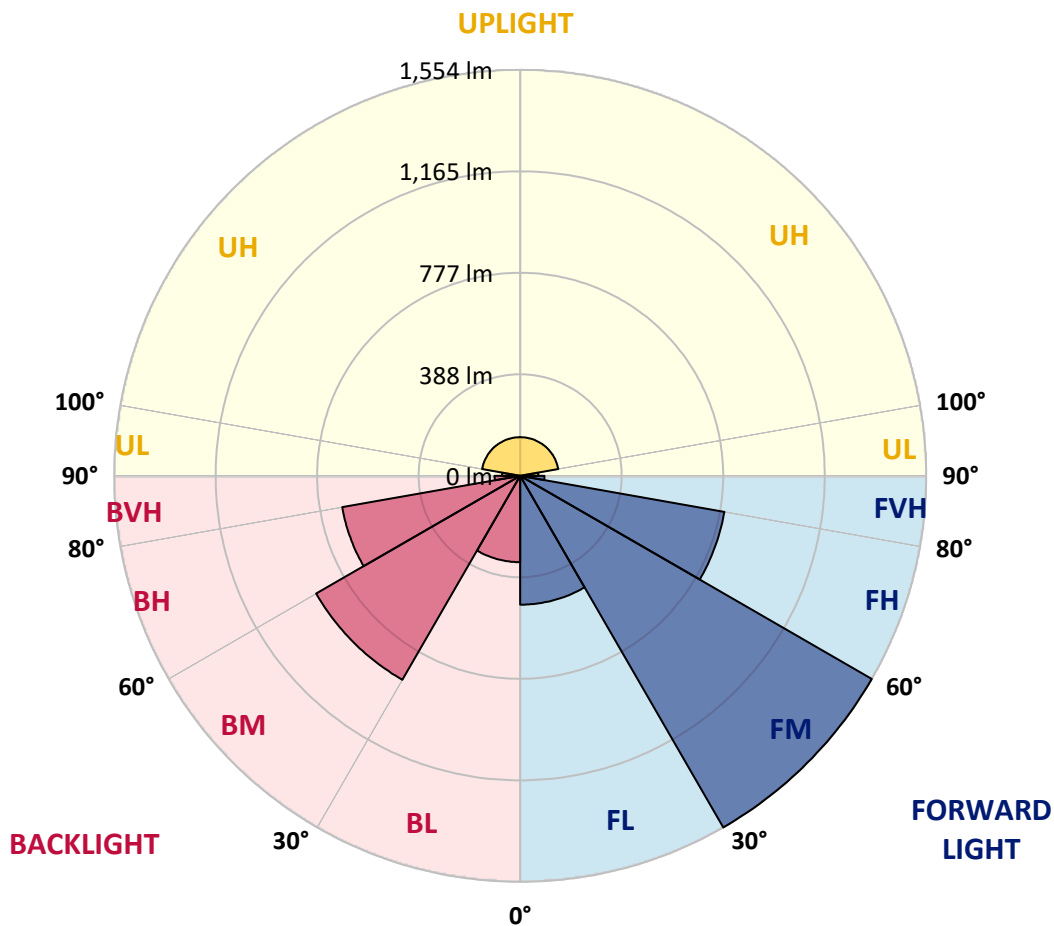
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 493.0  | 9.5       |                         |        |         |
| FM   | (30°-60°)   | 1553.7 | 30.0      |                         |        |         |
| FH   | (60°-80°)   | 793.6  | 15.3      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 93.0   | 1.8       |                         |        | G1/100  |
| BL   | (0°-30°)    | 330.5  | 6.4       | B1/500                  |        |         |
| BM   | (30°-60°)   | 901.4  | 17.4      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 691.5  | 13.4      | B2/1000                 |        | G2/1000 |
| BVH  | (80°-90°)   | 98.0   | 1.9       |                         |        | G1/100  |
| UL   | (90°-100°)  | 69.4   | 1.3       |                         | U3/500 |         |
| UH   | (100°-180°) | 147.9  | 2.9       |                         | U3/500 |         |

**BUG Rating: B2-U3-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  | 794.1  |
| 2.5°   | 825.2  | 826.7  | 826.7  | 832.6  | 828.2  | 828.2  | 819.3  | 813.3  | 813.3  | 805.9  | 794.1  |
| 5°     | 896.5  | 899.4  | 897.9  | 902.4  | 892.0  | 886.1  | 866.8  | 851.9  | 841.5  | 826.7  | 808.9  |
| 7.5°   | 985.5  | 988.5  | 987.0  | 987.0  | 972.2  | 958.8  | 927.6  | 900.9  | 880.1  | 856.4  | 828.2  |
| 10°    | 1082.0 | 1090.9 | 1089.4 | 1086.4 | 1061.2 | 1036.0 | 994.4  | 954.3  | 921.7  | 887.6  | 850.5  |
| 12.5°  | 1188.9 | 1188.9 | 1188.9 | 1166.6 | 1123.5 | 1083.5 | 1037.5 | 997.4  | 966.2  | 926.1  | 878.7  |
| 15°    | 1182.9 | 1188.9 | 1196.3 | 1230.4 | 1205.2 | 1160.7 | 1093.9 | 1031.5 | 979.6  | 929.1  | 905.4  |
| 17.5°  | 1285.3 | 1298.7 | 1295.7 | 1294.2 | 1297.2 | 1276.4 | 1193.3 | 1110.2 | 1043.4 | 973.6  | 869.7  |
| 20°    | 1395.2 | 1399.6 | 1399.6 | 1402.6 | 1367.0 | 1364.0 | 1295.7 | 1196.3 | 1114.6 | 981.1  | 881.6  |
| 22.5°  | 1445.6 | 1456.0 | 1448.6 | 1447.1 | 1386.3 | 1332.8 | 1312.0 | 1206.7 | 1082.0 | 929.1  | 817.8  |
| 25°    | 1591.1 | 1600.0 | 1582.2 | 1508.0 | 1413.0 | 1325.4 | 1273.5 | 1283.8 | 1041.9 | 927.6  | 850.5  |
| 27.5°  | 1602.9 | 1607.4 | 1614.8 | 1631.1 | 1554.0 | 1454.5 | 1328.4 | 1102.8 | 1070.1 | 1013.7 | 932.1  |
| 30°    | 1674.2 | 1680.1 | 1662.3 | 1711.3 | 1717.2 | 1548.0 | 1303.1 | 1102.8 | 1111.7 | 1052.3 | 1015.2 |
| 32.5°  | 1757.3 | 1769.2 | 1772.1 | 1784.0 | 1674.2 | 1576.2 | 1282.4 | 1174.0 | 1151.7 | 1119.1 | 1024.1 |
| 35°    | 1889.4 | 1898.3 | 1892.4 | 1751.4 | 1649.0 | 1509.4 | 1395.2 | 1280.9 | 1199.2 | 1199.2 | 997.4  |
| 37.5°  | 1837.5 | 1830.0 | 1843.4 | 1776.6 | 1692.0 | 1457.5 | 1436.7 | 1415.9 | 1312.0 | 1102.8 | 1092.4 |
| 40°    | 1697.9 | 1702.4 | 1699.4 | 1794.4 | 1620.8 | 1528.7 | 1490.1 | 1427.8 | 1291.3 | 1184.4 | 1168.1 |
| 42.5°  | 1657.9 | 1663.8 | 1680.1 | 1601.5 | 1562.9 | 1616.3 | 1496.1 | 1326.9 | 1297.2 | 1283.8 | 1166.6 |
| 45°    | 1638.6 | 1604.4 | 1573.3 | 1466.4 | 1438.2 | 1439.7 | 1433.7 | 1430.8 | 1377.3 | 1269.0 | 1070.1 |
| 47.5°  | 1328.4 | 1331.3 | 1349.1 | 1423.4 | 1402.6 | 1445.6 | 1417.4 | 1377.3 | 1323.9 | 1085.0 | 1019.7 |
| 50°    | 1239.3 | 1240.8 | 1264.5 | 1301.7 | 1364.0 | 1475.3 | 1459.0 | 1367.0 | 1277.9 | 1212.6 | 1139.9 |
| 52.5°  | 1199.2 | 1196.3 | 1206.7 | 1230.4 | 1291.3 | 1410.0 | 1404.1 | 1368.4 | 1340.2 | 1306.1 | 1209.6 |
| 55°    | 1120.6 | 1108.7 | 1129.5 | 1165.1 | 1218.5 | 1337.3 | 1396.6 | 1395.2 | 1390.7 | 1352.1 | 1266.0 |
| 57.5°  | 987.0  | 984.0  | 1000.4 | 1049.3 | 1129.5 | 1236.3 | 1338.8 | 1372.9 | 1386.3 | 1387.7 | 1320.9 |
| 60°    | 859.4  | 851.9  | 872.7  | 932.1  | 1000.4 | 1153.2 | 1263.1 | 1322.4 | 1371.4 | 1392.2 | 1372.9 |
| 62.5°  | 759.9  | 752.5  | 768.8  | 816.3  | 893.5  | 1028.6 | 1188.9 | 1298.7 | 1378.8 | 1398.1 | 1378.8 |
| 65°    | 679.8  | 679.8  | 682.7  | 727.3  | 791.1  | 880.1  | 1093.9 | 1218.5 | 1331.3 | 1369.9 | 1359.5 |
| 67.5°  | 602.6  | 611.5  | 610.0  | 654.5  | 699.1  | 795.5  | 924.7  | 1071.6 | 1246.7 | 1303.1 | 1298.7 |
| 70°    | 488.3  | 486.8  | 501.7  | 565.5  | 632.3  | 702.0  | 811.9  | 955.8  | 1083.5 | 1126.5 | 1138.4 |
| 72.5°  | 418.5  | 414.1  | 424.5  | 460.1  | 523.9  | 605.6  | 667.9  | 746.6  | 817.8  | 903.9  | 908.3  |
| 75°    | 345.8  | 342.9  | 351.8  | 380.0  | 417.1  | 463.1  | 492.8  | 552.1  | 614.5  | 675.3  | 670.9  |
| 77.5°  | 271.6  | 268.6  | 274.6  | 295.4  | 322.1  | 359.2  | 393.3  | 437.8  | 451.2  | 474.9  | 486.8  |
| 80°    | 209.3  | 206.3  | 213.7  | 244.9  | 261.2  | 277.5  | 285.0  | 302.8  | 308.7  | 338.4  | 369.6  |
| 82.5°  | 170.7  | 167.7  | 176.6  | 181.1  | 182.6  | 195.9  | 209.3  | 219.7  | 231.5  | 249.3  | 250.8  |
| 85°    | 120.2  | 120.2  | 124.7  | 129.1  | 133.6  | 144.0  | 155.8  | 164.7  | 175.1  | 185.5  | 192.9  |
| 87.5°  | 96.5   | 96.5   | 98.0   | 99.4   | 106.9  | 114.3  | 123.2  | 133.6  | 142.5  | 146.9  | 149.9  |
| 90°    | 83.1   | 84.6   | 84.6   | 86.1   | 87.6   | 90.5   | 95.0   | 102.4  | 106.9  | 109.8  | 111.3  |
| 92.5°  | 77.2   | 77.2   | 77.2   | 77.2   | 75.7   | 74.2   | 74.2   | 75.7   | 78.7   | 80.1   | 78.7   |
| 95°    | 74.2   | 74.2   | 74.2   | 71.2   | 72.7   | 71.2   | 66.8   | 63.8   | 60.9   | 60.9   | 59.4   |
| 97.5°  | 66.8   | 66.8   | 66.8   | 63.8   | 62.3   | 62.3   | 60.9   | 57.9   | 54.9   | 53.4   | 50.5   |
| 100°   | 54.9   | 54.9   | 54.9   | 54.9   | 57.9   | 59.4   | 57.9   | 57.9   | 56.4   | 53.4   | 51.9   |
| 102.5° | 50.5   | 50.5   | 50.5   | 51.9   | 56.4   | 62.3   | 65.3   | 65.3   | 62.3   | 60.9   | 59.4   |
| 105°   | 51.9   | 51.9   | 51.9   | 60.9   | 72.7   | 72.7   | 65.3   | 65.3   | 68.3   | 74.2   | 74.2   |
| 107.5° | 50.5   | 50.5   | 51.9   | 63.8   | 87.6   | 103.9  | 103.9  | 90.5   | 92.0   | 86.1   | 81.6   |
| 110°   | 50.5   | 50.5   | 50.5   | 54.9   | 60.9   | 71.2   | 95.0   | 114.3  | 132.1  | 132.1  | 127.6  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 2°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°   | 85°   |
|--------|------|------|------|------|------|------|------|------|------|-------|-------|
| 112.5° | 47.5 | 47.5 | 49.0 | 50.5 | 53.4 | 59.4 | 66.8 | 83.1 | 96.5 | 108.3 | 111.3 |
| 115°   | 47.5 | 47.5 | 47.5 | 49.0 | 51.9 | 56.4 | 62.3 | 71.2 | 78.7 | 84.6  | 80.1  |
| 117.5° | 46.0 | 46.0 | 47.5 | 46.0 | 47.5 | 51.9 | 56.4 | 59.4 | 60.9 | 57.9  | 50.5  |
| 120°   | 38.6 | 38.6 | 38.6 | 40.1 | 41.6 | 43.0 | 44.5 | 46.0 | 43.0 | 41.6  | 38.6  |
| 122.5° | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 37.1 | 37.1 | 38.6 | 37.1  | 37.1  |
| 125°   | 26.7 | 26.7 | 28.2 | 26.7 | 28.2 | 28.2 | 29.7 | 31.2 | 31.2 | 31.2  | 31.2  |
| 127.5° | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 25.2 | 26.7 | 26.7 | 25.2  | 25.2  |
| 130°   | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 22.3 | 22.3 | 22.3  | 20.8  |
| 132.5° | 22.3 | 20.8 | 22.3 | 20.8 | 20.8 | 20.8 | 19.3 | 20.8 | 20.8 | 20.8  | 19.3  |
| 135°   | 20.8 | 20.8 | 19.3 | 19.3 | 19.3 | 19.3 | 17.8 | 17.8 | 19.3 | 17.8  | 16.3  |
| 137.5° | 16.3 | 17.8 | 17.8 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 14.8 | 14.8  | 14.8  |
| 140°   | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 13.4 | 14.8 | 13.4 | 13.4 | 13.4  | 13.4  |
| 142.5° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 11.9 | 11.9  | 11.9  |
| 145°   | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9  | 10.4  |
| 147.5° | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 10.4 | 10.4 | 10.4 | 10.4  | 10.4  |
| 150°   | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4  | 8.9   |
| 152.5° | 8.9  | 8.9  | 8.9  | 8.9  | 8.9  | 8.9  | 8.9  | 8.9  | 8.9  | 8.9   | 8.9   |
| 155°   | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4   | 7.4   |
| 157.5° | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  | 5.9   | 5.9   |
| 160°   | 3.0  | 3.0  | 3.0  | 3.0  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5   | 4.5   |
| 162.5° | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0   | 3.0   |
| 165°   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0   | 3.0   |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   |
| 180°   | 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°     | 794.1  | 794.1  | 794.1  | 794.1  | 794.1 | 794.1 | 794.1 | 794.1 | 794.1 | 794.1 | 794.1 |
| 2.5°   | 791.1  | 789.6  | 792.6  | 792.6  | 788.1 | 783.7 | 780.7 | 777.7 | 777.7 | 779.2 | 779.2 |
| 5°     | 804.4  | 801.5  | 798.5  | 800.0  | 795.5 | 791.1 | 789.6 | 786.6 | 786.6 | 788.1 | 789.6 |
| 7.5°   | 820.8  | 816.3  | 814.8  | 813.3  | 810.4 | 807.4 | 805.9 | 804.4 | 804.4 | 805.9 | 807.4 |
| 10°    | 840.1  | 834.1  | 829.7  | 831.2  | 823.7 | 817.8 | 814.8 | 811.9 | 817.8 | 822.3 | 826.7 |
| 12.5°  | 865.3  | 859.4  | 844.5  | 837.1  | 813.3 | 803.0 | 797.0 | 797.0 | 801.5 | 803.0 | 805.9 |
| 15°    | 889.0  | 869.7  | 832.6  | 835.6  | 829.7 | 822.3 | 816.3 | 804.4 | 783.7 | 761.4 | 765.9 |
| 17.5°  | 840.1  | 846.0  | 860.8  | 860.8  | 856.4 | 847.5 | 831.2 | 798.5 | 773.3 | 765.9 | 768.8 |
| 20°    | 857.9  | 847.5  | 860.8  | 886.1  | 877.2 | 865.3 | 819.3 | 779.2 | 754.0 | 748.0 | 748.0 |
| 22.5°  | 792.6  | 779.2  | 797.0  | 846.0  | 853.4 | 798.5 | 728.7 | 715.4 | 722.8 | 721.3 | 721.3 |
| 25°    | 819.3  | 801.5  | 782.2  | 792.6  | 838.6 | 737.7 | 708.0 | 687.2 | 687.2 | 710.9 | 722.8 |
| 27.5°  | 893.5  | 869.7  | 834.1  | 770.3  | 702.0 | 727.3 | 719.8 | 699.1 | 685.7 | 656.0 | 636.7 |
| 30°    | 970.7  | 939.5  | 826.7  | 774.8  | 672.3 | 690.2 | 699.1 | 703.5 | 651.6 | 618.9 | 617.4 |
| 32.5°  | 995.9  | 933.6  | 872.7  | 761.4  | 694.6 | 662.0 | 679.8 | 633.8 | 626.3 | 610.0 | 608.5 |
| 35°    | 945.4  | 915.8  | 915.8  | 788.1  | 721.3 | 667.9 | 615.9 | 602.6 | 590.7 | 614.5 | 614.5 |
| 37.5°  | 1043.4 | 991.5  | 831.2  | 825.2  | 752.5 | 656.0 | 601.1 | 608.5 | 584.8 | 574.4 | 580.3 |
| 40°    | 1141.4 | 1040.4 | 881.6  | 807.4  | 736.2 | 673.8 | 623.4 | 589.2 | 578.8 | 523.9 | 518.0 |
| 42.5°  | 1061.2 | 1041.9 | 942.5  | 782.2  | 719.8 | 705.0 | 663.4 | 608.5 | 537.3 | 529.9 | 534.3 |
| 45°    | 1012.2 | 966.2  | 917.2  | 832.6  | 761.4 | 736.2 | 660.5 | 599.6 | 552.1 | 535.8 | 532.8 |
| 47.5°  | 985.5  | 926.1  | 846.0  | 825.2  | 764.4 | 740.6 | 740.6 | 624.9 | 558.1 | 518.0 | 513.5 |
| 50°    | 1099.8 | 1050.8 | 944.0  | 850.5  | 805.9 | 783.7 | 820.8 | 667.9 | 583.3 | 537.3 | 528.4 |
| 52.5°  | 1165.1 | 1111.7 | 1016.7 | 917.2  | 841.5 | 814.8 | 862.3 | 712.4 | 621.9 | 583.3 | 572.9 |
| 55°    | 1220.0 | 1171.0 | 1059.7 | 967.7  | 886.1 | 851.9 | 865.3 | 755.5 | 667.9 | 633.8 | 635.2 |
| 57.5°  | 1289.8 | 1237.8 | 1102.8 | 1000.4 | 915.8 | 881.6 | 862.3 | 792.6 | 703.5 | 679.8 | 678.3 |
| 60°    | 1364.0 | 1303.1 | 1163.6 | 1027.1 | 936.5 | 900.9 | 892.0 | 831.2 | 725.8 | 694.6 | 684.2 |
| 62.5°  | 1353.6 | 1316.5 | 1217.1 | 1076.1 | 973.6 | 924.7 | 887.6 | 813.3 | 745.1 | 703.5 | 679.8 |
| 65°    | 1328.4 | 1298.7 | 1200.7 | 1053.8 | 949.9 | 890.5 | 805.9 | 756.9 | 727.3 | 687.2 | 691.6 |
| 67.5°  | 1279.4 | 1240.8 | 1129.5 | 987.0  | 859.4 | 759.9 | 691.6 | 630.8 | 635.2 | 635.2 | 644.1 |
| 70°    | 1090.9 | 1080.5 | 954.3  | 856.4  | 762.9 | 672.3 | 590.7 | 544.7 | 515.0 | 479.4 | 474.9 |
| 72.5°  | 868.3  | 859.4  | 754.0  | 660.5  | 617.4 | 575.9 | 526.9 | 445.3 | 396.3 | 369.6 | 368.1 |
| 75°    | 642.7  | 635.2  | 586.3  | 525.4  | 486.8 | 451.2 | 411.1 | 357.7 | 319.1 | 305.7 | 302.8 |
| 77.5°  | 467.5  | 449.7  | 433.4  | 420.0  | 412.6 | 378.5 | 328.0 | 289.4 | 270.1 | 262.7 | 261.2 |
| 80°    | 356.2  | 339.9  | 323.6  | 308.7  | 313.2 | 298.3 | 271.6 | 252.3 | 240.4 | 234.5 | 234.5 |
| 82.5°  | 244.9  | 241.9  | 239.0  | 233.0  | 239.0 | 224.1 | 210.8 | 198.9 | 213.7 | 225.6 | 227.1 |
| 85°    | 192.9  | 191.5  | 192.9  | 182.6  | 182.6 | 166.2 | 161.8 | 151.4 | 148.4 | 148.4 | 146.9 |
| 87.5°  | 149.9  | 151.4  | 154.4  | 144.0  | 141.0 | 130.6 | 124.7 | 120.2 | 115.8 | 111.3 | 112.8 |
| 90°    | 111.3  | 112.8  | 112.8  | 105.4  | 102.4 | 95.0  | 90.5  | 87.6  | 83.1  | 78.7  | 78.7  |
| 92.5°  | 78.7   | 78.7   | 78.7   | 74.2   | 72.7  | 68.3  | 65.3  | 63.8  | 63.8  | 63.8  | 63.8  |
| 95°    | 59.4   | 59.4   | 57.9   | 54.9   | 53.4  | 51.9  | 53.4  | 51.9  | 50.5  | 44.5  | 46.0  |
| 97.5°  | 49.0   | 47.5   | 47.5   | 46.0   | 44.5  | 43.0  | 40.1  | 35.6  | 31.2  | 25.2  | 26.7  |
| 100°   | 50.5   | 49.0   | 47.5   | 47.5   | 44.5  | 35.6  | 29.7  | 25.2  | 20.8  | 16.3  | 16.3  |
| 102.5° | 59.4   | 57.9   | 53.4   | 50.5   | 46.0  | 37.1  | 28.2  | 22.3  | 17.8  | 10.4  | 10.4  |
| 105°   | 71.2   | 68.3   | 59.4   | 54.9   | 47.5  | 37.1  | 29.7  | 23.7  | 16.3  | 7.4   | 5.9   |
| 107.5° | 78.7   | 71.2   | 65.3   | 62.3   | 62.3  | 54.9  | 44.5  | 26.7  | 13.4  | 5.9   | 3.0   |
| 110°   | 124.7  | 117.3  | 102.4  | 93.5   | 83.1  | 63.8  | 37.1  | 20.8  | 8.9   | 4.5   | 3.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|------|------|------|------|------|------|------|------|------|
| 112.5° | 109.8 | 105.4 | 90.5 | 72.7 | 54.9 | 38.6 | 22.3 | 14.8 | 8.9  | 3.0  | 3.0  |
| 115°   | 74.2  | 68.3  | 53.4 | 44.5 | 34.1 | 25.2 | 17.8 | 13.4 | 8.9  | 4.5  | 1.5  |
| 117.5° | 46.0  | 43.0  | 37.1 | 31.2 | 28.2 | 22.3 | 16.3 | 11.9 | 5.9  | 1.5  | 0.0  |
| 120°   | 37.1  | 35.6  | 31.2 | 28.2 | 22.3 | 19.3 | 13.4 | 10.4 | 4.5  | 0.0  | 0.0  |
| 122.5° | 34.1  | 32.7  | 28.2 | 23.7 | 20.8 | 16.3 | 11.9 | 7.4  | 3.0  | 1.5  | 0.0  |
| 125°   | 29.7  | 29.7  | 26.7 | 22.3 | 19.3 | 16.3 | 10.4 | 5.9  | 1.5  | 1.5  | 1.5  |
| 127.5° | 23.7  | 23.7  | 20.8 | 19.3 | 14.8 | 11.9 | 8.9  | 5.9  | 1.5  | 1.5  | 1.5  |
| 130°   | 20.8  | 19.3  | 17.8 | 14.8 | 11.9 | 8.9  | 7.4  | 4.5  | 1.5  | 1.5  | 1.5  |
| 132.5° | 19.3  | 17.8  | 14.8 | 13.4 | 10.4 | 7.4  | 5.9  | 4.5  | 1.5  | 1.5  | 1.5  |
| 135°   | 16.3  | 14.8  | 13.4 | 11.9 | 8.9  | 7.4  | 5.9  | 3.0  | 1.5  | 1.5  | 1.5  |
| 137.5° | 13.4  | 13.4  | 11.9 | 10.4 | 7.4  | 7.4  | 5.9  | 3.0  | 1.5  | 1.5  | 1.5  |
| 140°   | 11.9  | 11.9  | 10.4 | 8.9  | 7.4  | 5.9  | 4.5  | 3.0  | 1.5  | 1.5  | 1.5  |
| 142.5° | 10.4  | 10.4  | 8.9  | 7.4  | 5.9  | 4.5  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  |
| 145°   | 10.4  | 10.4  | 8.9  | 7.4  | 5.9  | 4.5  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  |
| 147.5° | 8.9   | 8.9   | 8.9  | 7.4  | 4.5  | 4.5  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  |
| 150°   | 8.9   | 8.9   | 7.4  | 5.9  | 4.5  | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  |
| 152.5° | 7.4   | 7.4   | 7.4  | 5.9  | 4.5  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 155°   | 7.4   | 5.9   | 5.9  | 4.5  | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 157.5° | 5.9   | 5.9   | 4.5  | 4.5  | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 160°   | 4.5   | 4.5   | 4.5  | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 162.5° | 3.0   | 3.0   | 3.0  | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 165°   | 3.0   | 3.0   | 3.0  | 3.0  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
| 167.5° | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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)