

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: P415669

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415669  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4501 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

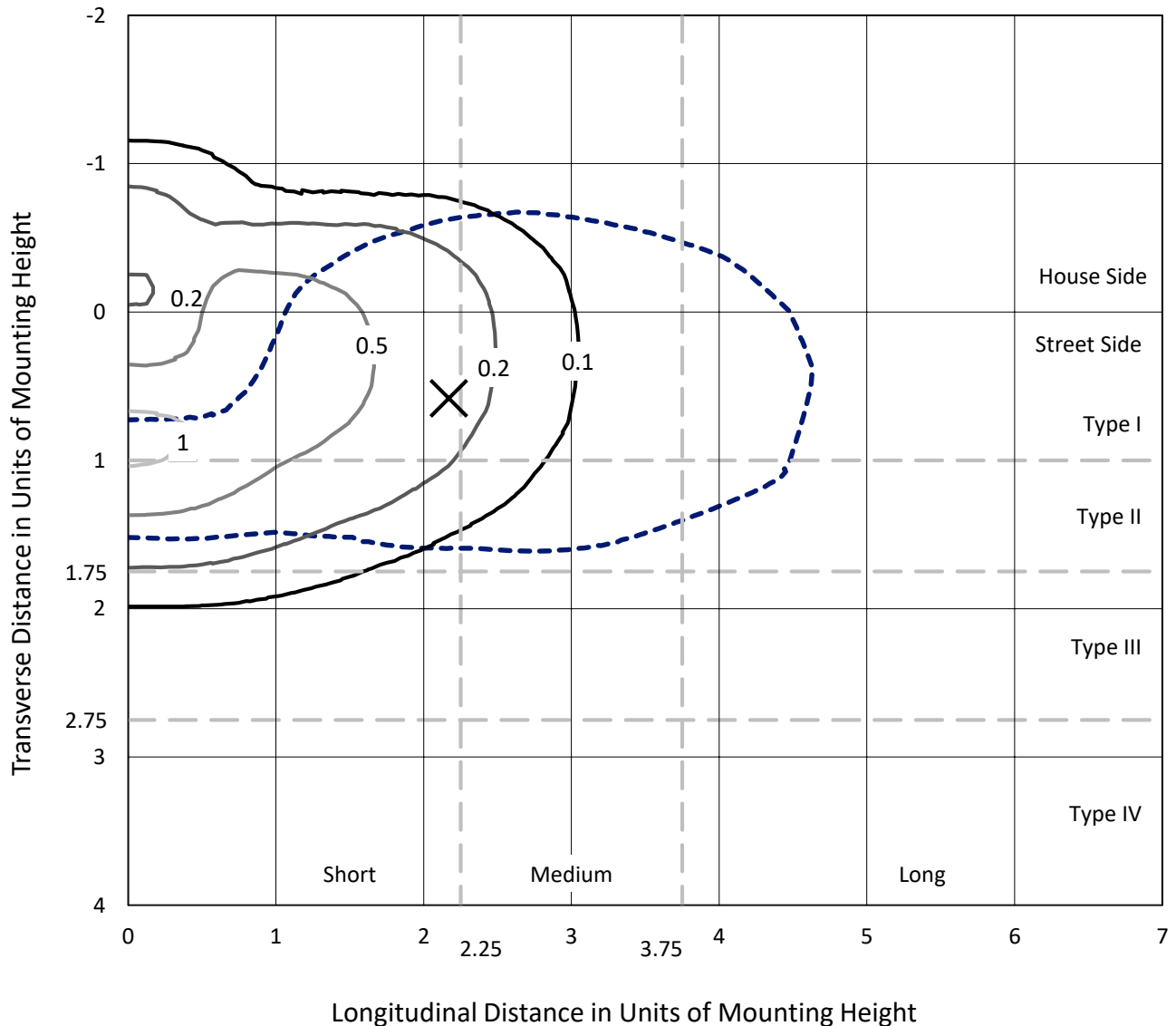
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

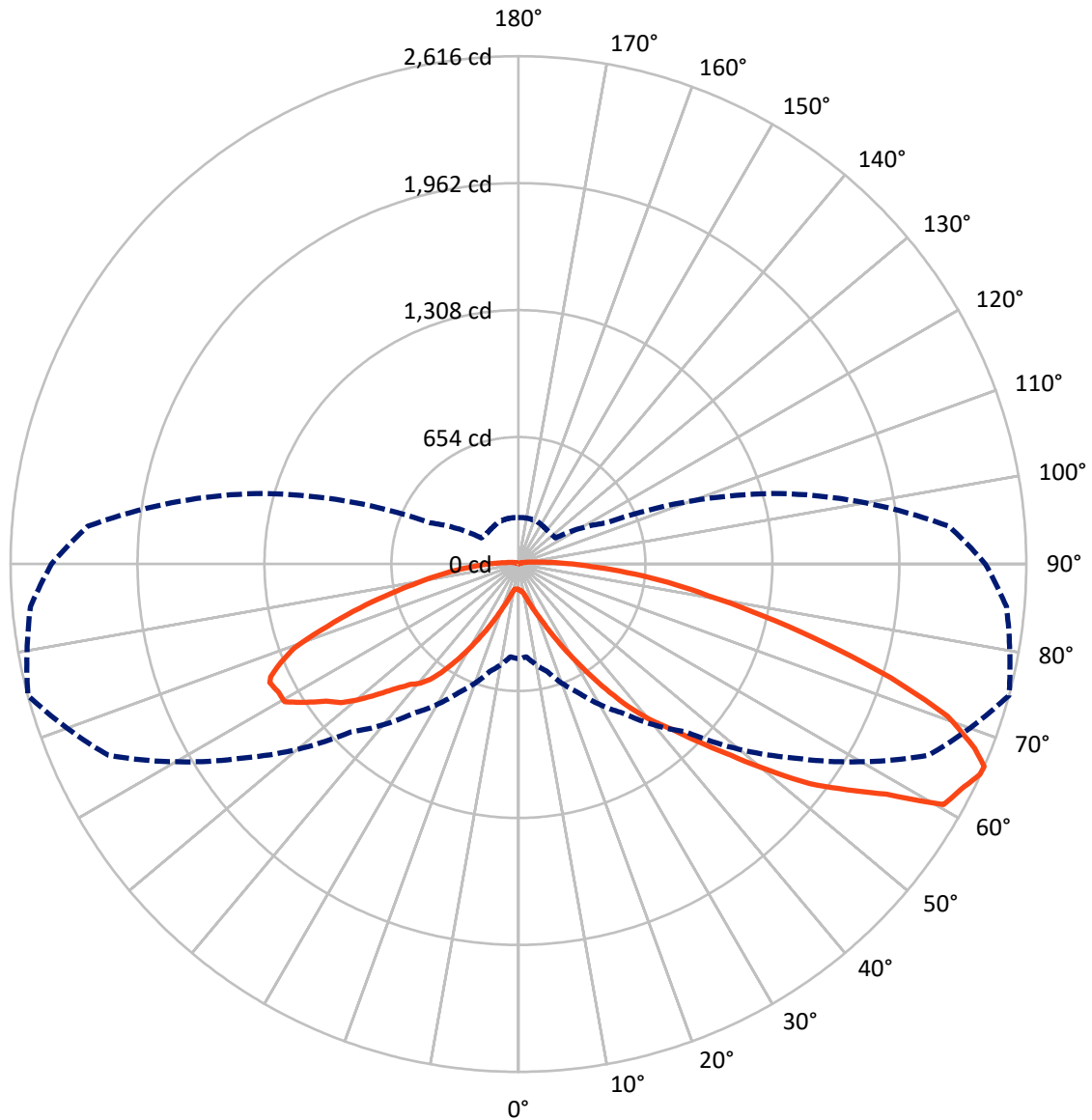
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1278.4   | 62.4   | 1340.8 |
|                    | % Fixture | 28.4     | 1.4    | 29.8   |
| <b>Street Side</b> | Lumens    | 3098.5   | 61.7   | 3160.2 |
|                    | % Fixture | 68.8     | 1.4    | 70.2   |
| <b>Total</b>       | Lumens    | 4376.9   | 124.1  | 4501.0 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 13.4   | 0.3       |
| 10°-20°   | 56.5   | 1.3       |
| 20°-30°   | 171.5  | 3.8       |
| 30°-40°   | 424.3  | 9.4       |
| 40°-50°   | 766.2  | 17.0      |
| 50°-60°   | 1035.3 | 23.0      |
| 60°-70°   | 1039.2 | 23.1      |
| 70°-80°   | 627.7  | 13.9      |
| 80°-90°   | 242.7  | 5.4       |
| 90°-100°  | 72.1   | 1.6       |
| 100°-110° | 26.0   | 0.6       |
| 110°-120° | 12.6   | 0.3       |
| 120°-130° | 7.4    | 0.2       |
| 130°-140° | 4.4    | 0.1       |
| 140°-150° | 1.4    | 0.0       |
| 150°-160° | 0.2    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 4376.9 | 97.2      |
| 0°-180°   | 4501.0 | 100.0     |



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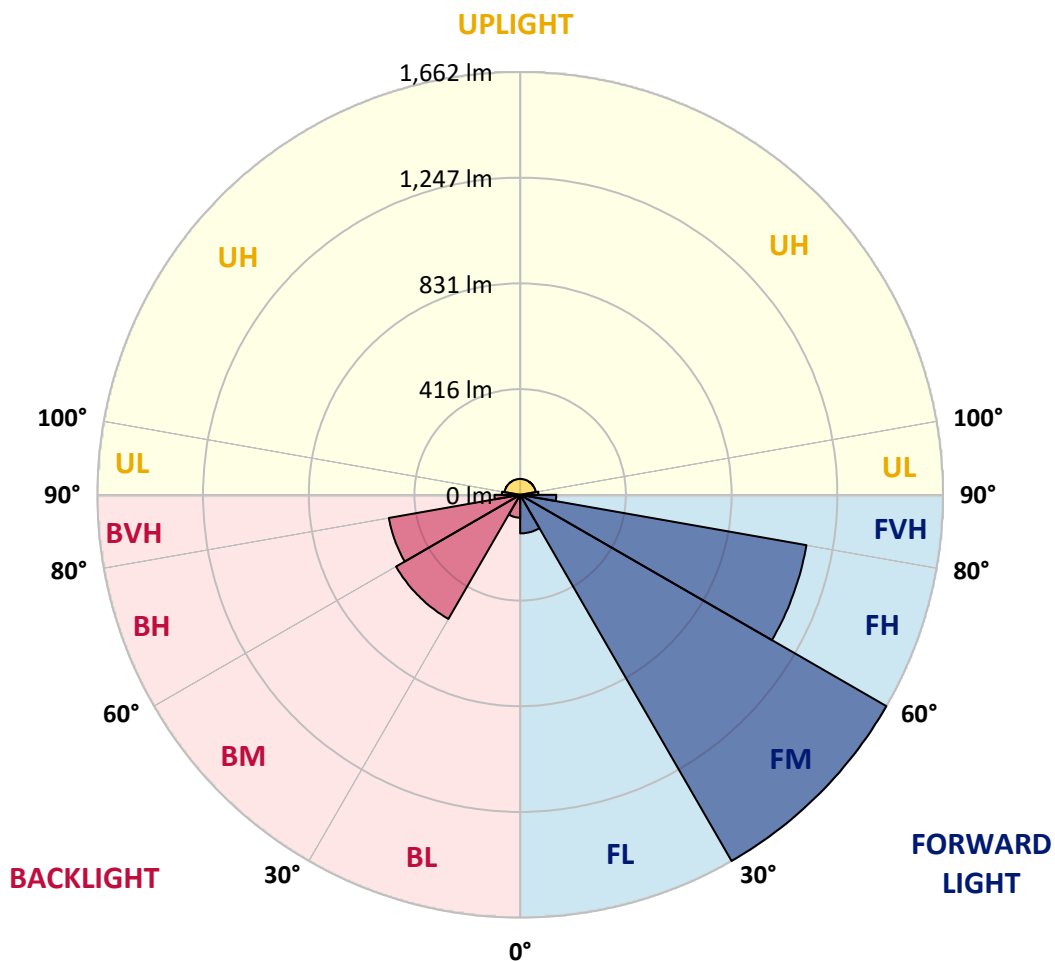
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 151.6  | 3.4       |                         |        |         |
| FM (30°-60°)   | 1662.3 | 36.9      |                         |        |         |
| FH (60°-80°)   | 1142.8 | 25.4      |                         |        | G1/1800 |
| FVH (80°-90°)  | 141.7  | 3.1       |                         |        | G2/225  |
| BL (0°-30°)    | 89.9   | 2.0       | B0/110                  |        |         |
| BM (30°-60°)   | 563.5  | 12.5      | B1/1000                 |        |         |
| BH (60°-80°)   | 524.1  | 11.6      | B2/1000                 |        | G2/1000 |
| BVH (80°-90°)  | 100.9  | 2.2       |                         |        | G2/225  |
| UL (90°-100°)  | 72.1   | 1.6       |                         | U3/500 |         |
| UH (100°-180°) | 62.4   | 1.4       |                         | U3/500 |         |

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 76°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  | 132.9  |
| 2.5°   | 146.4  | 145.3  | 144.3  | 143.3  | 142.2  | 141.2  | 139.1  | 136.5  | 134.4  | 134.4  | 132.4  |
| 5°     | 159.9  | 158.8  | 157.3  | 155.2  | 153.1  | 151.0  | 146.9  | 142.7  | 138.6  | 138.6  | 135.0  |
| 7.5°   | 176.5  | 176.0  | 173.9  | 171.3  | 166.6  | 161.9  | 156.8  | 150.5  | 144.8  | 144.3  | 139.6  |
| 10°    | 197.8  | 196.7  | 193.6  | 190.0  | 184.8  | 178.6  | 171.3  | 163.5  | 155.2  | 154.7  | 149.0  |
| 12.5°  | 227.4  | 225.3  | 220.1  | 214.4  | 204.5  | 198.3  | 190.0  | 182.7  | 176.5  | 174.9  | 167.1  |
| 15°    | 265.8  | 263.2  | 257.5  | 247.6  | 234.6  | 223.2  | 218.5  | 210.7  | 204.0  | 201.9  | 194.6  |
| 17.5°  | 315.1  | 312.5  | 302.6  | 287.0  | 273.5  | 262.1  | 251.7  | 244.0  | 238.3  | 237.7  | 227.4  |
| 20°    | 382.6  | 376.3  | 360.2  | 338.4  | 320.8  | 306.8  | 292.2  | 283.4  | 277.7  | 275.6  | 269.4  |
| 22.5°  | 465.6  | 464.0  | 441.2  | 412.7  | 383.6  | 358.2  | 342.1  | 332.2  | 328.0  | 328.6  | 324.9  |
| 25°    | 571.5  | 566.8  | 545.0  | 503.5  | 459.9  | 427.7  | 405.4  | 399.2  | 398.6  | 395.0  | 393.5  |
| 27.5°  | 684.6  | 678.4  | 649.9  | 609.9  | 552.3  | 508.7  | 483.8  | 477.0  | 478.6  | 474.4  | 477.5  |
| 30°    | 823.2  | 820.1  | 778.6  | 720.5  | 658.2  | 601.1  | 575.1  | 569.4  | 573.0  | 578.2  | 575.1  |
| 32.5°  | 994.5  | 999.2  | 942.6  | 864.2  | 777.0  | 711.1  | 682.6  | 680.5  | 685.7  | 684.6  | 683.1  |
| 35°    | 1203.2 | 1211.5 | 1133.1 | 1038.1 | 918.2  | 839.8  | 804.0  | 801.4  | 811.8  | 810.8  | 811.8  |
| 37.5°  | 1426.4 | 1430.0 | 1366.2 | 1215.6 | 1076.0 | 967.5  | 937.9  | 934.8  | 944.7  | 939.0  | 933.3  |
| 40°    | 1602.4 | 1619.5 | 1544.7 | 1415.5 | 1233.3 | 1122.7 | 1086.9 | 1069.8 | 1061.0 | 1054.7 | 1013.2 |
| 42.5°  | 1769.0 | 1758.6 | 1705.6 | 1561.9 | 1394.7 | 1274.3 | 1226.5 | 1194.4 | 1165.8 | 1161.7 | 1116.0 |
| 45°    | 1878.0 | 1865.0 | 1814.6 | 1681.8 | 1525.0 | 1425.4 | 1381.2 | 1342.3 | 1310.1 | 1295.6 | 1240.6 |
| 47.5°  | 1884.2 | 1878.0 | 1866.0 | 1766.4 | 1629.3 | 1542.7 | 1528.1 | 1507.4 | 1472.1 | 1472.6 | 1402.0 |
| 50°    | 1789.2 | 1779.4 | 1814.1 | 1776.2 | 1681.2 | 1635.6 | 1690.6 | 1713.4 | 1668.3 | 1663.6 | 1590.4 |
| 52.5°  | 1621.0 | 1615.8 | 1679.2 | 1716.5 | 1682.8 | 1700.5 | 1831.3 | 1914.3 | 1879.0 | 1860.3 | 1765.9 |
| 55°    | 1450.8 | 1457.0 | 1512.0 | 1572.2 | 1627.8 | 1719.1 | 1955.8 | 2121.4 | 2051.9 | 2039.4 | 1921.6 |
| 57.5°  | 1218.8 | 1239.5 | 1321.5 | 1416.0 | 1503.2 | 1693.2 | 2021.2 | 2252.7 | 2235.1 | 2230.4 | 2129.7 |
| 60°    | 964.4  | 962.3  | 1083.8 | 1221.4 | 1364.6 | 1607.5 | 2024.9 | 2417.8 | 2515.9 | 2493.6 | 2351.4 |
| 62.5°  | 749.0  | 754.2  | 841.4  | 1013.7 | 1205.8 | 1477.3 | 1975.0 | 2491.5 | 2556.9 | 2531.5 | 2407.4 |
| 65°    | 542.4  | 550.7  | 657.1  | 796.2  | 1013.2 | 1301.3 | 1833.3 | 2391.3 | 2612.5 | 2596.9 | 2526.8 |
| 66°    | 487.4  | 480.1  | 573.6  | 731.4  | 937.4  | 1223.4 | 1744.1 | 2330.6 | 2615.6 | 2606.7 | 2523.2 |
| 67.5°  | 391.9  | 401.2  | 473.4  | 610.9  | 815.5  | 1099.4 | 1582.6 | 2233.5 | 2534.6 | 2522.7 | 2466.6 |
| 70°    | 290.2  | 299.0  | 348.3  | 458.3  | 618.7  | 876.7  | 1308.6 | 1929.4 | 2343.6 | 2352.4 | 2346.2 |
| 72.5°  | 214.9  | 224.2  | 258.0  | 337.4  | 457.8  | 651.9  | 1037.1 | 1626.2 | 2004.1 | 2024.9 | 2010.3 |
| 75°    | 167.1  | 170.8  | 198.8  | 254.3  | 334.8  | 459.4  | 767.2  | 1260.3 | 1631.4 | 1669.8 | 1683.3 |
| 77.5°  | 134.4  | 137.6  | 160.4  | 196.2  | 250.7  | 335.3  | 537.8  | 939.5  | 1291.4 | 1318.4 | 1343.9 |
| 80°    | 108.5  | 110.6  | 129.2  | 157.8  | 192.1  | 239.8  | 362.8  | 682.6  | 990.9  | 1006.5 | 1043.8 |
| 82.5°  | 87.2   | 88.8   | 102.3  | 126.7  | 153.6  | 182.2  | 258.0  | 476.5  | 778.1  | 792.6  | 839.8  |
| 85°    | 68.5   | 69.6   | 81.5   | 100.7  | 123.5  | 144.3  | 186.3  | 336.9  | 560.6  | 574.1  | 631.2  |
| 87.5°  | 54.0   | 55.0   | 64.4   | 78.4   | 99.7   | 114.2  | 137.6  | 226.8  | 378.4  | 397.6  | 462.5  |
| 90°    | 42.6   | 43.1   | 49.8   | 60.7   | 77.3   | 92.9   | 108.0  | 158.3  | 252.3  | 263.2  | 299.5  |
| 92.5°  | 32.2   | 32.7   | 37.9   | 46.2   | 60.2   | 73.7   | 82.5   | 109.5  | 161.4  | 166.1  | 192.1  |
| 95°    | 23.9   | 24.4   | 28.5   | 33.7   | 45.2   | 57.6   | 63.8   | 76.8   | 101.7  | 108.0  | 114.7  |
| 97.5°  | 18.7   | 19.2   | 21.8   | 24.9   | 33.2   | 45.2   | 50.9   | 56.6   | 69.6   | 71.6   | 76.8   |
| 100°   | 16.1   | 16.1   | 17.6   | 19.7   | 24.9   | 35.3   | 40.0   | 44.6   | 52.4   | 52.4   | 55.5   |
| 102.5° | 13.5   | 13.5   | 14.5   | 15.6   | 20.2   | 28.0   | 32.2   | 35.3   | 39.4   | 40.0   | 42.6   |
| 105°   | 11.9   | 11.9   | 12.5   | 13.5   | 17.1   | 22.8   | 26.5   | 28.0   | 30.6   | 30.6   | 31.7   |
| 107.5° | 10.4   | 10.4   | 10.9   | 11.4   | 15.1   | 19.2   | 21.3   | 21.8   | 22.8   | 22.8   | 24.4   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15° | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 76°  | 85°  |
|--------|------|------|-----|------|------|------|------|------|------|------|------|
| 110°   | 9.9  | 9.9  | 9.9 | 10.4 | 13.0 | 16.6 | 17.6 | 17.1 | 17.6 | 17.6 | 19.2 |
| 112.5° | 9.3  | 8.8  | 8.8 | 9.3  | 11.9 | 14.5 | 14.5 | 14.0 | 14.0 | 14.0 | 15.6 |
| 115°   | 8.8  | 8.8  | 8.3 | 8.8  | 10.9 | 12.5 | 12.5 | 11.4 | 11.4 | 11.4 | 13.0 |
| 117.5° | 8.8  | 8.8  | 8.3 | 8.3  | 9.9  | 11.4 | 10.9 | 9.9  | 9.3  | 9.9  | 11.4 |
| 120°   | 8.8  | 8.8  | 7.8 | 7.8  | 9.3  | 9.9  | 9.9  | 8.3  | 8.3  | 8.3  | 9.9  |
| 122.5° | 8.8  | 8.8  | 7.8 | 7.8  | 8.8  | 9.3  | 8.8  | 7.3  | 7.3  | 7.3  | 8.8  |
| 125°   | 9.3  | 8.8  | 7.8 | 7.8  | 8.3  | 8.3  | 7.8  | 6.7  | 6.2  | 6.2  | 7.8  |
| 127.5° | 9.3  | 9.3  | 8.3 | 7.8  | 7.8  | 7.8  | 7.3  | 6.2  | 5.7  | 5.7  | 7.3  |
| 130°   | 10.4 | 9.9  | 8.8 | 7.8  | 7.3  | 6.7  | 6.2  | 5.7  | 5.7  | 5.7  | 6.7  |
| 132.5° | 10.4 | 10.4 | 8.8 | 7.3  | 6.7  | 6.2  | 5.7  | 4.7  | 5.2  | 5.2  | 6.2  |
| 135°   | 9.9  | 9.3  | 7.8 | 6.7  | 6.2  | 5.2  | 4.7  | 4.2  | 4.7  | 4.7  | 5.7  |
| 137.5° | 8.8  | 8.3  | 7.3 | 5.7  | 5.2  | 4.2  | 3.6  | 3.1  | 3.6  | 3.6  | 4.7  |
| 140°   | 7.3  | 7.3  | 5.7 | 4.7  | 4.2  | 3.6  | 3.1  | 2.1  | 2.6  | 3.1  | 3.6  |
| 142.5° | 6.2  | 5.7  | 4.7 | 3.6  | 3.1  | 2.6  | 2.1  | 1.6  | 2.1  | 2.1  | 2.6  |
| 145°   | 5.2  | 4.7  | 3.6 | 2.6  | 2.1  | 1.6  | 1.0  | 1.0  | 1.0  | 1.0  | 1.6  |
| 147.5° | 4.2  | 3.6  | 2.6 | 1.6  | 1.0  | 1.0  | 0.5  | 0.5  | 1.0  | 1.0  | 1.0  |
| 150°   | 3.1  | 3.1  | 2.1 | 1.0  | 0.5  | 0.5  | 0.0  | 0.5  | 0.5  | 0.5  | 0.5  |
| 152.5° | 2.6  | 2.6  | 1.6 | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.5  | 0.5  | 0.5  |
| 155°   | 1.6  | 1.6  | 1.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.0  | 1.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.5  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 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°     | 132.9  | 132.9  | 132.9  | 132.9 | 132.9 | 132.9 | 132.9 | 132.9 | 132.9 | 132.9 | 132.9 |
| 2.5°   | 131.8  | 130.8  | 129.8  | 128.7 | 127.7 | 127.2 | 125.6 | 124.6 | 124.6 | 124.6 | 124.1 |
| 5°     | 133.4  | 131.3  | 128.7  | 126.7 | 124.1 | 122.0 | 120.4 | 118.9 | 117.8 | 117.8 | 117.8 |
| 7.5°   | 137.0  | 135.0  | 130.3  | 126.1 | 122.5 | 119.4 | 117.3 | 115.8 | 115.2 | 114.7 | 114.7 |
| 10°    | 145.3  | 141.7  | 135.5  | 129.2 | 124.1 | 119.9 | 117.8 | 116.8 | 116.3 | 116.3 | 116.3 |
| 12.5°  | 164.0  | 158.8  | 149.5  | 139.1 | 130.3 | 124.1 | 122.0 | 122.0 | 125.1 | 126.7 | 126.7 |
| 15°    | 188.9  | 184.3  | 173.4  | 158.8 | 144.8 | 134.4 | 132.9 | 136.5 | 140.7 | 142.7 | 142.2 |
| 17.5°  | 223.2  | 217.0  | 202.4  | 183.2 | 164.5 | 154.2 | 149.5 | 153.1 | 158.3 | 160.9 | 160.9 |
| 20°    | 263.7  | 257.5  | 237.7  | 211.8 | 188.9 | 177.5 | 170.3 | 170.3 | 177.0 | 179.1 | 180.1 |
| 22.5°  | 319.2  | 309.9  | 281.9  | 246.0 | 216.4 | 198.8 | 190.0 | 188.4 | 196.2 | 199.8 | 198.8 |
| 25°    | 381.5  | 374.2  | 341.5  | 288.1 | 249.7 | 221.1 | 209.2 | 209.2 | 219.0 | 227.4 | 227.9 |
| 27.5°  | 468.7  | 450.5  | 404.9  | 339.5 | 281.9 | 241.9 | 228.9 | 231.5 | 241.9 | 250.2 | 250.2 |
| 30°    | 560.1  | 547.1  | 480.1  | 394.0 | 313.0 | 261.1 | 242.4 | 246.6 | 255.9 | 265.2 | 265.2 |
| 32.5°  | 670.6  | 648.8  | 566.3  | 448.0 | 341.5 | 273.5 | 249.7 | 255.4 | 266.3 | 275.6 | 275.6 |
| 35°    | 778.6  | 760.9  | 653.0  | 504.5 | 366.5 | 278.7 | 252.8 | 259.5 | 272.0 | 283.4 | 284.4 |
| 37.5°  | 904.2  | 865.8  | 737.6  | 555.4 | 384.6 | 279.8 | 251.7 | 263.7 | 280.3 | 293.3 | 293.8 |
| 40°    | 979.5  | 933.3  | 794.7  | 593.3 | 392.9 | 276.1 | 251.7 | 266.8 | 280.8 | 285.5 | 285.0 |
| 42.5°  | 1068.8 | 1010.6 | 834.7  | 598.0 | 382.6 | 268.9 | 251.2 | 263.2 | 269.4 | 269.4 | 268.9 |
| 45°    | 1188.7 | 1123.3 | 898.0  | 600.6 | 361.3 | 260.1 | 247.1 | 254.9 | 253.3 | 248.6 | 247.1 |
| 47.5°  | 1335.6 | 1256.1 | 978.4  | 609.9 | 340.5 | 251.2 | 242.4 | 244.5 | 237.2 | 226.8 | 226.3 |
| 50°    | 1511.0 | 1417.6 | 1072.9 | 619.8 | 322.3 | 244.0 | 238.3 | 236.2 | 228.9 | 220.1 | 219.0 |
| 52.5°  | 1675.5 | 1562.9 | 1158.6 | 626.5 | 307.3 | 239.3 | 235.1 | 234.6 | 227.4 | 215.9 | 214.9 |
| 55°    | 1824.5 | 1689.6 | 1216.2 | 613.5 | 293.8 | 237.2 | 235.1 | 235.7 | 226.3 | 214.9 | 213.3 |
| 57.5°  | 2039.9 | 1892.0 | 1307.5 | 594.3 | 277.7 | 236.7 | 236.7 | 237.2 | 225.8 | 214.9 | 213.3 |
| 60°    | 2227.3 | 2062.8 | 1397.3 | 592.8 | 262.1 | 236.2 | 237.2 | 236.7 | 228.4 | 221.6 | 220.1 |
| 62.5°  | 2291.7 | 2134.9 | 1401.5 | 555.4 | 252.3 | 233.6 | 235.1 | 237.7 | 236.2 | 233.1 | 231.5 |
| 65°    | 2413.1 | 2241.8 | 1419.1 | 513.4 | 238.3 | 228.9 | 232.5 | 239.3 | 240.3 | 238.3 | 236.7 |
| 66°    | 2404.3 | 2226.8 | 1402.0 | 500.4 | 233.6 | 226.3 | 231.0 | 238.3 | 240.3 | 239.8 | 238.8 |
| 67.5°  | 2360.7 | 2187.9 | 1345.4 | 463.5 | 226.8 | 221.6 | 228.4 | 235.7 | 240.3 | 241.9 | 240.8 |
| 70°    | 2242.9 | 2070.5 | 1232.8 | 408.0 | 213.9 | 210.7 | 220.1 | 229.4 | 237.2 | 239.8 | 239.3 |
| 72.5°  | 1911.2 | 1747.2 | 1031.4 | 348.3 | 195.7 | 195.2 | 206.1 | 217.5 | 226.8 | 229.4 | 228.4 |
| 75°    | 1604.4 | 1443.0 | 847.1  | 287.0 | 177.0 | 177.5 | 187.9 | 198.8 | 206.1 | 206.1 | 206.6 |
| 77.5°  | 1286.2 | 1149.7 | 671.2  | 238.3 | 157.8 | 157.8 | 165.1 | 173.9 | 178.6 | 176.5 | 173.4 |
| 80°    | 989.3  | 899.0  | 524.3  | 199.3 | 138.6 | 137.6 | 141.2 | 147.9 | 151.6 | 146.9 | 143.3 |
| 82.5°  | 798.8  | 721.0  | 414.7  | 166.1 | 119.9 | 118.9 | 120.4 | 125.1 | 127.2 | 122.0 | 120.4 |
| 85°    | 606.3  | 536.2  | 312.0  | 136.5 | 103.8 | 101.2 | 103.8 | 104.9 | 107.4 | 102.8 | 99.7  |
| 87.5°  | 428.7  | 380.0  | 226.3  | 113.7 | 88.8  | 87.2  | 86.7  | 87.7  | 89.3  | 86.2  | 84.6  |
| 90°    | 288.1  | 252.8  | 163.5  | 95.0  | 75.8  | 73.2  | 72.1  | 72.1  | 73.2  | 68.0  | 66.4  |
| 92.5°  | 184.8  | 163.5  | 113.7  | 75.8  | 63.3  | 60.2  | 58.1  | 58.7  | 58.1  | 52.9  | 51.9  |
| 95°    | 115.2  | 104.3  | 82.0   | 59.7  | 50.9  | 48.3  | 46.2  | 45.7  | 45.2  | 41.5  | 40.5  |
| 97.5°  | 75.3   | 71.6   | 61.2   | 47.2  | 40.5  | 38.4  | 37.4  | 36.9  | 36.9  | 34.3  | 32.7  |
| 100°   | 56.1   | 54.5   | 48.3   | 39.4  | 33.2  | 31.7  | 30.6  | 30.6  | 31.7  | 29.6  | 28.5  |
| 102.5° | 43.6   | 44.1   | 39.4   | 33.2  | 28.0  | 27.0  | 26.0  | 26.0  | 27.0  | 26.0  | 25.4  |
| 105°   | 33.2   | 33.2   | 32.2   | 27.5  | 23.9  | 23.4  | 22.3  | 22.3  | 23.4  | 23.4  | 23.4  |
| 107.5° | 26.0   | 27.0   | 26.0   | 22.8  | 20.8  | 20.2  | 19.2  | 19.2  | 20.2  | 20.8  | 21.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110°   | 20.8 | 21.8 | 21.3 | 19.7 | 18.2 | 17.6 | 16.6 | 16.1 | 17.1 | 18.7 | 18.7 |
| 112.5° | 16.6 | 17.6 | 17.6 | 16.6 | 15.6 | 15.6 | 14.5 | 14.0 | 15.1 | 16.6 | 16.6 |
| 115°   | 14.0 | 15.1 | 15.1 | 14.5 | 14.0 | 13.5 | 12.5 | 11.9 | 13.0 | 14.5 | 15.1 |
| 117.5° | 11.9 | 13.0 | 13.0 | 13.0 | 12.5 | 11.9 | 10.9 | 10.4 | 10.9 | 12.5 | 13.0 |
| 120°   | 10.9 | 11.4 | 11.4 | 11.4 | 10.9 | 10.9 | 9.9  | 9.3  | 9.9  | 11.4 | 11.4 |
| 122.5° | 9.3  | 9.9  | 10.4 | 10.4 | 9.9  | 9.9  | 8.8  | 7.8  | 8.3  | 9.9  | 10.4 |
| 125°   | 8.3  | 8.8  | 9.3  | 9.3  | 8.8  | 8.8  | 7.8  | 7.3  | 7.8  | 8.8  | 9.3  |
| 127.5° | 7.8  | 8.3  | 8.3  | 8.3  | 8.3  | 7.8  | 6.7  | 6.2  | 6.7  | 8.3  | 8.3  |
| 130°   | 7.3  | 7.8  | 7.8  | 7.8  | 7.3  | 6.7  | 6.2  | 5.7  | 6.2  | 7.8  | 7.8  |
| 132.5° | 6.7  | 7.3  | 7.3  | 6.7  | 6.7  | 6.2  | 5.2  | 4.7  | 5.7  | 6.7  | 6.7  |
| 135°   | 5.7  | 6.2  | 6.2  | 6.2  | 5.7  | 5.2  | 4.7  | 4.2  | 5.2  | 5.7  | 5.7  |
| 137.5° | 4.7  | 5.2  | 5.2  | 5.2  | 4.7  | 4.2  | 3.6  | 3.6  | 4.2  | 5.2  | 5.2  |
| 140°   | 3.6  | 4.2  | 4.2  | 4.2  | 3.6  | 3.6  | 3.1  | 2.6  | 3.6  | 4.2  | 4.2  |
| 142.5° | 2.6  | 3.1  | 3.1  | 3.1  | 2.6  | 2.6  | 2.1  | 2.1  | 3.1  | 3.6  | 3.6  |
| 145°   | 1.6  | 2.1  | 2.1  | 2.1  | 2.1  | 1.6  | 1.6  | 1.6  | 2.1  | 2.6  | 2.6  |
| 147.5° | 1.0  | 1.6  | 1.6  | 1.6  | 1.6  | 1.0  | 0.5  | 1.0  | 1.6  | 2.1  | 2.1  |
| 150°   | 0.5  | 1.0  | 1.0  | 1.0  | 1.0  | 0.5  | 0.0  | 0.5  | 1.0  | 1.6  | 1.6  |
| 152.5° | 0.5  | 0.5  | 1.0  | 1.0  | 0.5  | 0.5  | 0.0  | 0.0  | 0.5  | 0.5  | 0.5  |
| 155°   | 0.0  | 0.5  | 0.5  | 0.5  | 0.5  | 0.0  | 0.0  | 0.0  | 0.5  | 0.5  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 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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