

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: P414532

Luminaire Tested: **LXF.LXT-PA1-30-722-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-722-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2886 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

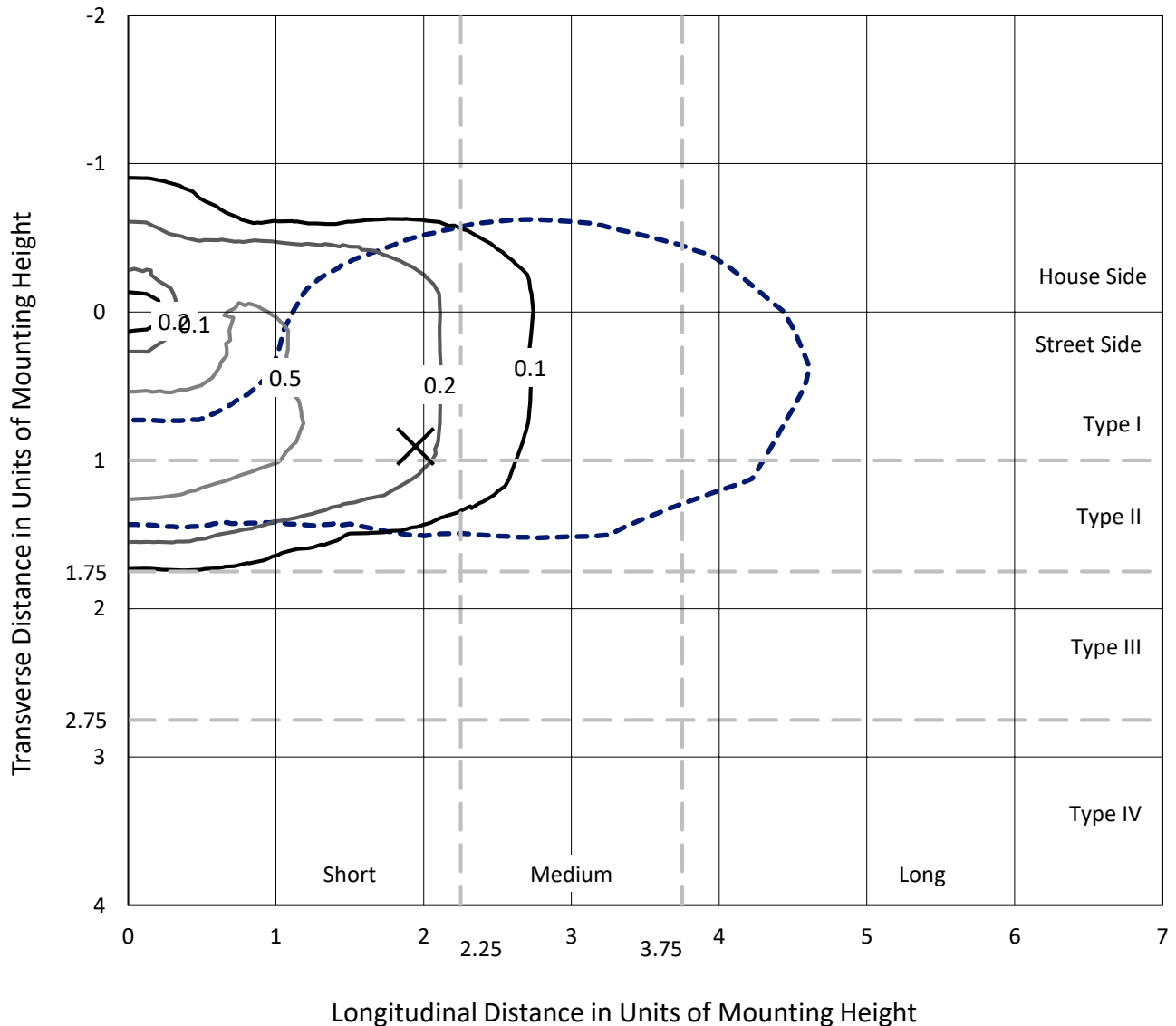
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

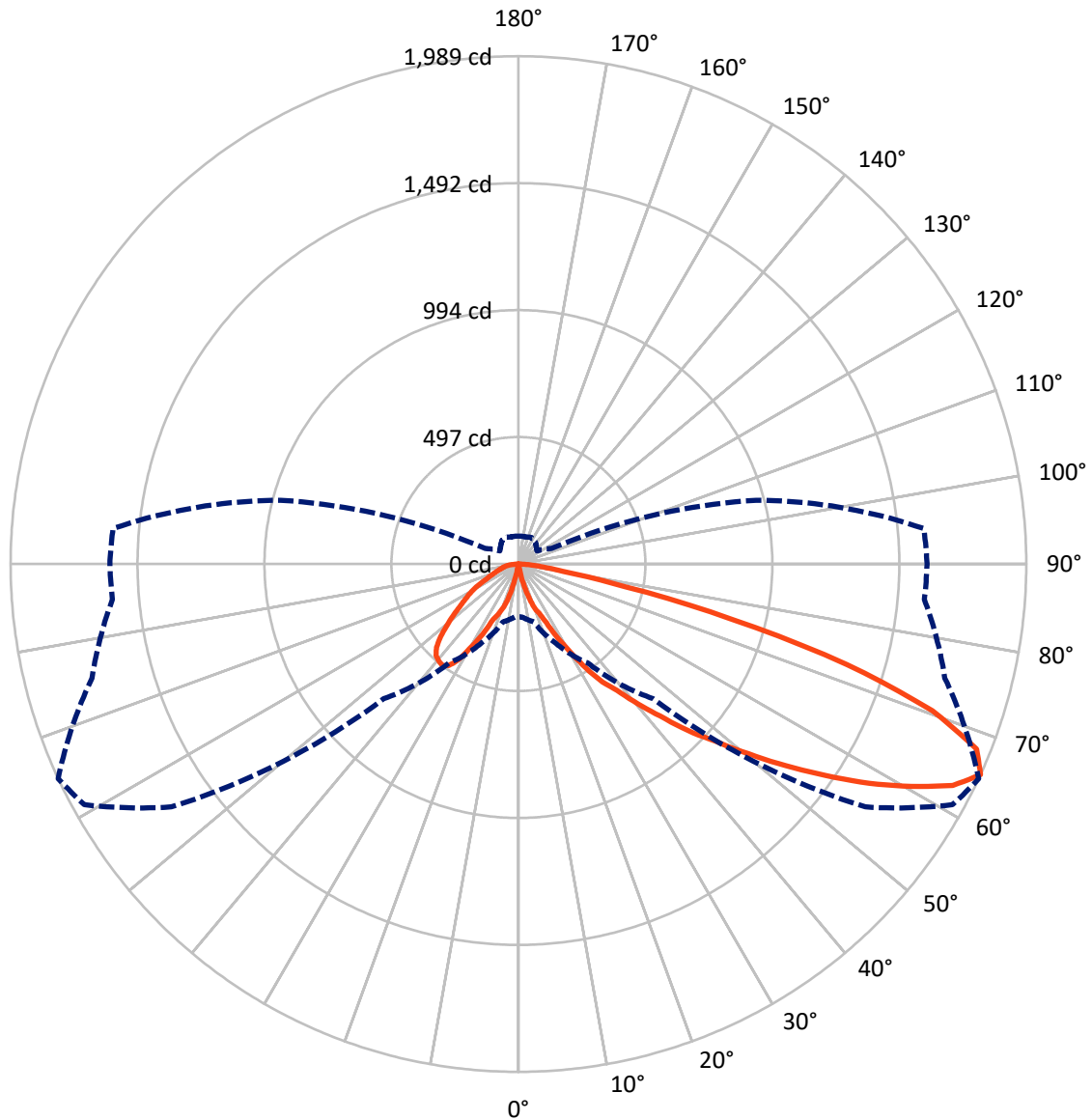


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 778.7    | 0.0    | 778.7  |
|                    | % Fixture | 27.0     | 0.0    | 27.0   |
| <b>Street Side</b> | Lumens    | 2107.3   | 0.0    | 2107.3 |
|                    | % Fixture | 73.0     | 0.0    | 73.0   |
| <b>Total</b>       | Lumens    | 2886.0   | 0.0    | 2886.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.1    | 0.1       |
| 10°-20°   | 31.9   | 1.1       |
| 20°-30°   | 122.7  | 4.3       |
| 30°-40°   | 307.2  | 10.6      |
| 40°-50°   | 572.0  | 19.8      |
| 50°-60°   | 749.0  | 26.0      |
| 60°-70°   | 671.4  | 23.3      |
| 70°-80°   | 369.3  | 12.8      |
| 80°-90°   | 60.3   | 2.1       |
| 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°    | 2886.0 | 100.0     |
| 0°-180°   | 2886.0 | 100.0     |



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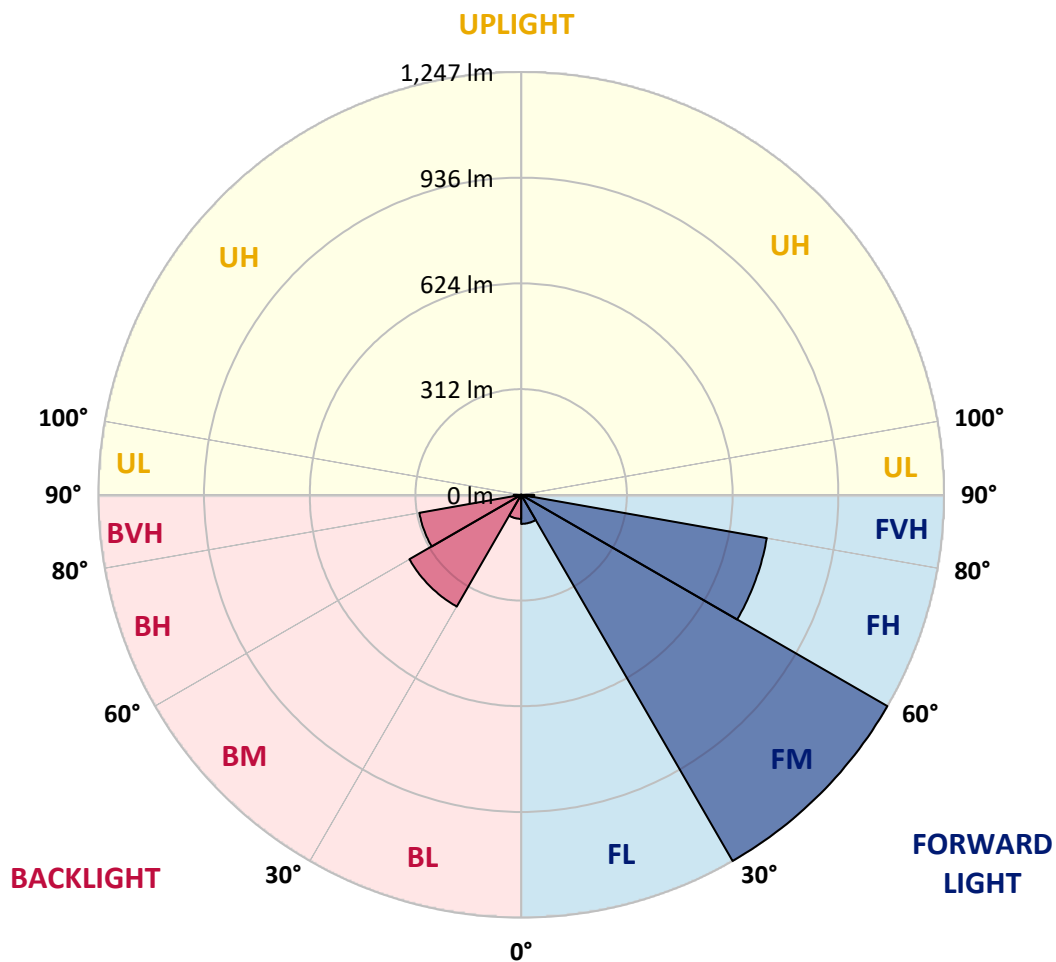
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 85.8   | 3.0       |                         |      |         |
| FM (30°-60°)   | 1247.4 | 43.2      |                         |      |         |
| FH (60°-80°)   | 735.8  | 25.5      |                         |      | G1/1800 |
| FVH (80°-90°)  | 38.3   | 1.3       |                         |      | G1/100  |
| BL (0°-30°)    | 70.9   | 2.5       | B0/110                  |      |         |
| BM (30°-60°)   | 380.8  | 13.2      | B1/1000                 |      |         |
| BH (60°-80°)   | 305.0  | 10.6      | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 22.1   | 0.8       |                         |      | 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 Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 61°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 2.5°  | 1.6    | 1.6    | 1.9    | 2.2    | 2.2    | 1.9    | 1.6    | 1.2    | 0.9    | 0.6    | 0.6    |
| 5°    | 14.3   | 12.7   | 9.9    | 6.8    | 4.0    | 3.1    | 2.5    | 1.9    | 1.6    | 0.9    | 0.6    |
| 7.5°  | 69.9   | 69.6   | 69.3   | 69.6   | 68.1   | 26.7   | 5.0    | 3.1    | 2.5    | 1.2    | 0.9    |
| 10°   | 70.2   | 69.9   | 69.6   | 70.2   | 70.2   | 69.3   | 65.9   | 9.6    | 5.0    | 3.1    | 3.1    |
| 12.5° | 124.9  | 120.6  | 83.3   | 73.3   | 70.9   | 70.9   | 70.9   | 63.4   | 60.3   | 44.4   | 53.8   |
| 15°   | 131.1  | 130.2  | 129.9  | 130.5  | 115.6  | 76.4   | 106.9  | 100.7  | 101.9  | 87.0   | 103.2  |
| 17.5° | 138.0  | 136.4  | 135.2  | 135.5  | 130.2  | 150.1  | 140.5  | 143.6  | 144.8  | 110.0  | 120.6  |
| 20°   | 213.8  | 213.8  | 197.6  | 149.8  | 164.4  | 188.3  | 155.4  | 170.6  | 188.9  | 164.4  | 168.7  |
| 22.5° | 242.7  | 240.5  | 238.3  | 225.9  | 206.6  | 205.4  | 225.9  | 197.9  | 210.1  | 241.5  | 223.1  |
| 25°   | 330.0  | 330.6  | 277.2  | 260.7  | 288.7  | 251.7  | 269.7  | 268.2  | 253.9  | 292.7  | 282.8  |
| 27.5° | 417.6  | 418.9  | 413.0  | 367.6  | 330.0  | 323.8  | 307.0  | 330.9  | 327.2  | 324.7  | 348.0  |
| 30°   | 499.4  | 499.1  | 472.3  | 453.4  | 433.2  | 397.1  | 378.5  | 383.5  | 398.4  | 384.7  | 434.1  |
| 32.5° | 694.8  | 689.6  | 661.0  | 540.7  | 509.6  | 475.8  | 470.5  | 456.5  | 486.3  | 476.7  | 522.4  |
| 35°   | 825.0  | 823.8  | 771.9  | 704.2  | 606.0  | 568.4  | 569.0  | 542.9  | 567.4  | 579.9  | 587.0  |
| 37.5° | 1115.9 | 1111.6 | 1032.6 | 834.1  | 756.7  | 679.3  | 665.0  | 652.6  | 627.1  | 663.1  | 662.8  |
| 40°   | 1272.5 | 1260.1 | 1190.5 | 1059.7 | 888.4  | 795.2  | 765.4  | 738.7  | 720.3  | 741.5  | 738.7  |
| 42.5° | 1394.3 | 1384.7 | 1335.6 | 1200.1 | 1060.3 | 987.9  | 876.6  | 851.1  | 814.2  | 839.3  | 826.3  |
| 45°   | 1481.7 | 1476.7 | 1432.9 | 1332.2 | 1225.0 | 1171.8 | 1002.2 | 962.4  | 930.4  | 927.0  | 919.2  |
| 47.5° | 1498.4 | 1487.9 | 1474.8 | 1418.3 | 1372.6 | 1356.7 | 1157.5 | 1088.9 | 1036.0 | 1026.1 | 1013.0 |
| 50°   | 1419.2 | 1416.1 | 1433.2 | 1422.9 | 1478.6 | 1515.5 | 1336.8 | 1241.8 | 1167.8 | 1132.7 | 1107.5 |
| 52.5° | 1235.5 | 1242.1 | 1307.6 | 1353.3 | 1491.9 | 1626.2 | 1505.3 | 1413.3 | 1312.3 | 1234.9 | 1201.1 |
| 55°   | 981.7  | 1005.3 | 1102.5 | 1197.6 | 1408.3 | 1674.0 | 1665.0 | 1592.6 | 1462.4 | 1349.3 | 1299.2 |
| 57.5° | 753.9  | 751.4  | 876.6  | 963.0  | 1238.7 | 1642.0 | 1768.8 | 1748.3 | 1620.3 | 1468.0 | 1393.1 |
| 60°   | 488.5  | 486.3  | 634.2  | 744.9  | 954.6  | 1477.9 | 1822.6 | 1876.3 | 1768.5 | 1570.5 | 1477.6 |
| 62.5° | 318.8  | 332.2  | 388.4  | 545.7  | 681.8  | 1142.9 | 1804.5 | 1955.9 | 1909.6 | 1665.6 | 1558.7 |
| 65°   | 205.1  | 210.1  | 234.6  | 340.0  | 472.7  | 745.5  | 1658.5 | 1944.1 | 1988.8 | 1729.0 | 1595.7 |
| 67.5° | 152.9  | 154.1  | 165.9  | 211.3  | 321.6  | 389.7  | 1301.7 | 1780.0 | 1935.0 | 1733.4 | 1583.6 |
| 70°   | 134.2  | 136.7  | 148.2  | 159.4  | 239.3  | 245.2  | 761.0  | 1431.0 | 1719.4 | 1670.9 | 1522.4 |
| 72.5° | 114.7  | 117.2  | 132.4  | 148.5  | 183.0  | 184.0  | 284.6  | 950.9  | 1346.2 | 1544.1 | 1424.2 |
| 75°   | 93.5   | 95.1   | 108.5  | 130.2  | 152.6  | 147.6  | 164.7  | 429.8  | 861.7  | 1283.4 | 1270.3 |
| 77.5° | 75.5   | 76.8   | 86.4   | 103.8  | 135.2  | 113.1  | 122.7  | 184.3  | 428.2  | 926.7  | 1029.2 |
| 80°   | 54.7   | 55.3   | 64.6   | 79.6   | 101.6  | 101.0  | 91.7   | 116.8  | 176.8  | 541.3  | 681.5  |
| 82.5° | 34.8   | 34.8   | 44.4   | 52.2   | 67.4   | 99.8   | 64.3   | 78.6   | 98.8   | 269.4  | 327.8  |
| 85°   | 19.6   | 20.2   | 28.0   | 30.5   | 39.5   | 60.6   | 46.3   | 43.5   | 53.4   | 97.6   | 80.8   |
| 87.5° | 3.7    | 4.7    | 8.1    | 8.7    | 10.3   | 14.3   | 16.8   | 15.2   | 15.8   | 22.7   | 13.4   |
| 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°    | 0.9    | 0.9    | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 2.5°  | 0.6    | 0.9    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 0.9   | 0.9   |
| 5°    | 0.6    | 0.9    | 1.2   | 1.2   | 1.6   | 2.2   | 2.5   | 2.5   | 2.8   | 3.1   | 2.8   |
| 7.5°  | 0.6    | 0.9    | 1.2   | 1.9   | 2.5   | 5.0   | 18.0  | 63.7  | 68.4  | 69.3  | 70.5  |
| 10°   | 2.8    | 2.8    | 3.1   | 3.4   | 14.0  | 66.8  | 71.8  | 72.4  | 73.0  | 73.3  | 73.6  |
| 12.5° | 54.7   | 54.1   | 53.8  | 41.3  | 63.7  | 73.6  | 74.6  | 75.2  | 76.1  | 90.7  | 98.2  |
| 15°   | 104.4  | 104.7  | 99.4  | 95.4  | 110.9 | 80.8  | 86.1  | 133.0 | 137.7 | 139.2 | 140.1 |
| 17.5° | 119.6  | 124.9  | 110.9 | 147.3 | 146.1 | 123.1 | 135.5 | 142.6 | 143.3 | 144.2 | 144.5 |
| 20°   | 170.0  | 168.7  | 161.6 | 184.6 | 158.2 | 202.3 | 167.8 | 144.5 | 181.8 | 200.1 | 200.4 |
| 22.5° | 220.6  | 220.9  | 210.7 | 213.2 | 227.5 | 208.2 | 168.1 | 190.8 | 195.5 | 195.2 | 194.2 |
| 25°   | 284.3  | 281.9  | 276.9 | 237.1 | 268.5 | 226.5 | 223.7 | 184.9 | 185.5 | 200.4 | 210.1 |
| 27.5° | 347.7  | 341.5  | 321.9 | 307.3 | 278.7 | 252.0 | 211.3 | 200.1 | 215.7 | 214.7 | 215.0 |
| 30°   | 435.4  | 425.7  | 371.7 | 369.8 | 295.8 | 249.5 | 215.0 | 199.2 | 193.9 | 195.2 | 194.5 |
| 32.5° | 523.0  | 505.6  | 456.8 | 441.0 | 315.4 | 232.4 | 197.3 | 184.0 | 199.2 | 201.4 | 200.1 |
| 35°   | 577.1  | 562.8  | 546.0 | 482.9 | 317.6 | 214.1 | 178.7 | 181.8 | 180.9 | 179.9 | 180.5 |
| 37.5° | 640.1  | 616.8  | 602.2 | 497.2 | 299.6 | 191.1 | 170.3 | 167.8 | 182.7 | 183.0 | 181.8 |
| 40°   | 710.7  | 684.3  | 651.6 | 490.7 | 258.5 | 173.1 | 158.2 | 166.3 | 167.2 | 163.5 | 162.5 |
| 42.5° | 790.2  | 751.7  | 703.2 | 482.0 | 214.4 | 162.5 | 153.5 | 154.4 | 155.1 | 151.0 | 149.5 |
| 45°   | 870.4  | 825.4  | 747.4 | 457.7 | 182.4 | 152.0 | 146.4 | 146.1 | 142.9 | 139.2 | 138.3 |
| 47.5° | 960.2  | 907.4  | 783.7 | 415.5 | 159.7 | 143.9 | 141.7 | 135.8 | 136.7 | 133.3 | 133.0 |
| 50°   | 1052.8 | 996.0  | 804.5 | 364.8 | 144.8 | 137.0 | 133.3 | 131.4 | 133.9 | 129.9 | 129.3 |
| 52.5° | 1143.6 | 1096.0 | 837.5 | 319.5 | 132.1 | 131.1 | 129.6 | 130.2 | 131.1 | 126.8 | 126.5 |
| 55°   | 1242.1 | 1207.9 | 867.6 | 276.3 | 120.9 | 123.1 | 128.3 | 128.0 | 127.7 | 123.7 | 123.7 |
| 57.5° | 1332.5 | 1315.7 | 898.4 | 243.0 | 112.2 | 115.9 | 125.5 | 125.5 | 124.0 | 120.6 | 120.3 |
| 60°   | 1437.5 | 1425.1 | 927.6 | 213.2 | 104.7 | 109.4 | 122.1 | 122.4 | 119.6 | 117.2 | 116.5 |
| 62.5° | 1532.9 | 1523.6 | 950.9 | 181.8 | 96.6  | 103.8 | 117.2 | 119.3 | 115.3 | 113.4 | 113.4 |
| 65°   | 1600.1 | 1593.5 | 963.6 | 142.9 | 88.9  | 98.2  | 111.9 | 115.0 | 109.7 | 109.4 | 109.4 |
| 67.5° | 1606.0 | 1601.9 | 937.2 | 119.3 | 83.3  | 92.9  | 105.3 | 108.5 | 103.8 | 104.7 | 102.9 |
| 70°   | 1551.0 | 1521.4 | 862.3 | 99.4  | 77.7  | 86.1  | 97.6  | 101.3 | 96.6  | 97.0  | 93.8  |
| 72.5° | 1434.7 | 1349.6 | 730.0 | 84.5  | 71.5  | 78.6  | 89.2  | 92.6  | 88.3  | 87.3  | 83.9  |
| 75°   | 1239.3 | 1107.8 | 508.1 | 73.3  | 64.9  | 70.5  | 78.9  | 82.3  | 79.6  | 74.9  | 74.0  |
| 77.5° | 959.9  | 812.0  | 311.4 | 63.4  | 59.0  | 62.2  | 68.4  | 70.2  | 67.4  | 61.8  | 60.9  |
| 80°   | 605.0  | 486.9  | 150.1 | 55.0  | 51.3  | 52.8  | 56.9  | 58.4  | 56.2  | 50.7  | 47.5  |
| 82.5° | 277.2  | 210.4  | 79.2  | 44.4  | 41.6  | 41.6  | 45.7  | 44.4  | 42.6  | 37.3  | 30.1  |
| 85°   | 64.6   | 66.5   | 36.7  | 27.3  | 26.4  | 23.6  | 27.3  | 27.0  | 24.2  | 18.6  | 15.5  |
| 87.5° | 10.6   | 11.8   | 9.3   | 8.4   | 6.8   | 5.3   | 5.9   | 5.0   | 4.4   | 2.2   | 0.9   |
| 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)