

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: P414229

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2550 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 21  
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

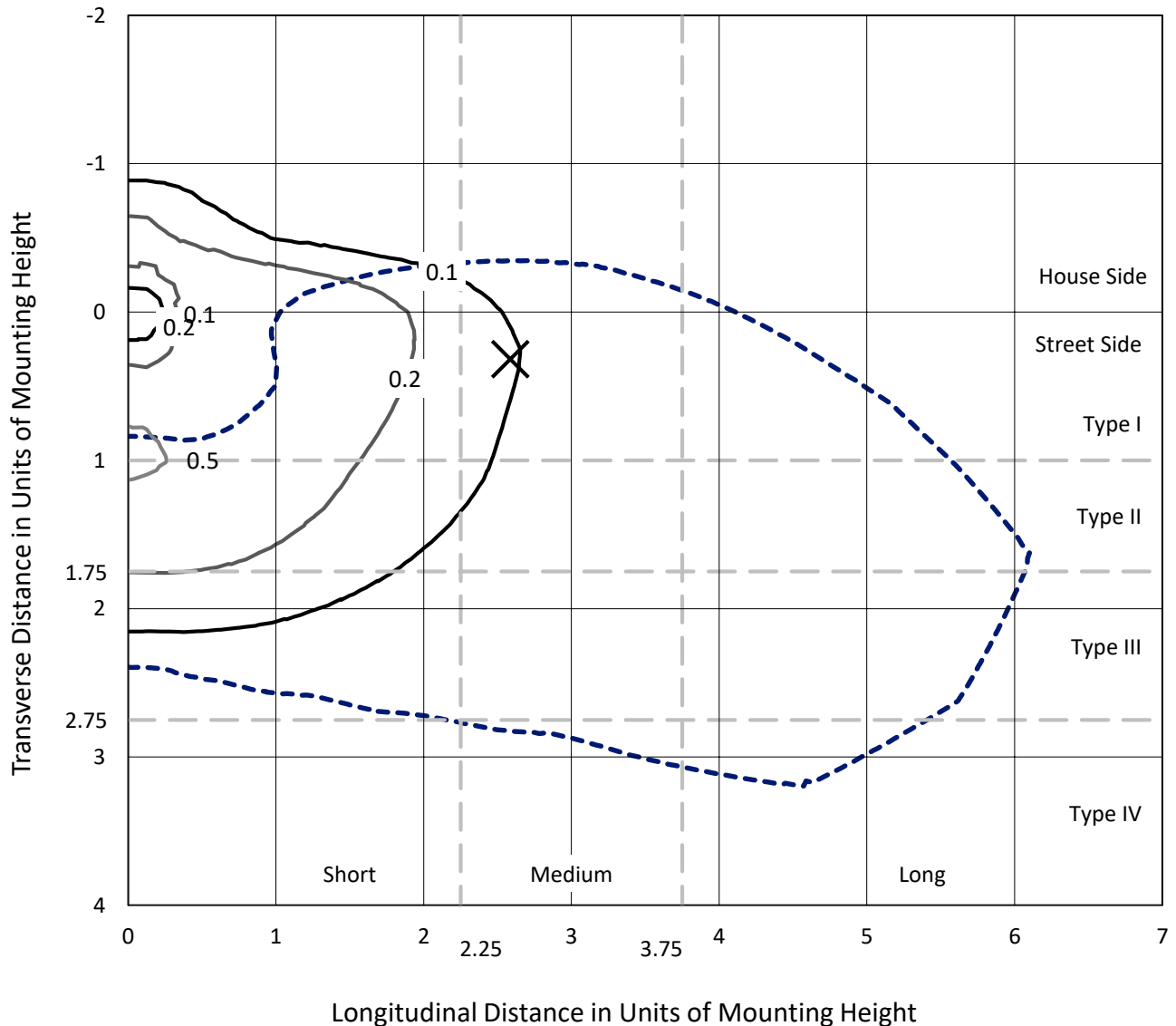


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

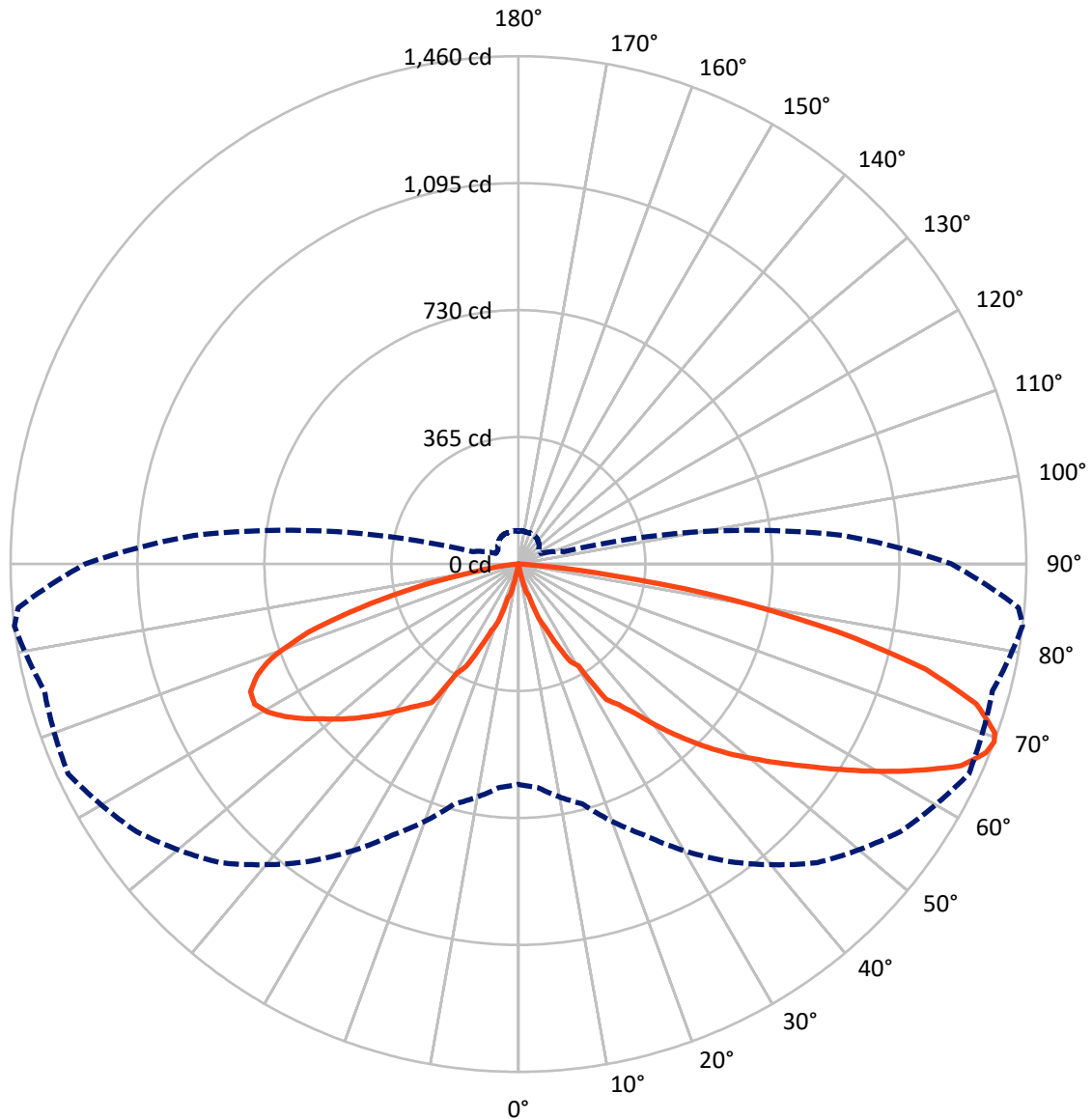


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 540.9    | 0.0    | 540.9  |
|                    | % Fixture | 21.2     | 0.0    | 21.2   |
| <b>Street Side</b> | Lumens    | 2009.1   | 0.0    | 2009.1 |
|                    | % Fixture | 78.8     | 0.0    | 78.8   |
| <b>Total</b>       | Lumens    | 2550.0   | 0.0    | 2550.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.6    | 0.1       |
| 10°-20°   | 25.9   | 1.0       |
| 20°-30°   | 102.3  | 4.0       |
| 30°-40°   | 227.6  | 8.9       |
| 40°-50°   | 386.4  | 15.2      |
| 50°-60°   | 575.9  | 22.6      |
| 60°-70°   | 678.2  | 26.6      |
| 70°-80°   | 474.7  | 18.6      |
| 80°-90°   | 77.5   | 3.0       |
| 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°    | 2550.0 | 100.0     |
| 0°-180°   | 2550.0 | 100.0     |



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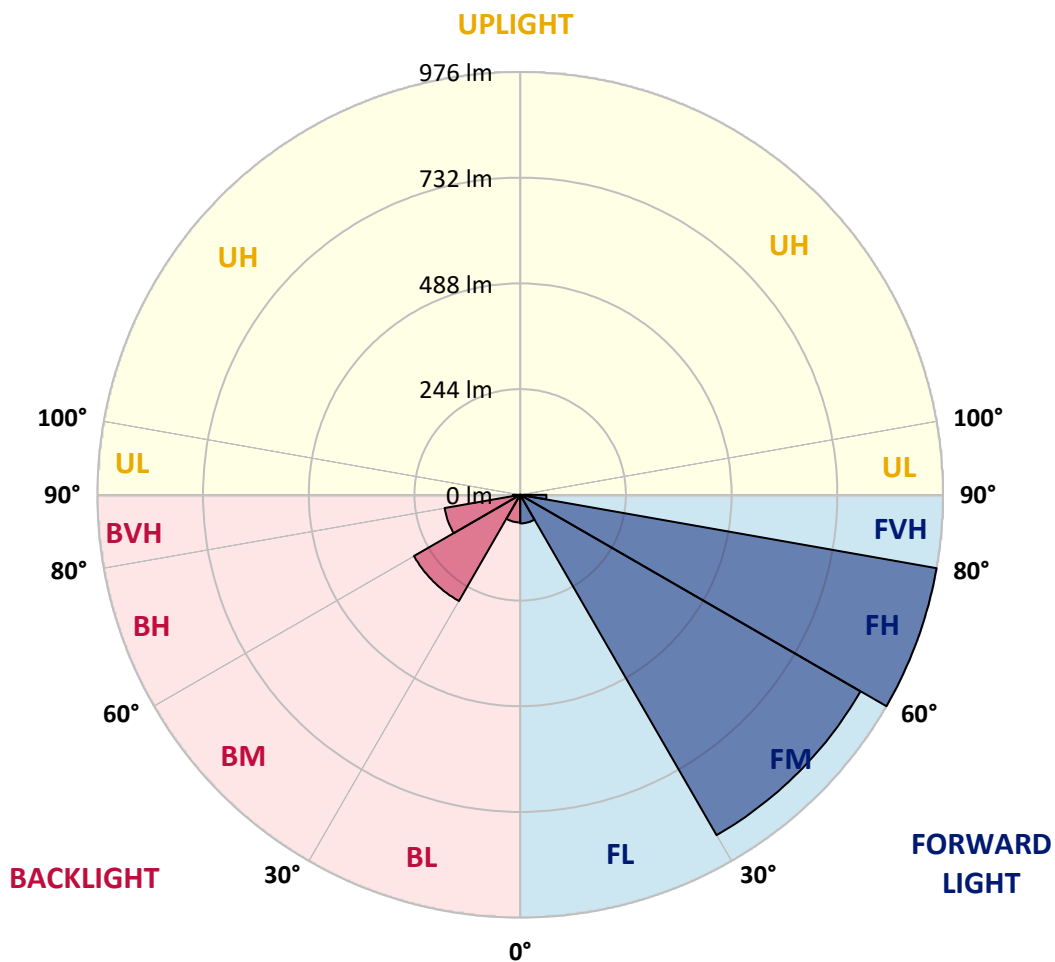
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 66.0   | 2.6       |                         |      |         |
| FM   | (30°-60°)   | 906.8  | 35.6      |                         |      |         |
| FH   | (60°-80°)   | 975.7  | 38.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 60.6   | 2.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 63.8   | 2.5       | B0/110                  |      |         |
| BM   | (30°-60°)   | 283.0  | 11.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 177.1  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 16.9   | 0.7       |                         |      | 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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 83°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 2.5°  | 1.4    | 1.1    | 1.4    | 1.6    | 1.6    | 1.4    | 1.1    | 1.1    | 1.1    | 1.1    | 0.8    |
| 5°    | 22.2   | 16.2   | 14.5   | 12.9   | 7.7    | 2.7    | 1.6    | 1.1    | 1.1    | 1.1    | 1.1    |
| 7.5°  | 46.9   | 46.9   | 46.9   | 47.2   | 46.9   | 34.9   | 8.2    | 1.9    | 1.1    | 1.1    | 1.1    |
| 10°   | 47.5   | 47.2   | 46.9   | 47.2   | 47.8   | 48.0   | 46.4   | 6.6    | 2.7    | 2.5    | 2.5    |
| 12.5° | 85.9   | 85.4   | 82.4   | 57.6   | 48.9   | 49.1   | 50.2   | 36.2   | 13.2   | 34.9   | 40.6   |
| 15°   | 91.1   | 90.6   | 90.6   | 90.9   | 86.2   | 53.5   | 75.5   | 98.8   | 70.3   | 84.0   | 85.4   |
| 17.5° | 102.1  | 99.1   | 96.6   | 95.0   | 95.5   | 106.5  | 107.1  | 109.3  | 81.8   | 94.2   | 95.8   |
| 20°   | 156.5  | 155.4  | 146.6  | 112.3  | 104.9  | 138.4  | 123.3  | 121.3  | 153.2  | 166.4  | 169.1  |
| 22.5° | 178.7  | 177.6  | 171.3  | 165.3  | 172.4  | 150.7  | 175.4  | 180.9  | 207.5  | 199.6  | 202.0  |
| 25°   | 242.7  | 241.9  | 206.7  | 191.3  | 210.3  | 173.2  | 216.6  | 207.3  | 229.2  | 255.6  | 258.3  |
| 27.5° | 297.0  | 295.1  | 288.0  | 258.0  | 234.7  | 259.7  | 239.7  | 277.0  | 311.3  | 315.7  | 323.9  |
| 30°   | 352.8  | 340.1  | 318.2  | 319.3  | 289.1  | 286.3  | 285.5  | 332.4  | 333.5  | 340.4  | 354.4  |
| 32.5° | 443.9  | 438.1  | 419.7  | 362.9  | 356.3  | 318.2  | 351.4  | 354.4  | 435.7  | 464.2  | 467.0  |
| 35°   | 516.9  | 492.2  | 474.9  | 442.8  | 392.8  | 405.2  | 391.5  | 445.8  | 477.9  | 496.3  | 507.6  |
| 37.5° | 633.3  | 636.6  | 608.3  | 491.4  | 460.1  | 445.8  | 469.7  | 499.1  | 539.2  | 543.6  | 560.6  |
| 40°   | 717.0  | 714.9  | 676.7  | 590.5  | 520.5  | 505.9  | 521.9  | 550.7  | 605.0  | 610.5  | 614.7  |
| 42.5° | 838.9  | 828.2  | 775.0  | 678.1  | 613.3  | 582.5  | 586.9  | 599.0  | 653.4  | 677.8  | 672.9  |
| 45°   | 951.8  | 944.6  | 890.8  | 771.4  | 701.1  | 665.2  | 658.6  | 647.9  | 713.2  | 745.9  | 736.8  |
| 47.5° | 1040.2 | 1027.5 | 996.8  | 875.2  | 821.1  | 759.9  | 726.9  | 707.4  | 772.5  | 814.2  | 801.6  |
| 50°   | 1134.9 | 1115.7 | 1087.9 | 978.1  | 924.9  | 870.2  | 797.8  | 773.3  | 839.2  | 880.7  | 870.5  |
| 52.5° | 1197.7 | 1167.8 | 1150.5 | 1069.8 | 1020.7 | 972.9  | 866.7  | 850.2  | 912.5  | 952.3  | 950.1  |
| 55°   | 1166.2 | 1165.1 | 1182.6 | 1131.6 | 1083.8 | 1033.3 | 938.3  | 937.5  | 989.1  | 1030.0 | 1031.9 |
| 57.5° | 1111.3 | 1117.0 | 1167.0 | 1174.7 | 1154.4 | 1095.1 | 1027.0 | 1035.2 | 1079.1 | 1117.0 | 1121.1 |
| 60°   | 1041.3 | 1057.2 | 1129.1 | 1169.7 | 1185.9 | 1156.6 | 1112.4 | 1125.0 | 1177.4 | 1210.1 | 1209.0 |
| 62.5° | 948.7  | 961.6  | 1051.1 | 1143.1 | 1176.0 | 1203.8 | 1191.1 | 1231.8 | 1273.2 | 1304.0 | 1311.9 |
| 65°   | 839.5  | 844.7  | 941.6  | 1065.7 | 1150.8 | 1227.9 | 1257.0 | 1330.9 | 1350.9 | 1398.1 | 1399.8 |
| 67.5° | 718.4  | 720.1  | 804.3  | 952.3  | 1095.9 | 1226.0 | 1313.0 | 1404.2 | 1399.0 | 1449.2 | 1445.4 |
| 69°   | 633.3  | 645.1  | 714.3  | 860.1  | 1042.6 | 1214.2 | 1340.8 | 1428.3 | 1410.8 | 1459.9 | 1443.2 |
| 70°   | 573.5  | 572.7  | 651.7  | 781.8  | 995.7  | 1199.1 | 1358.3 | 1434.6 | 1411.0 | 1452.5 | 1427.2 |
| 72.5° | 365.4  | 370.9  | 439.2  | 554.8  | 802.4  | 1111.8 | 1380.0 | 1417.9 | 1380.8 | 1376.7 | 1322.6 |
| 75°   | 161.4  | 146.6  | 189.4  | 293.7  | 504.6  | 864.7  | 1327.9 | 1342.4 | 1294.9 | 1210.1 | 1117.3 |
| 77.5° | 56.6   | 58.7   | 71.4   | 119.4  | 243.0  | 515.3  | 1100.6 | 1181.0 | 1143.7 | 939.7  | 836.2  |
| 80°   | 40.4   | 40.6   | 47.8   | 66.7   | 117.8  | 181.7  | 700.6  | 854.3  | 880.1  | 619.6  | 532.6  |
| 82.5° | 28.6   | 28.6   | 35.4   | 42.6   | 81.5   | 81.3   | 301.4  | 470.0  | 502.1  | 274.8  | 205.6  |
| 85°   | 23.9   | 24.4   | 27.2   | 24.7   | 47.8   | 41.5   | 74.4   | 144.9  | 118.9  | 33.5   | 29.4   |
| 87.5° | 3.6    | 3.3    | 9.3    | 8.2    | 7.1    | 6.0    | 8.2    | 9.3    | 6.3    | 4.9    | 3.6    |
| 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°    | 0.8    | 0.8    | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 2.5°  | 1.1    | 1.1    | 1.1   | 1.1   | 0.8   | 0.5   | 0.5   | 0.5   | 0.8   | 0.8   | 0.8   |
| 5°    | 1.1    | 1.1    | 1.1   | 1.1   | 1.1   | 1.1   | 1.4   | 1.9   | 2.2   | 2.5   | 2.5   |
| 7.5°  | 1.1    | 1.1    | 1.1   | 1.4   | 1.6   | 2.5   | 13.5  | 46.7  | 51.1  | 53.3  | 54.6  |
| 10°   | 2.2    | 2.5    | 2.5   | 2.5   | 6.0   | 51.6  | 61.5  | 63.7  | 65.9  | 67.0  | 66.7  |
| 12.5° | 42.6   | 43.9   | 11.0  | 8.0   | 48.0  | 64.5  | 66.4  | 68.6  | 70.8  | 72.5  | 72.2  |
| 15°   | 87.6   | 89.8   | 86.2  | 89.2  | 94.7  | 70.0  | 71.6  | 121.3 | 131.5 | 133.4 | 133.7 |
| 17.5° | 97.7   | 99.4   | 101.0 | 131.5 | 134.8 | 103.8 | 124.1 | 133.1 | 134.2 | 134.8 | 135.1 |
| 20°   | 186.1  | 185.3  | 149.9 | 144.1 | 142.8 | 180.1 | 131.8 | 134.2 | 160.6 | 182.8 | 183.9 |
| 22.5° | 205.3  | 207.8  | 197.9 | 211.7 | 187.5 | 182.3 | 166.1 | 177.9 | 187.8 | 187.5 | 186.7 |
| 25°   | 266.3  | 269.6  | 227.0 | 220.2 | 224.8 | 181.2 | 207.3 | 177.6 | 180.4 | 180.6 | 182.3 |
| 27.5° | 333.0  | 333.8  | 315.1 | 247.9 | 221.3 | 224.3 | 195.2 | 189.1 | 211.4 | 212.8 | 212.8 |
| 30°   | 362.6  | 367.9  | 333.0 | 287.1 | 229.2 | 211.9 | 189.1 | 206.2 | 196.3 | 197.9 | 197.9 |
| 32.5° | 481.8  | 477.7  | 434.8 | 284.4 | 237.5 | 194.9 | 197.7 | 191.1 | 211.7 | 217.1 | 217.7 |
| 35°   | 513.1  | 504.6  | 437.3 | 317.9 | 221.5 | 199.0 | 180.6 | 194.1 | 194.1 | 193.8 | 192.4 |
| 37.5° | 551.8  | 537.0  | 432.1 | 294.3 | 222.9 | 181.7 | 174.3 | 174.6 | 190.5 | 194.1 | 191.6 |
| 40°   | 597.6  | 575.4  | 431.3 | 274.8 | 202.0 | 172.1 | 160.0 | 168.0 | 167.7 | 163.1 | 160.3 |
| 42.5° | 647.3  | 617.9  | 429.4 | 251.7 | 181.5 | 161.4 | 151.0 | 148.5 | 149.9 | 141.4 | 140.6 |
| 45°   | 705.5  | 661.9  | 423.9 | 231.4 | 165.0 | 149.9 | 138.1 | 134.2 | 134.8 | 128.2 | 126.6 |
| 47.5° | 767.3  | 707.2  | 422.5 | 215.5 | 151.3 | 138.4 | 128.8 | 123.8 | 125.7 | 118.3 | 116.7 |
| 50°   | 836.2  | 753.8  | 417.8 | 200.7 | 136.2 | 127.7 | 120.5 | 114.7 | 115.0 | 109.3 | 107.9 |
| 52.5° | 911.1  | 799.1  | 412.6 | 180.4 | 122.4 | 118.6 | 114.5 | 110.1 | 115.0 | 107.3 | 105.7 |
| 55°   | 988.0  | 854.3  | 405.7 | 156.8 | 110.1 | 111.7 | 107.6 | 110.9 | 118.0 | 106.0 | 103.8 |
| 57.5° | 1073.4 | 906.2  | 392.8 | 130.9 | 100.2 | 104.0 | 106.8 | 111.2 | 116.9 | 105.7 | 101.6 |
| 60°   | 1154.4 | 956.2  | 362.1 | 110.6 | 91.7  | 97.7  | 105.1 | 109.5 | 109.0 | 103.8 | 101.0 |
| 62.5° | 1236.7 | 997.3  | 305.3 | 95.0  | 84.6  | 94.7  | 102.7 | 104.6 | 102.1 | 100.2 | 98.6  |
| 65°   | 1282.0 | 1007.5 | 236.6 | 84.6  | 78.8  | 90.6  | 99.7  | 101.3 | 97.7  | 97.7  | 96.4  |
| 67.5° | 1274.6 | 974.8  | 174.6 | 76.0  | 73.8  | 86.5  | 94.4  | 98.3  | 95.8  | 97.7  | 95.5  |
| 69°   | 1245.0 | 937.5  | 137.3 | 71.6  | 71.4  | 83.2  | 91.4  | 95.8  | 93.9  | 96.6  | 93.9  |
| 70°   | 1210.1 | 899.9  | 121.3 | 69.2  | 68.9  | 80.7  | 89.5  | 93.9  | 91.7  | 93.9  | 91.4  |
| 72.5° | 1076.4 | 772.2  | 87.0  | 62.3  | 63.1  | 75.8  | 84.8  | 88.1  | 86.2  | 86.7  | 83.5  |
| 75°   | 860.6  | 574.0  | 68.9  | 56.6  | 57.4  | 70.0  | 79.6  | 81.5  | 80.2  | 77.7  | 75.8  |
| 77.5° | 605.0  | 370.1  | 56.6  | 51.3  | 51.6  | 63.1  | 74.1  | 73.8  | 71.6  | 69.2  | 66.7  |
| 80°   | 330.0  | 174.0  | 48.0  | 45.0  | 45.8  | 56.3  | 66.2  | 65.3  | 62.6  | 60.1  | 57.1  |
| 82.5° | 142.8  | 70.3   | 37.3  | 36.0  | 38.4  | 47.2  | 56.8  | 54.6  | 52.2  | 53.3  | 41.5  |
| 85°   | 25.5   | 24.2   | 21.7  | 23.1  | 26.1  | 33.5  | 40.1  | 38.2  | 36.8  | 31.3  | 28.8  |
| 87.5° | 2.2    | 3.3    | 3.3   | 4.1   | 5.8   | 6.3   | 11.3  | 8.2   | 8.5   | 3.3   | 1.6   |
| 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)