

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: P414186

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2324 lumens
Efficiency: N/A
Efficacy: 110.7 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

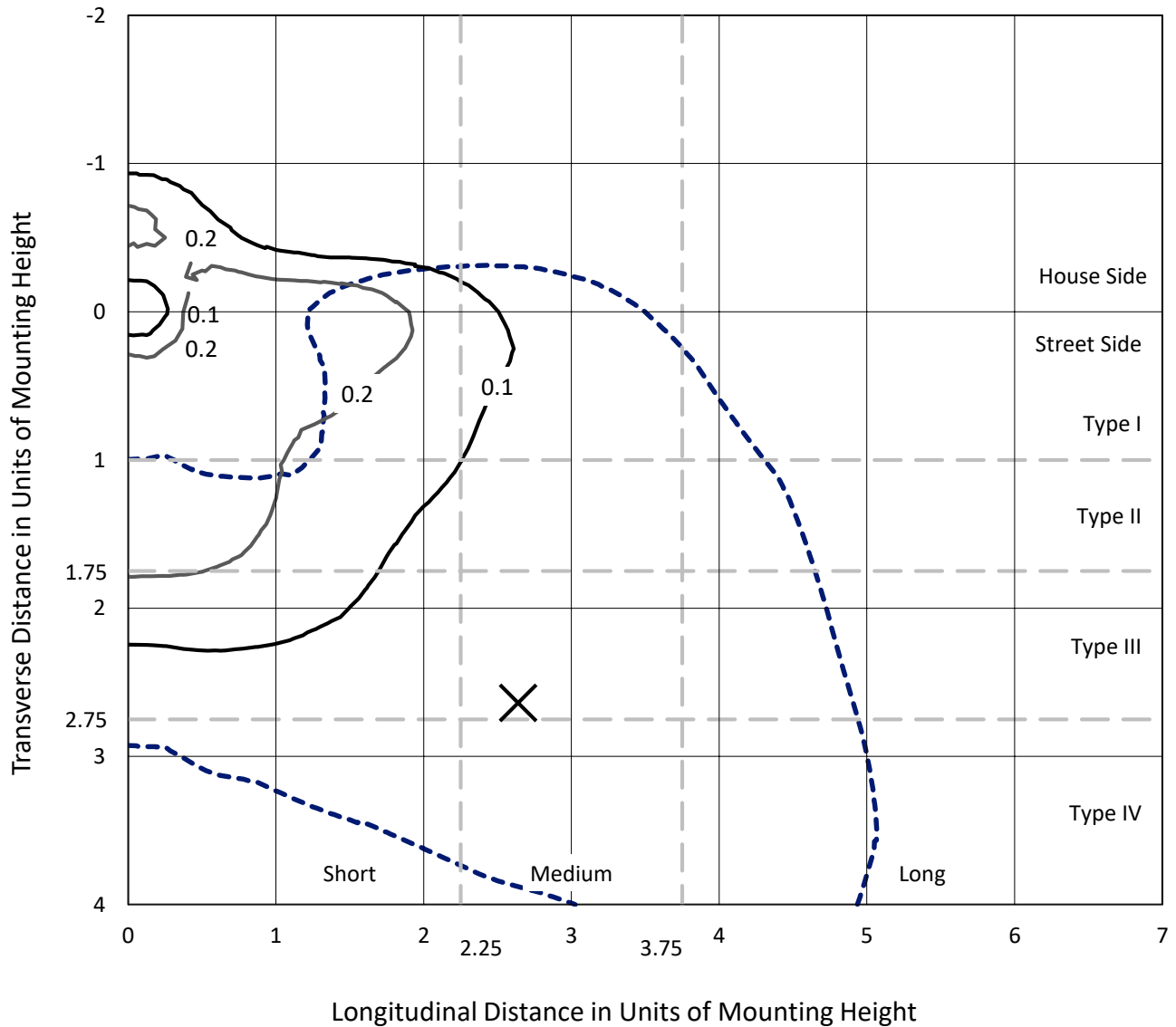
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

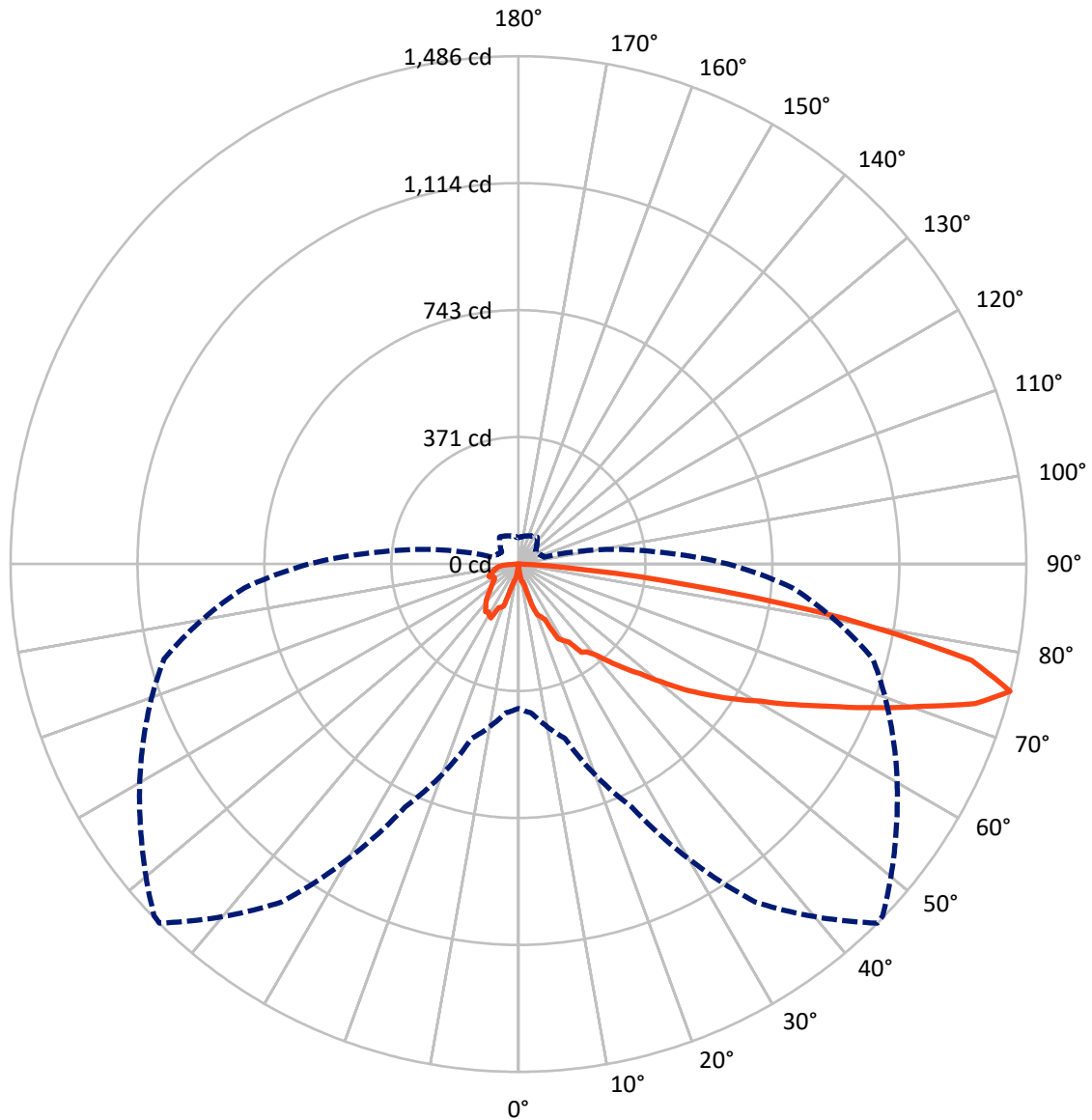
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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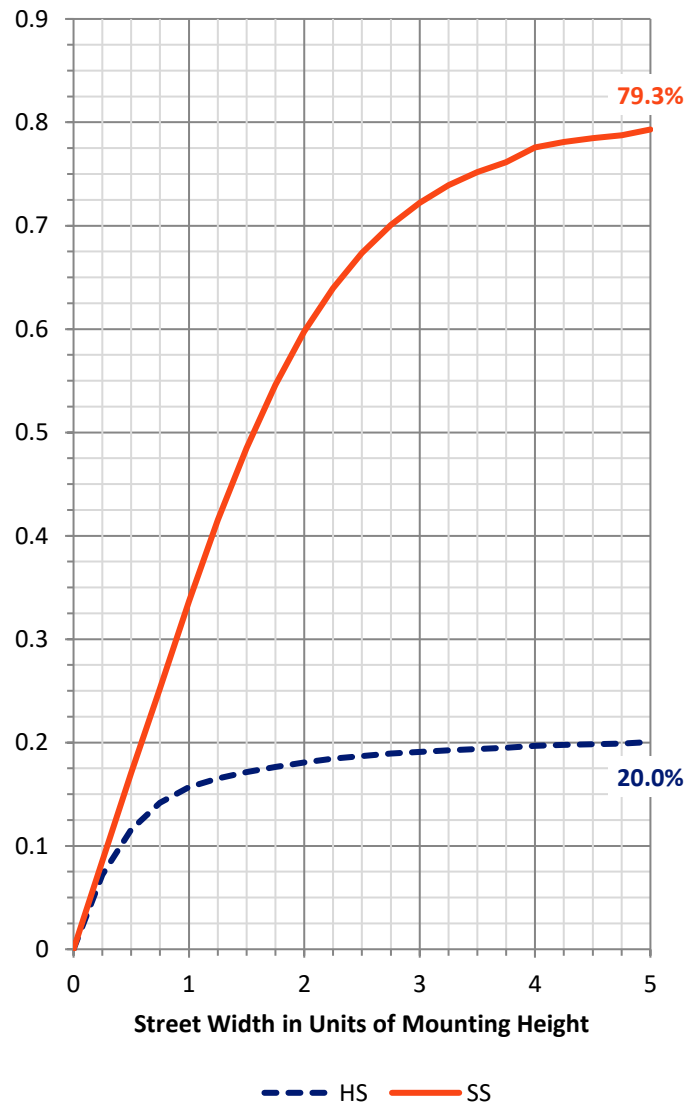
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 476.7 | 0.0 | 476.7 |
| | % Fixture | 20.5 | 0.0 | 20.5 |
| Street Side | Lumens | 1847.3 | 0.0 | 1847.3 |
| | % Fixture | 79.5 | 0.0 | 79.5 |
| Total | Lumens | 2324.0 | 0.0 | 2324.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.5 | 0.1 |
| 10°-20° | 24.0 | 1.0 |
| 20°-30° | 89.3 | 3.8 |
| 30°-40° | 184.0 | 7.9 |
| 40°-50° | 291.7 | 12.6 |
| 50°-60° | 461.2 | 19.8 |
| 60°-70° | 647.9 | 27.9 |
| 70°-80° | 539.4 | 23.2 |
| 80°-90° | 85.1 | 3.7 |
| 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° | 2324.0 | 100.0 |
| 0°-180° | 2324.0 | 100.0 |



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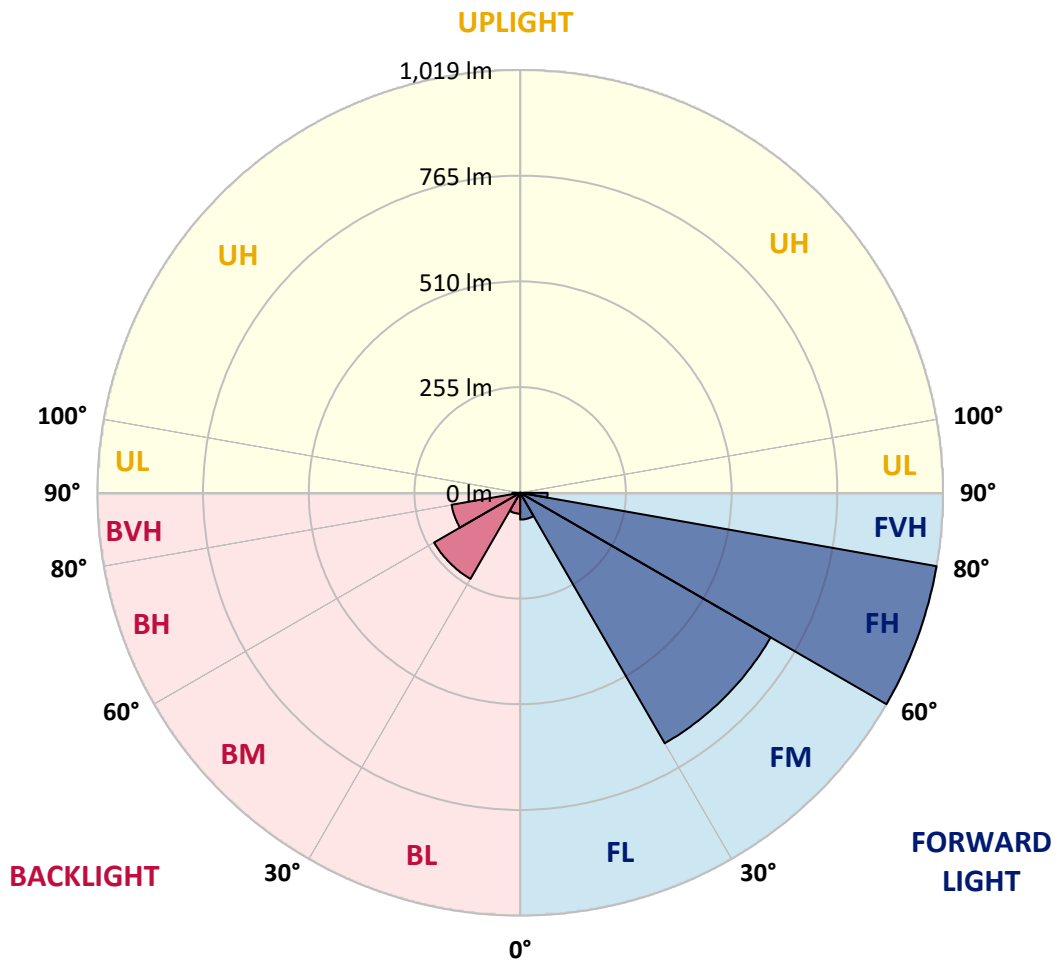
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 64.5 | 2.8 | | | |
| FM | (30°-60°) | 697.3 | 30.0 | | | |
| FH | (60°-80°) | 1019.5 | 43.9 | | | G1/1800 |
| FVH | (80°-90°) | 66.0 | 2.8 | | | G1/100 |
| BL | (0°-30°) | 50.3 | 2.2 | B0/110 | | |
| BM | (30°-60°) | 239.6 | 10.3 | B1/1000 | | |
| BH | (60°-80°) | 167.8 | 7.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.0 | 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 IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 |
| 5° | 17.9 | 16.9 | 13.4 | 11.8 | 9.8 | 4.0 | 3.3 | 1.5 | 1.3 | 1.3 | 1.0 |
| 7.5° | 53.2 | 52.7 | 51.9 | 50.2 | 47.9 | 30.0 | 26.0 | 9.3 | 1.8 | 1.3 | 1.0 |
| 10° | 58.7 | 57.7 | 56.5 | 54.7 | 52.7 | 50.2 | 49.9 | 45.9 | 8.3 | 2.8 | 2.3 |
| 12.5° | 115.4 | 113.4 | 94.8 | 68.6 | 56.7 | 53.7 | 53.7 | 51.9 | 37.6 | 13.1 | 30.7 |
| 15° | 124.0 | 123.0 | 119.5 | 114.9 | 108.1 | 62.3 | 61.0 | 81.2 | 100.1 | 70.1 | 74.4 |
| 17.5° | 139.4 | 137.1 | 126.3 | 120.7 | 115.7 | 125.5 | 124.8 | 116.2 | 109.6 | 77.6 | 83.4 |
| 20° | 194.3 | 193.1 | 188.5 | 135.1 | 124.5 | 158.8 | 159.3 | 131.8 | 119.2 | 137.4 | 136.4 |
| 22.5° | 198.9 | 198.6 | 195.3 | 187.3 | 197.4 | 166.6 | 166.9 | 175.2 | 174.2 | 182.2 | 165.3 |
| 25° | 260.1 | 259.4 | 210.5 | 193.1 | 215.5 | 179.5 | 187.5 | 217.3 | 194.1 | 197.6 | 206.4 |
| 27.5° | 266.9 | 266.4 | 263.6 | 251.5 | 223.1 | 247.3 | 247.3 | 224.6 | 247.3 | 258.9 | 260.4 |
| 30° | 303.5 | 293.9 | 274.5 | 268.7 | 259.9 | 259.6 | 260.4 | 260.1 | 286.1 | 270.9 | 286.1 |
| 32.5° | 356.9 | 354.9 | 347.8 | 291.4 | 288.8 | 272.2 | 280.8 | 300.4 | 298.7 | 344.5 | 364.2 |
| 35° | 434.0 | 406.5 | 381.6 | 336.2 | 299.9 | 317.1 | 318.3 | 311.5 | 347.8 | 362.4 | 390.2 |
| 37.5° | 541.6 | 534.1 | 498.8 | 378.6 | 334.2 | 325.9 | 326.7 | 348.8 | 369.8 | 385.9 | 416.9 |
| 40° | 620.0 | 616.0 | 591.5 | 463.5 | 366.5 | 349.8 | 351.6 | 366.0 | 385.4 | 414.1 | 446.4 |
| 42.5° | 695.1 | 695.1 | 680.8 | 536.1 | 435.8 | 390.7 | 389.4 | 392.4 | 406.3 | 436.5 | 490.0 |
| 45° | 744.0 | 741.3 | 753.4 | 604.4 | 487.5 | 434.5 | 429.7 | 429.0 | 434.0 | 469.8 | 548.5 |
| 47.5° | 793.2 | 785.6 | 797.2 | 673.5 | 555.0 | 479.9 | 480.4 | 471.1 | 477.9 | 532.8 | 628.3 |
| 50° | 845.1 | 846.6 | 845.1 | 731.7 | 621.3 | 541.6 | 537.4 | 525.5 | 539.1 | 606.7 | 717.8 |
| 52.5° | 919.2 | 913.9 | 899.0 | 805.8 | 706.0 | 610.2 | 603.4 | 586.3 | 618.3 | 693.6 | 829.7 |
| 55° | 973.1 | 968.1 | 964.1 | 885.2 | 771.0 | 676.5 | 672.5 | 653.6 | 713.5 | 781.3 | 945.2 |
| 57.5° | 1031.9 | 1025.8 | 1037.4 | 993.6 | 873.1 | 745.8 | 740.5 | 728.9 | 811.3 | 881.4 | 1062.6 |
| 60° | 1071.4 | 1071.7 | 1103.5 | 1071.7 | 958.3 | 815.1 | 810.1 | 818.6 | 900.8 | 973.1 | 1189.4 |
| 62.5° | 1071.4 | 1079.8 | 1149.6 | 1157.1 | 1049.5 | 905.6 | 896.8 | 901.6 | 998.1 | 1069.4 | 1293.5 |
| 65° | 969.9 | 980.2 | 1143.0 | 1181.8 | 1141.0 | 1003.4 | 999.1 | 996.1 | 1090.1 | 1145.5 | 1375.2 |
| 67.5° | 866.3 | 879.1 | 1043.7 | 1183.1 | 1215.9 | 1122.1 | 1106.5 | 1081.0 | 1169.5 | 1202.3 | 1419.0 |
| 70° | 794.4 | 805.0 | 935.8 | 1142.5 | 1264.3 | 1246.6 | 1236.3 | 1169.2 | 1222.7 | 1238.3 | 1369.6 |
| 72.5° | 677.7 | 678.8 | 795.2 | 1056.8 | 1296.8 | 1397.1 | 1372.9 | 1267.0 | 1252.7 | 1214.9 | 1161.4 |
| 75° | 422.4 | 437.8 | 528.5 | 784.4 | 1207.0 | 1485.8 | 1481.3 | 1349.2 | 1209.8 | 1073.5 | 805.3 |
| 77.5° | 157.3 | 166.3 | 221.0 | 402.8 | 863.8 | 1355.2 | 1359.3 | 1260.0 | 1023.3 | 777.8 | 432.5 |
| 80° | 51.2 | 54.9 | 73.1 | 129.8 | 383.6 | 964.6 | 996.1 | 893.8 | 627.6 | 395.2 | 182.2 |
| 82.5° | 28.5 | 27.5 | 42.3 | 67.3 | 163.8 | 499.8 | 520.5 | 429.7 | 295.9 | 165.3 | 68.1 |
| 85° | 13.1 | 13.6 | 20.2 | 36.5 | 87.5 | 139.4 | 150.5 | 146.9 | 112.2 | 68.1 | 25.0 |
| 87.5° | 2.8 | 3.3 | 4.5 | 8.6 | 13.6 | 11.8 | 8.6 | 15.1 | 21.9 | 16.1 | 4.3 |
| 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° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2.5° | 1.0 | 1.0 | 0.8 | 0.8 | 0.5 | 0.5 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 |
| 5° | 1.0 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 | 1.0 | 1.8 | 2.0 | 2.3 | 2.0 |
| 7.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 2.5 | 11.8 | 36.3 | 38.6 | 39.3 | 40.3 |
| 10° | 2.3 | 2.0 | 2.0 | 2.3 | 7.8 | 38.1 | 45.9 | 48.4 | 49.7 | 50.4 | 50.2 |
| 12.5° | 35.0 | 34.8 | 12.9 | 7.8 | 36.5 | 48.1 | 49.4 | 50.9 | 53.4 | 56.0 | 54.9 |
| 15° | 74.1 | 73.8 | 68.1 | 70.6 | 71.1 | 52.4 | 53.4 | 87.5 | 93.3 | 97.0 | 98.3 |
| 17.5° | 80.7 | 81.4 | 79.1 | 97.5 | 99.8 | 79.4 | 89.0 | 97.5 | 99.6 | 100.8 | 101.1 |
| 20° | 149.7 | 134.6 | 115.2 | 109.1 | 106.4 | 131.1 | 99.3 | 100.3 | 129.6 | 138.9 | 139.9 |
| 22.5° | 164.6 | 163.3 | 152.7 | 157.3 | 132.8 | 136.6 | 128.5 | 135.6 | 148.7 | 151.5 | 151.5 |
| 25° | 212.5 | 210.2 | 174.4 | 163.8 | 168.6 | 140.4 | 162.3 | 147.7 | 152.5 | 157.5 | 158.0 |
| 27.5° | 261.1 | 258.3 | 232.9 | 184.2 | 167.1 | 177.2 | 164.8 | 178.2 | 192.8 | 199.9 | 200.1 |
| 30° | 283.8 | 280.0 | 243.0 | 207.7 | 173.9 | 173.4 | 173.2 | 197.1 | 195.8 | 200.4 | 201.6 |
| 32.5° | 377.1 | 371.0 | 310.5 | 204.2 | 180.5 | 164.8 | 183.7 | 191.8 | 220.5 | 234.7 | 236.2 |
| 35° | 399.7 | 392.2 | 312.0 | 225.8 | 170.4 | 169.9 | 170.4 | 196.8 | 212.5 | 222.6 | 224.8 |
| 37.5° | 425.7 | 415.4 | 308.5 | 211.7 | 174.4 | 158.3 | 162.1 | 177.7 | 211.7 | 234.4 | 236.2 |
| 40° | 458.0 | 442.1 | 307.5 | 197.6 | 162.6 | 149.7 | 149.0 | 169.9 | 185.0 | 198.9 | 200.1 |
| 42.5° | 502.6 | 477.1 | 306.0 | 183.0 | 148.7 | 139.4 | 140.6 | 149.7 | 161.8 | 160.6 | 162.6 |
| 45° | 561.8 | 520.7 | 303.5 | 170.1 | 134.6 | 126.5 | 125.8 | 132.3 | 137.9 | 129.8 | 127.5 |
| 47.5° | 635.9 | 574.7 | 307.5 | 157.8 | 121.5 | 113.9 | 114.2 | 116.9 | 118.0 | 109.1 | 107.1 |
| 50° | 720.1 | 635.7 | 311.8 | 144.2 | 110.9 | 105.1 | 103.8 | 104.9 | 103.3 | 94.8 | 94.0 |
| 52.5° | 820.4 | 707.2 | 314.0 | 131.3 | 102.3 | 97.8 | 96.3 | 95.5 | 93.3 | 87.5 | 86.7 |
| 55° | 936.6 | 793.2 | 318.8 | 121.0 | 95.3 | 91.0 | 90.2 | 89.2 | 88.5 | 85.2 | 84.7 |
| 57.5° | 1055.6 | 888.0 | 316.1 | 110.4 | 88.5 | 84.7 | 86.2 | 88.0 | 90.0 | 88.7 | 88.5 |
| 60° | 1164.7 | 963.6 | 281.8 | 101.1 | 81.9 | 80.9 | 87.5 | 95.8 | 97.3 | 98.5 | 98.3 |
| 62.5° | 1246.4 | 1001.6 | 223.6 | 93.0 | 77.4 | 81.2 | 97.0 | 108.6 | 107.1 | 103.8 | 103.1 |
| 65° | 1275.1 | 991.0 | 172.1 | 87.0 | 75.1 | 88.0 | 107.1 | 113.2 | 104.6 | 98.5 | 97.3 |
| 67.5° | 1255.9 | 938.9 | 133.3 | 81.9 | 73.8 | 93.8 | 110.6 | 108.9 | 99.1 | 94.5 | 92.8 |
| 70° | 1157.9 | 830.2 | 105.9 | 77.6 | 72.6 | 90.2 | 108.9 | 103.8 | 94.5 | 90.5 | 87.7 |
| 72.5° | 947.4 | 656.6 | 90.7 | 72.8 | 67.3 | 82.9 | 103.3 | 97.0 | 90.5 | 85.2 | 82.7 |
| 75° | 612.7 | 403.8 | 78.9 | 67.3 | 60.2 | 75.1 | 96.3 | 90.5 | 84.9 | 79.6 | 77.1 |
| 77.5° | 294.9 | 183.5 | 69.1 | 60.5 | 53.7 | 69.3 | 90.5 | 83.7 | 78.1 | 72.8 | 69.8 |
| 80° | 124.3 | 86.7 | 59.0 | 53.7 | 48.9 | 65.0 | 84.2 | 76.4 | 70.1 | 66.3 | 63.0 |
| 82.5° | 60.5 | 47.9 | 44.9 | 43.6 | 42.6 | 59.2 | 77.4 | 67.8 | 61.2 | 57.7 | 50.4 |
| 85° | 20.4 | 20.7 | 27.7 | 27.0 | 30.0 | 47.4 | 63.3 | 51.4 | 45.9 | 39.8 | 37.3 |
| 87.5° | 2.0 | 2.8 | 3.8 | 4.8 | 9.8 | 13.1 | 21.7 | 17.6 | 13.9 | 5.3 | 3.5 |
| 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)