

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: P414930

Luminaire Tested: **LXF.LXT-PA1-40-722-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-722-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3701 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

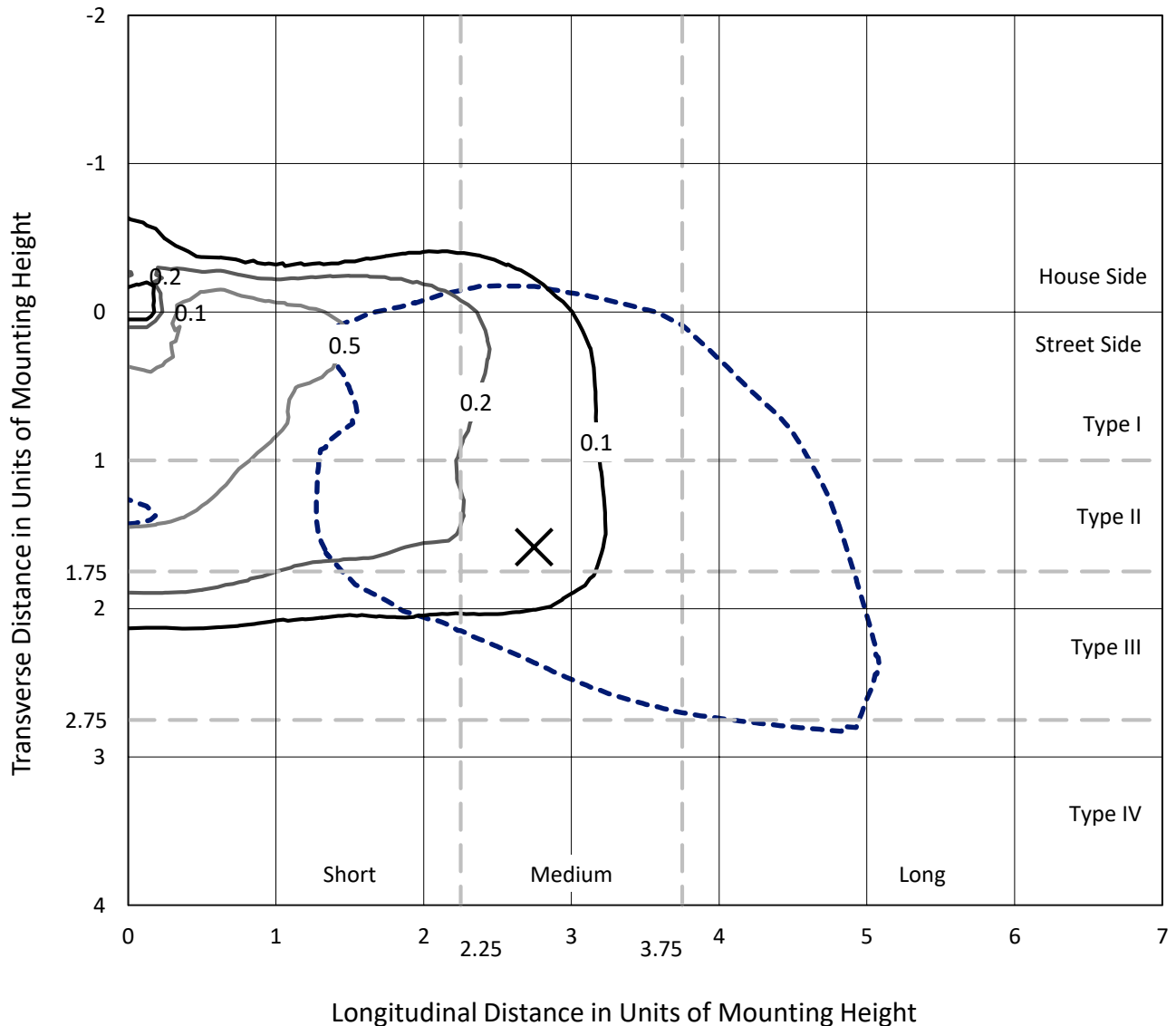
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

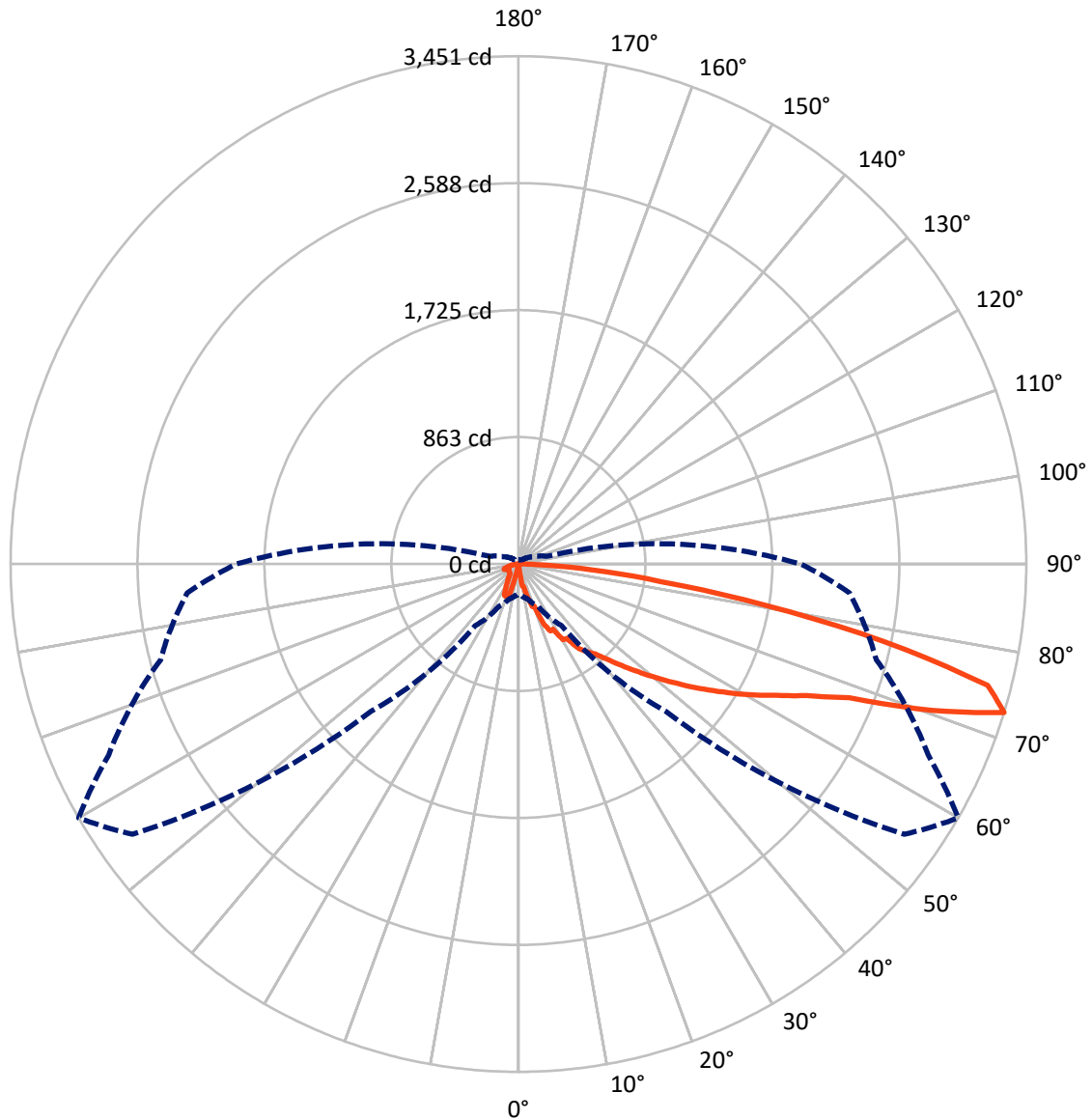


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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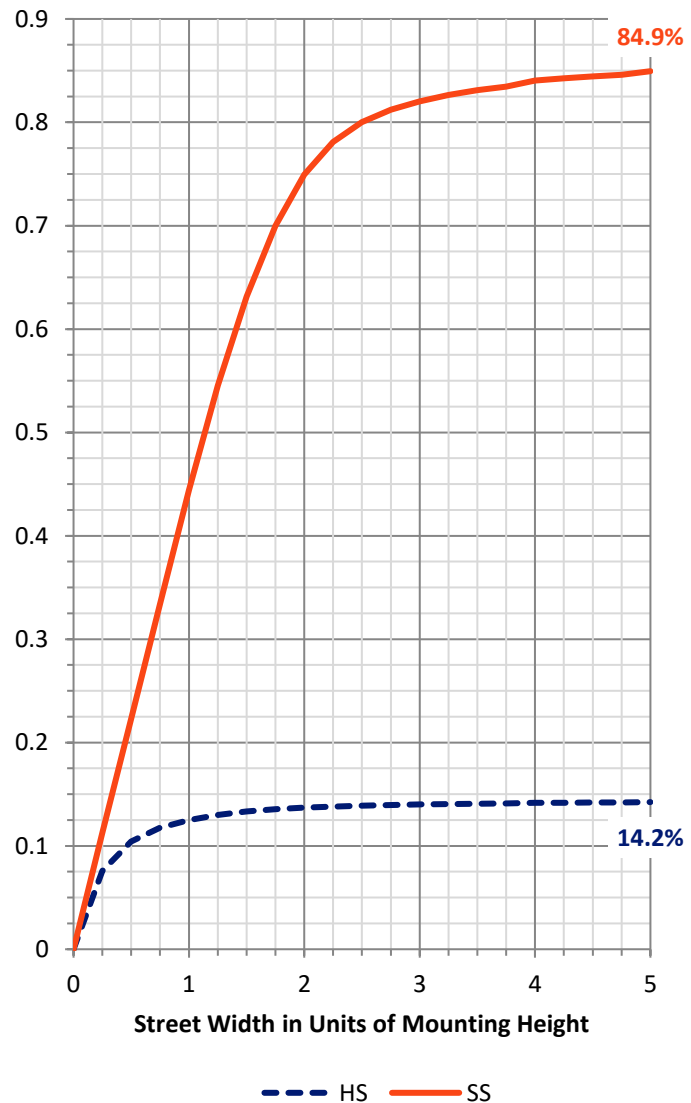
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 533.0 | 0.0 | 533.0 |
| | % Fixture | 14.4 | 0.0 | 14.4 |
| Street Side | Lumens | 3168.0 | 0.0 | 3168.0 |
| | % Fixture | 85.6 | 0.0 | 85.6 |
| Total | Lumens | 3701.0 | 0.0 | 3701.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.9 | 0.1 |
| 10°-20° | 54.0 | 1.5 |
| 20°-30° | 162.5 | 4.4 |
| 30°-40° | 321.4 | 8.7 |
| 40°-50° | 532.3 | 14.4 |
| 50°-60° | 795.2 | 21.5 |
| 60°-70° | 946.0 | 25.6 |
| 70°-80° | 757.3 | 20.5 |
| 80°-90° | 128.5 | 3.5 |
| 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° | 3701.0 | 100.0 |
| 0°-180° | 3701.0 | 100.0 |



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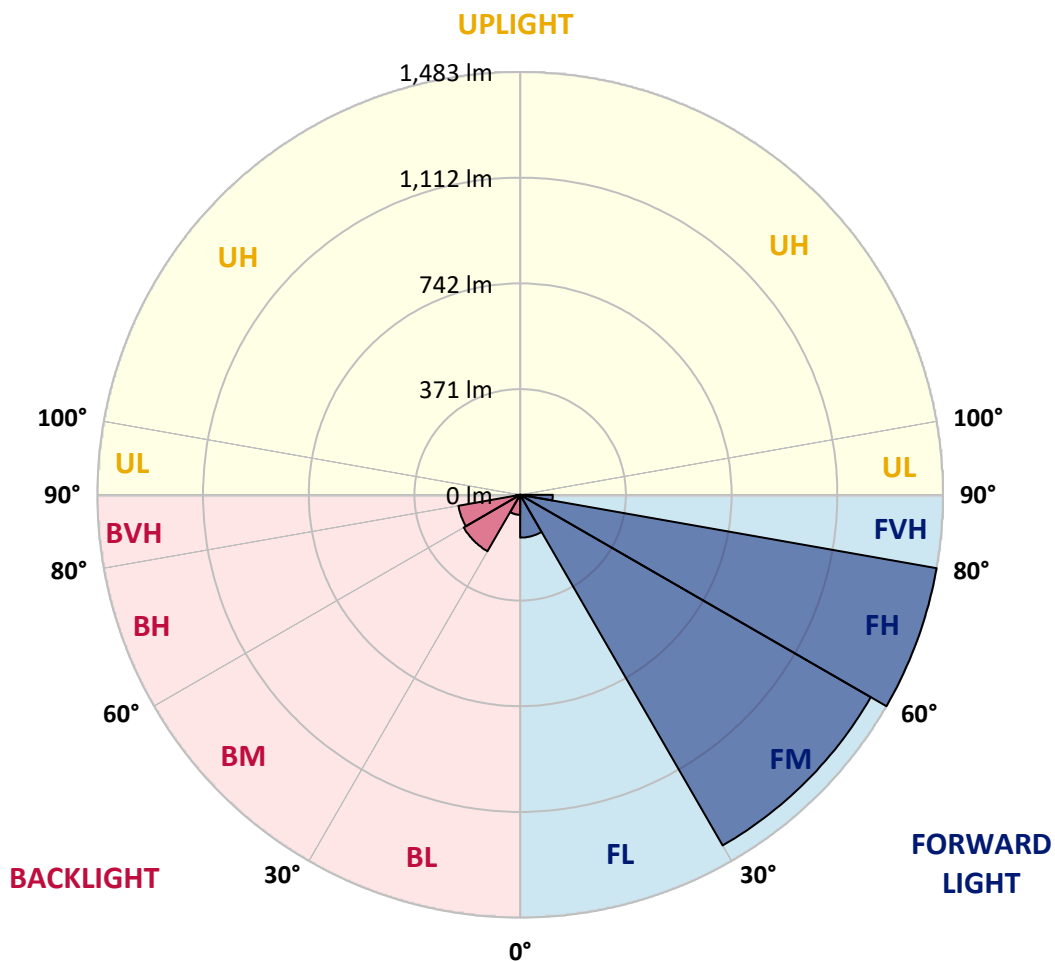
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 150.2 | 4.1 | | | |
| FM | (30°-60°) | 1420.2 | 38.4 | | | |
| FH | (60°-80°) | 1483.2 | 40.1 | | | G1/1800 |
| FVH | (80°-90°) | 114.4 | 3.1 | | | G2/225 |
| BL | (0°-30°) | 70.1 | 1.9 | B0/110 | | |
| BM | (30°-60°) | 228.7 | 6.2 | B1/1000 | | |
| BH | (60°-80°) | 220.0 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 2.0 | 2.0 | 2.4 | 2.8 | 2.8 | 2.4 | 2.0 | 2.0 | 2.0 | 1.6 | 2.0 |
| 5° | 138.3 | 69.8 | 46.8 | 22.2 | 16.5 | 8.1 | 3.2 | 2.4 | 2.4 | 2.0 | 2.0 |
| 7.5° | 158.9 | 158.9 | 159.3 | 160.9 | 162.1 | 162.9 | 20.2 | 10.5 | 4.0 | 2.0 | 2.0 |
| 10° | 153.2 | 152.0 | 152.8 | 154.4 | 156.0 | 158.5 | 161.3 | 153.2 | 18.1 | 3.2 | 2.4 |
| 12.5° | 283.0 | 282.2 | 272.6 | 166.1 | 154.0 | 154.0 | 158.1 | 158.5 | 124.6 | 12.1 | 11.7 |
| 15° | 273.0 | 272.6 | 273.8 | 276.6 | 281.0 | 159.3 | 161.7 | 235.5 | 306.8 | 216.1 | 251.2 |
| 17.5° | 280.6 | 277.4 | 270.1 | 268.5 | 272.6 | 256.0 | 301.2 | 304.8 | 311.7 | 248.4 | 254.4 |
| 20° | 385.0 | 383.8 | 383.8 | 323.4 | 266.5 | 372.5 | 353.6 | 305.2 | 313.3 | 359.2 | 450.0 |
| 22.5° | 383.8 | 381.8 | 379.0 | 378.6 | 434.2 | 362.5 | 368.1 | 441.5 | 459.2 | 526.6 | 508.4 |
| 25° | 521.7 | 516.5 | 437.5 | 381.4 | 431.4 | 406.0 | 491.9 | 504.8 | 466.9 | 546.3 | 520.1 |
| 27.5° | 566.5 | 556.4 | 531.4 | 487.1 | 434.6 | 493.5 | 491.1 | 501.6 | 514.9 | 746.7 | 714.9 |
| 30° | 769.3 | 721.7 | 587.9 | 565.7 | 519.7 | 499.6 | 559.6 | 596.3 | 650.3 | 731.4 | 744.7 |
| 32.5° | 860.8 | 843.5 | 778.2 | 696.3 | 607.2 | 539.5 | 612.0 | 602.8 | 655.2 | 889.0 | 954.8 |
| 35° | 1058.4 | 1037.0 | 858.0 | 784.2 | 706.0 | 661.2 | 629.4 | 704.0 | 768.5 | 924.5 | 972.9 |
| 37.5° | 1097.1 | 1092.2 | 1050.7 | 918.5 | 813.6 | 727.0 | 736.6 | 756.8 | 798.7 | 974.1 | 1024.1 |
| 40° | 1127.3 | 1127.7 | 1139.8 | 1025.7 | 912.8 | 832.6 | 803.6 | 804.0 | 839.8 | 1055.6 | 1089.8 |
| 42.5° | 1207.2 | 1210.4 | 1243.0 | 1121.3 | 1033.0 | 956.0 | 905.6 | 883.4 | 910.8 | 1149.1 | 1170.5 |
| 45° | 1351.1 | 1343.8 | 1371.7 | 1219.7 | 1123.3 | 1057.2 | 1016.9 | 983.0 | 997.5 | 1248.7 | 1273.3 |
| 47.5° | 1532.1 | 1516.8 | 1507.5 | 1342.2 | 1221.7 | 1164.8 | 1127.3 | 1091.8 | 1096.3 | 1343.8 | 1391.0 |
| 50° | 1672.0 | 1664.4 | 1616.4 | 1435.0 | 1306.3 | 1273.3 | 1257.6 | 1213.6 | 1194.7 | 1449.9 | 1525.7 |
| 52.5° | 1731.7 | 1724.5 | 1665.2 | 1505.1 | 1373.3 | 1376.9 | 1404.3 | 1347.1 | 1293.8 | 1564.8 | 1653.9 |
| 55° | 1721.2 | 1715.2 | 1676.1 | 1539.8 | 1421.7 | 1476.9 | 1548.7 | 1491.4 | 1422.5 | 1673.2 | 1784.5 |
| 57.5° | 1643.8 | 1646.6 | 1646.2 | 1542.2 | 1458.8 | 1570.8 | 1689.8 | 1640.6 | 1558.7 | 1780.9 | 1890.6 |
| 60° | 1472.9 | 1487.8 | 1543.4 | 1524.9 | 1505.9 | 1659.5 | 1826.9 | 1803.9 | 1717.2 | 1899.0 | 1988.5 |
| 62.5° | 1179.7 | 1209.2 | 1330.9 | 1430.1 | 1543.8 | 1783.7 | 1960.7 | 1963.5 | 1881.3 | 1990.6 | 2064.3 |
| 65° | 795.9 | 793.5 | 974.9 | 1220.9 | 1499.1 | 1978.9 | 2160.7 | 2155.1 | 2033.3 | 2095.0 | 2176.0 |
| 67.5° | 442.3 | 452.0 | 570.9 | 808.0 | 1326.9 | 2099.8 | 2544.5 | 2423.6 | 2243.0 | 2254.2 | 2332.9 |
| 70° | 273.8 | 285.5 | 325.4 | 451.6 | 849.5 | 1958.7 | 3037.7 | 2981.2 | 2630.4 | 2465.5 | 2396.2 |
| 72.5° | 208.0 | 214.5 | 246.8 | 320.1 | 511.2 | 1416.8 | 3201.3 | 3450.5 | 3072.3 | 2517.5 | 2258.3 |
| 75° | 124.2 | 131.8 | 175.8 | 276.6 | 426.2 | 733.4 | 2775.6 | 3292.5 | 3212.6 | 2484.5 | 1970.8 |
| 77.5° | 77.4 | 79.4 | 94.8 | 193.1 | 392.7 | 461.7 | 1901.5 | 2550.2 | 2618.3 | 2104.3 | 1392.6 |
| 80° | 59.3 | 59.7 | 65.3 | 102.8 | 317.3 | 437.1 | 1101.1 | 1703.1 | 1669.2 | 1123.7 | 547.1 |
| 82.5° | 37.5 | 39.9 | 50.8 | 62.9 | 150.8 | 426.2 | 650.8 | 969.7 | 853.6 | 304.0 | 152.4 |
| 85° | 19.0 | 21.4 | 35.9 | 43.1 | 73.0 | 461.7 | 461.7 | 497.1 | 349.6 | 102.0 | 57.7 |
| 87.5° | 3.2 | 3.2 | 4.8 | 11.3 | 14.5 | 78.2 | 129.0 | 112.5 | 74.2 | 13.7 | 11.3 |
| 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 2.0 | 2.0 | 2.0 | 1.6 | 1.2 | 0.8 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 |
| 5° | 2.0 | 2.0 | 2.0 | 1.6 | 1.2 | 0.8 | 0.4 | 0.4 | 0.8 | 1.2 | 1.2 |
| 7.5° | 2.0 | 2.0 | 2.0 | 1.6 | 1.2 | 1.2 | 0.8 | 1.6 | 3.6 | 47.2 | 31.9 |
| 10° | 2.4 | 2.4 | 2.4 | 2.0 | 1.6 | 4.4 | 137.9 | 145.6 | 146.0 | 145.1 | 143.5 |
| 12.5° | 12.9 | 14.1 | 10.5 | 3.6 | 14.9 | 138.3 | 132.7 | 126.2 | 123.8 | 121.0 | 121.0 |
| 15° | 254.8 | 251.6 | 237.5 | 175.0 | 107.2 | 123.4 | 110.9 | 102.4 | 158.9 | 156.8 | 158.5 |
| 17.5° | 255.6 | 250.0 | 229.8 | 250.4 | 232.2 | 110.9 | 125.8 | 136.7 | 129.0 | 126.2 | 127.4 |
| 20° | 485.0 | 458.8 | 233.0 | 233.4 | 199.2 | 196.8 | 106.8 | 100.8 | 102.0 | 104.4 | 105.2 |
| 22.5° | 493.9 | 463.7 | 357.6 | 302.4 | 171.0 | 157.6 | 109.3 | 87.5 | 129.4 | 143.9 | 145.6 |
| 25° | 497.9 | 460.0 | 337.9 | 267.7 | 193.1 | 118.1 | 105.6 | 96.0 | 118.1 | 132.7 | 133.5 |
| 27.5° | 704.0 | 637.9 | 461.7 | 227.4 | 149.2 | 103.6 | 98.8 | 90.3 | 106.0 | 131.4 | 131.8 |
| 30° | 697.9 | 620.1 | 427.8 | 220.1 | 115.3 | 95.6 | 85.5 | 94.3 | 100.0 | 106.8 | 106.8 |
| 32.5° | 907.6 | 795.9 | 474.6 | 177.4 | 96.8 | 79.4 | 80.6 | 85.9 | 86.3 | 102.0 | 103.2 |
| 35° | 908.0 | 778.6 | 408.8 | 162.1 | 83.1 | 72.6 | 73.8 | 79.4 | 87.9 | 98.0 | 99.6 |
| 37.5° | 922.1 | 770.9 | 352.4 | 126.2 | 83.1 | 72.6 | 70.2 | 75.8 | 81.8 | 96.0 | 97.6 |
| 40° | 951.9 | 774.1 | 298.8 | 104.8 | 80.2 | 71.4 | 69.3 | 73.8 | 81.0 | 89.1 | 89.9 |
| 42.5° | 1002.7 | 792.3 | 248.0 | 94.8 | 78.2 | 71.4 | 66.5 | 69.8 | 73.8 | 90.3 | 91.9 |
| 45° | 1083.4 | 831.0 | 208.9 | 90.7 | 77.4 | 68.5 | 63.3 | 64.1 | 66.9 | 106.8 | 111.3 |
| 47.5° | 1177.7 | 884.6 | 175.0 | 88.7 | 76.2 | 65.7 | 58.5 | 59.3 | 65.7 | 121.4 | 127.4 |
| 50° | 1286.6 | 964.0 | 154.8 | 88.3 | 75.0 | 61.7 | 54.8 | 59.3 | 72.6 | 121.0 | 123.8 |
| 52.5° | 1414.4 | 1044.7 | 143.9 | 89.9 | 74.2 | 58.1 | 56.9 | 66.5 | 68.9 | 97.2 | 97.2 |
| 55° | 1529.3 | 1134.2 | 144.7 | 91.1 | 71.8 | 58.1 | 58.5 | 56.4 | 54.4 | 66.9 | 67.3 |
| 57.5° | 1642.2 | 1223.3 | 158.1 | 88.7 | 68.1 | 58.5 | 50.4 | 46.4 | 47.2 | 56.9 | 58.1 |
| 60° | 1740.2 | 1309.2 | 198.0 | 83.5 | 64.9 | 52.8 | 46.8 | 43.5 | 44.4 | 57.3 | 58.5 |
| 62.5° | 1845.8 | 1414.0 | 274.2 | 85.5 | 64.5 | 50.0 | 43.5 | 39.9 | 41.5 | 47.6 | 48.4 |
| 65° | 1988.5 | 1560.4 | 342.7 | 100.8 | 66.9 | 48.4 | 39.9 | 37.9 | 38.3 | 38.7 | 38.7 |
| 67.5° | 2128.5 | 1650.7 | 330.6 | 118.9 | 75.0 | 47.6 | 37.9 | 35.5 | 35.1 | 35.1 | 35.1 |
| 70° | 2114.7 | 1552.7 | 262.1 | 126.2 | 81.4 | 47.6 | 36.3 | 33.1 | 32.3 | 32.3 | 32.3 |
| 72.5° | 1916.8 | 1328.1 | 201.2 | 116.9 | 75.0 | 45.6 | 33.9 | 30.2 | 29.0 | 29.0 | 29.0 |
| 75° | 1630.9 | 1065.2 | 168.9 | 101.6 | 61.3 | 39.1 | 29.8 | 27.0 | 26.2 | 26.2 | 25.8 |
| 77.5° | 1041.8 | 629.8 | 143.5 | 82.7 | 47.2 | 31.9 | 25.8 | 23.4 | 23.4 | 23.4 | 22.2 |
| 80° | 418.1 | 277.0 | 111.7 | 65.3 | 36.7 | 25.4 | 21.4 | 20.2 | 19.8 | 19.4 | 18.1 |
| 82.5° | 158.9 | 136.7 | 72.6 | 47.6 | 28.2 | 19.4 | 17.3 | 16.1 | 16.1 | 15.7 | 13.7 |
| 85° | 56.9 | 53.2 | 33.5 | 27.4 | 17.3 | 12.1 | 13.3 | 12.1 | 11.7 | 10.5 | 8.9 |
| 87.5° | 12.1 | 13.3 | 9.3 | 6.0 | 6.0 | 3.6 | 4.4 | 4.8 | 4.8 | 4.4 | 2.4 |
| 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)