

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: P415346

Luminaire Tested: **LXF.LXT-PA1-50-722-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415346
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-PA1-50-722-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 670mA 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: 4774 lumens
Efficiency: N/A
Efficacy: 88.4 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

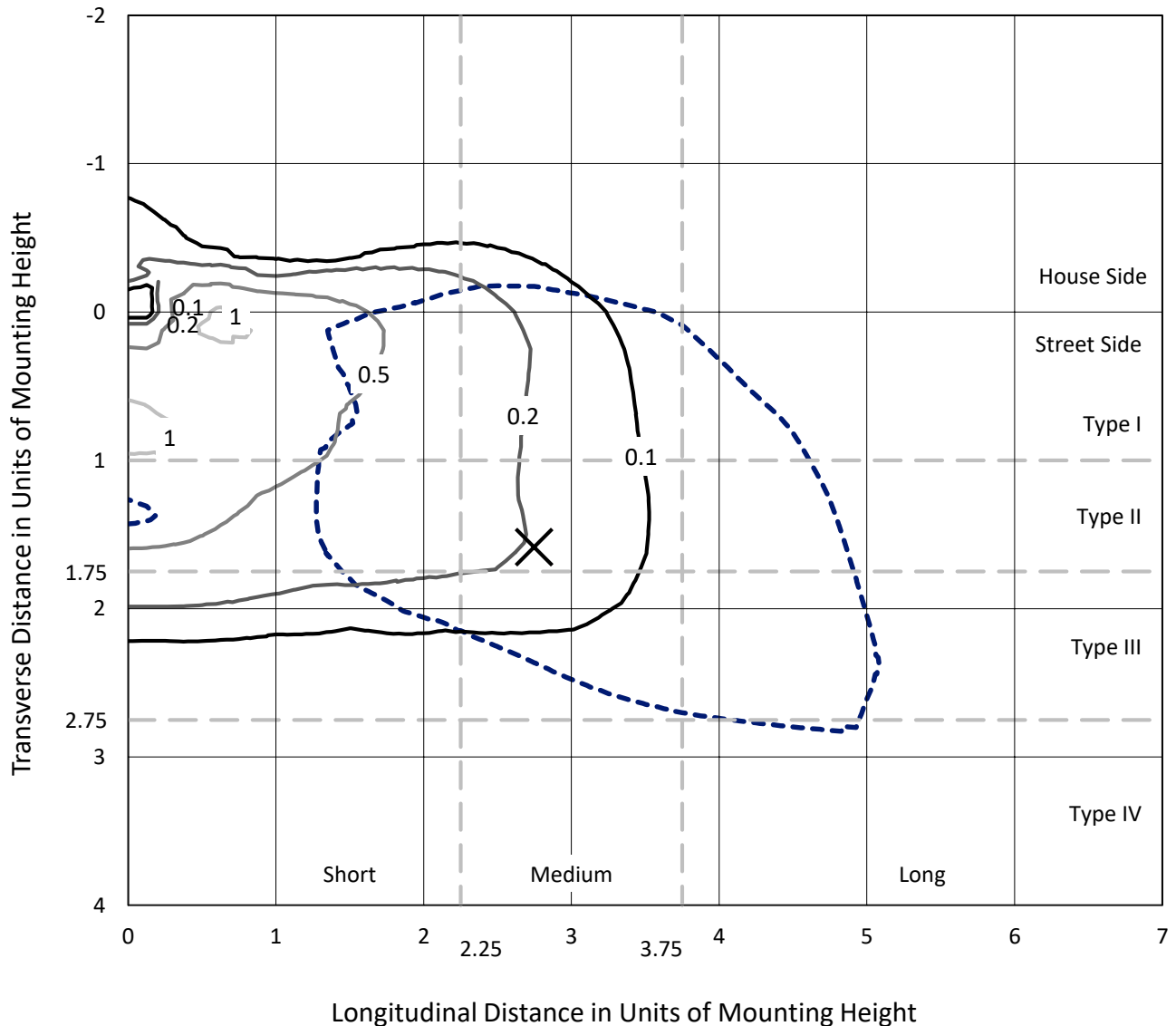
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

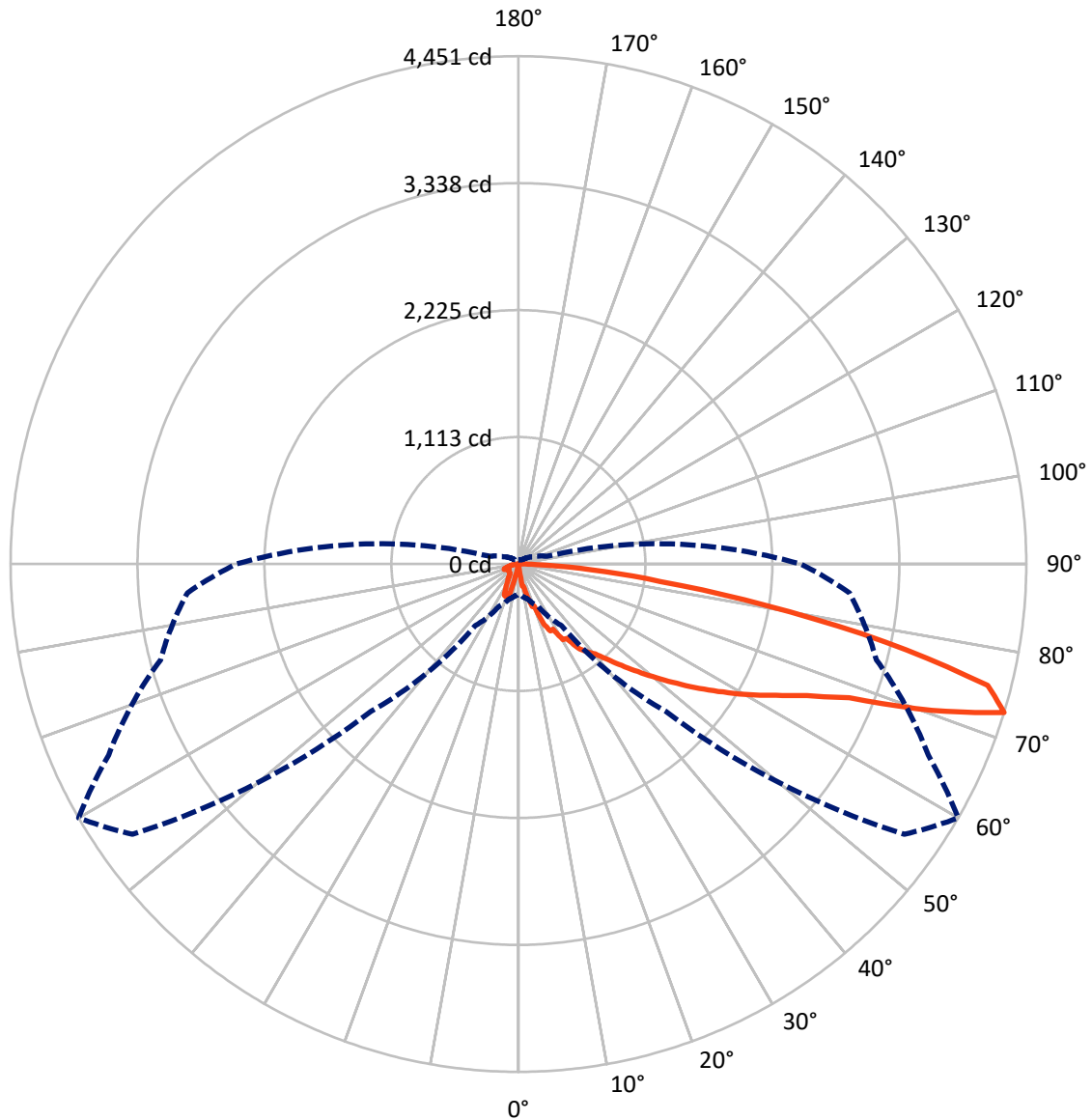


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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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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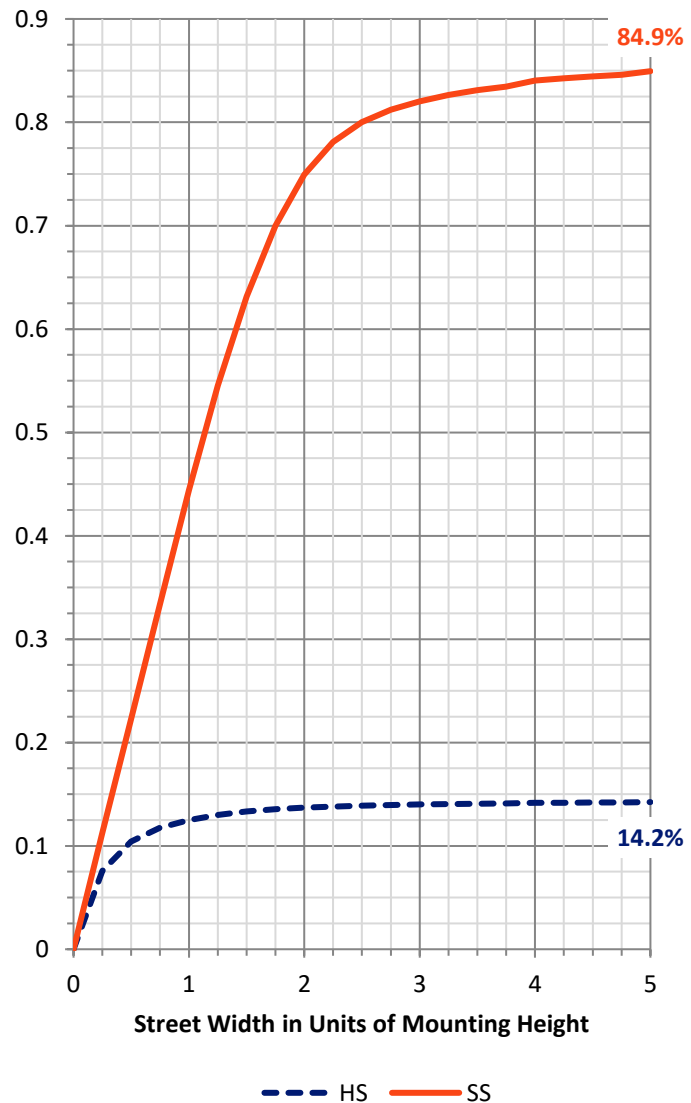
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 687.5 | 0.0 | 687.5 |
| | % Fixture | 14.4 | 0.0 | 14.4 |
| Street Side | Lumens | 4086.5 | 0.0 | 4086.5 |
| | % Fixture | 85.6 | 0.0 | 85.6 |
| Total | Lumens | 4774.0 | 0.0 | 4774.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.0 | 0.1 |
| 10°-20° | 69.6 | 1.5 |
| 20°-30° | 209.6 | 4.4 |
| 30°-40° | 414.5 | 8.7 |
| 40°-50° | 686.6 | 14.4 |
| 50°-60° | 1025.7 | 21.5 |
| 60°-70° | 1220.2 | 25.6 |
| 70°-80° | 976.8 | 20.5 |
| 80°-90° | 165.8 | 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° | 4774.0 | 100.0 |
| 0°-180° | 4774.0 | 100.0 |

Coefficient of Utilization



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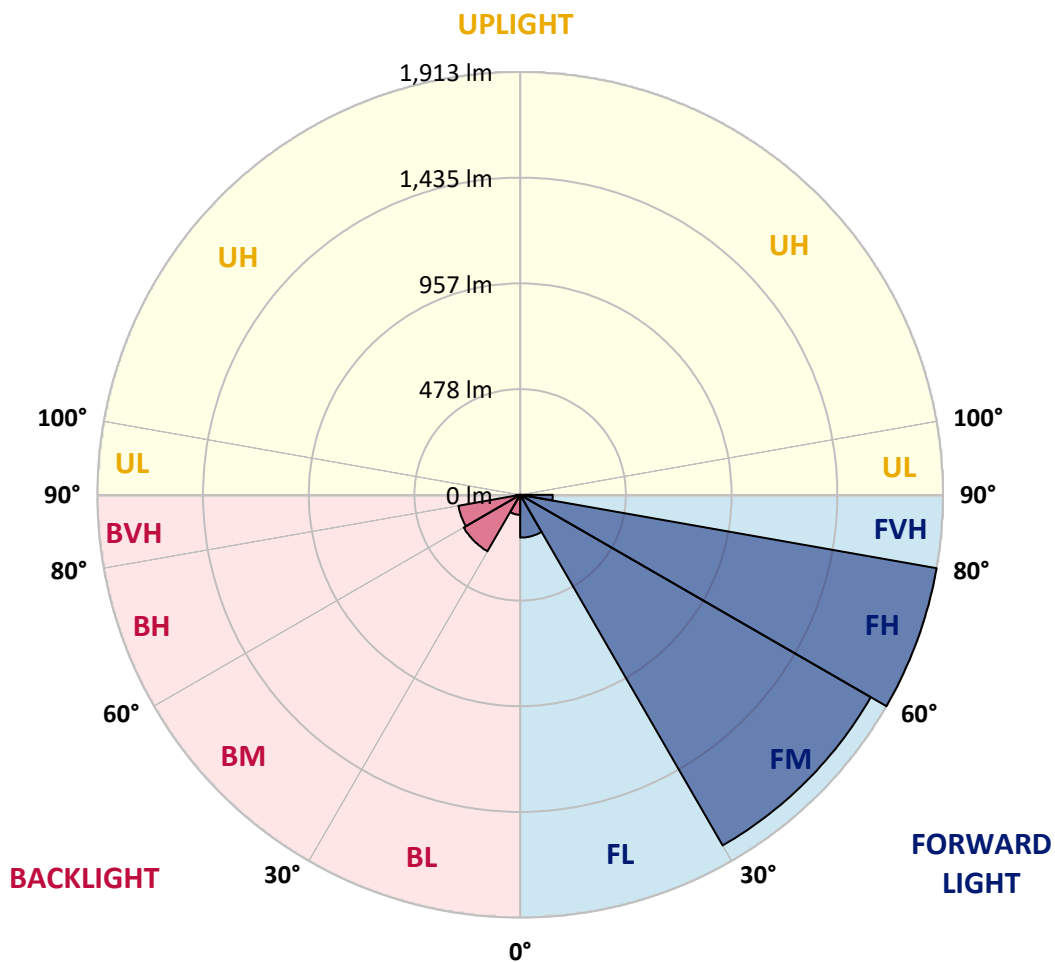
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 193.8 | 4.1 | | | |
| FM | (30°-60°) | 1831.9 | 38.4 | | | |
| FH | (60°-80°) | 1913.3 | 40.1 | | | G2/5000 |
| FVH | (80°-90°) | 147.5 | 3.1 | | | G2/225 |
| BL | (0°-30°) | 90.5 | 1.9 | B0/110 | | |
| BM | (30°-60°) | 295.0 | 6.2 | B1/1000 | | |
| BH | (60°-80°) | 283.8 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 18.3 | 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° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 2.6 | 2.6 | 3.1 | 3.6 | 3.6 | 3.1 | 2.6 | 2.6 | 2.6 | 2.1 | 2.6 |
| 5° | 178.4 | 90.0 | 60.3 | 28.6 | 21.3 | 10.4 | 4.2 | 3.1 | 3.1 | 2.6 | 2.6 |
| 7.5° | 204.9 | 204.9 | 205.4 | 207.5 | 209.1 | 210.1 | 26.0 | 13.5 | 5.2 | 2.6 | 2.6 |
| 10° | 197.6 | 196.1 | 197.1 | 199.2 | 201.3 | 204.4 | 208.0 | 197.6 | 23.4 | 4.2 | 3.1 |
| 12.5° | 365.1 | 364.1 | 351.6 | 214.3 | 198.7 | 198.7 | 203.9 | 204.4 | 160.7 | 15.6 | 15.1 |
| 15° | 352.1 | 351.6 | 353.1 | 356.8 | 362.5 | 205.4 | 208.6 | 303.7 | 395.8 | 278.8 | 324.0 |
| 17.5° | 362.0 | 357.8 | 348.5 | 346.4 | 351.6 | 330.3 | 388.5 | 393.2 | 402.0 | 320.4 | 328.2 |
| 20° | 496.7 | 495.1 | 495.1 | 417.1 | 343.8 | 480.6 | 456.1 | 393.7 | 404.1 | 463.4 | 580.4 |
| 22.5° | 495.1 | 492.5 | 488.9 | 488.4 | 560.1 | 467.6 | 474.8 | 569.5 | 592.4 | 679.2 | 655.8 |
| 25° | 673.0 | 666.2 | 564.3 | 492.0 | 556.5 | 523.7 | 634.5 | 651.1 | 602.3 | 704.7 | 670.9 |
| 27.5° | 730.7 | 717.7 | 685.5 | 628.3 | 560.7 | 636.6 | 633.5 | 647.0 | 664.2 | 963.2 | 922.1 |
| 30° | 992.3 | 931.0 | 758.3 | 729.7 | 670.4 | 644.4 | 721.9 | 769.2 | 838.9 | 943.4 | 960.6 |
| 32.5° | 1110.4 | 1088.0 | 1003.8 | 898.2 | 783.3 | 695.9 | 789.5 | 777.5 | 845.1 | 1146.8 | 1231.6 |
| 35° | 1365.2 | 1337.7 | 1106.7 | 1011.6 | 910.7 | 852.9 | 811.9 | 908.1 | 991.3 | 1192.6 | 1255.0 |
| 37.5° | 1415.2 | 1408.9 | 1355.3 | 1184.8 | 1049.5 | 937.7 | 950.2 | 976.2 | 1030.3 | 1256.5 | 1321.0 |
| 40° | 1454.2 | 1454.7 | 1470.3 | 1323.1 | 1177.5 | 1074.0 | 1036.5 | 1037.1 | 1083.3 | 1361.6 | 1405.8 |
| 42.5° | 1557.1 | 1561.3 | 1603.4 | 1446.4 | 1332.5 | 1233.1 | 1168.1 | 1139.5 | 1174.9 | 1482.2 | 1509.8 |
| 45° | 1742.8 | 1733.4 | 1769.3 | 1573.3 | 1449.0 | 1363.7 | 1311.7 | 1268.0 | 1286.7 | 1610.7 | 1642.4 |
| 47.5° | 1976.3 | 1956.6 | 1944.6 | 1731.4 | 1575.9 | 1502.5 | 1454.2 | 1408.4 | 1414.1 | 1733.4 | 1794.3 |
| 50° | 2156.8 | 2146.9 | 2085.0 | 1851.0 | 1685.1 | 1642.4 | 1622.2 | 1565.5 | 1541.0 | 1870.2 | 1968.0 |
| 52.5° | 2233.8 | 2224.4 | 2148.0 | 1941.5 | 1771.4 | 1776.1 | 1811.5 | 1737.6 | 1669.0 | 2018.5 | 2133.4 |
| 55° | 2220.3 | 2212.4 | 2162.0 | 1986.2 | 1833.8 | 1905.1 | 1997.7 | 1923.8 | 1834.9 | 2158.4 | 2301.9 |
| 57.5° | 2120.4 | 2124.0 | 2123.5 | 1989.3 | 1881.7 | 2026.3 | 2179.7 | 2116.2 | 2010.7 | 2297.2 | 2438.7 |
| 60° | 1899.9 | 1919.1 | 1990.9 | 1967.0 | 1942.5 | 2140.7 | 2356.5 | 2326.9 | 2215.0 | 2449.6 | 2565.1 |
| 62.5° | 1521.8 | 1559.7 | 1716.8 | 1844.7 | 1991.4 | 2300.9 | 2529.2 | 2532.8 | 2426.7 | 2567.7 | 2662.8 |
| 65° | 1026.7 | 1023.5 | 1257.6 | 1574.8 | 1933.7 | 2552.6 | 2787.1 | 2779.9 | 2622.8 | 2702.4 | 2806.9 |
| 67.5° | 570.5 | 583.0 | 736.4 | 1042.3 | 1711.6 | 2708.6 | 3282.3 | 3126.2 | 2893.2 | 2907.8 | 3009.2 |
| 70° | 353.1 | 368.2 | 419.7 | 582.5 | 1095.8 | 2526.6 | 3918.3 | 3845.5 | 3393.0 | 3180.3 | 3090.9 |
| 72.5° | 268.4 | 276.7 | 318.3 | 412.9 | 659.5 | 1827.6 | 4129.5 | 4450.9 | 3963.1 | 3247.4 | 2913.0 |
| 75° | 160.2 | 170.1 | 226.8 | 356.8 | 549.7 | 946.0 | 3580.3 | 4247.0 | 4144.1 | 3204.8 | 2542.2 |
| 77.5° | 99.9 | 102.5 | 122.2 | 249.1 | 506.6 | 595.5 | 2452.7 | 3289.5 | 3377.4 | 2714.3 | 1796.4 |
| 80° | 76.5 | 77.0 | 84.3 | 132.6 | 409.3 | 563.8 | 1420.4 | 2196.8 | 2153.2 | 1449.5 | 705.8 |
| 82.5° | 48.4 | 51.5 | 65.5 | 81.1 | 194.5 | 549.7 | 839.4 | 1250.8 | 1101.0 | 392.1 | 196.6 |
| 85° | 24.4 | 27.6 | 46.3 | 55.6 | 94.1 | 595.5 | 595.5 | 641.3 | 450.9 | 131.6 | 74.4 |
| 87.5° | 4.2 | 4.2 | 6.2 | 14.6 | 18.7 | 100.9 | 166.4 | 145.1 | 95.7 | 17.7 | 14.6 |
| 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° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 2.6 | 2.6 | 2.6 | 2.1 | 1.6 | 1.0 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 |
| 5° | 2.6 | 2.6 | 2.6 | 2.1 | 1.6 | 1.0 | 0.5 | 0.5 | 1.0 | 1.6 | 1.6 |
| 7.5° | 2.6 | 2.6 | 2.6 | 2.1 | 1.6 | 1.6 | 1.0 | 2.1 | 4.7 | 60.9 | 41.1 |
| 10° | 3.1 | 3.1 | 3.1 | 2.6 | 2.1 | 5.7 | 177.9 | 187.8 | 188.3 | 187.2 | 185.2 |
| 12.5° | 16.6 | 18.2 | 13.5 | 4.7 | 19.2 | 178.4 | 171.1 | 162.8 | 159.7 | 156.0 | 156.0 |
| 15° | 328.7 | 324.5 | 306.3 | 225.7 | 138.3 | 159.1 | 143.0 | 132.1 | 204.9 | 202.3 | 204.4 |
| 17.5° | 329.7 | 322.5 | 296.4 | 323.0 | 299.6 | 143.0 | 162.3 | 176.3 | 166.4 | 162.8 | 164.3 |
| 20° | 625.7 | 591.9 | 300.6 | 301.1 | 256.9 | 253.8 | 137.8 | 130.0 | 131.6 | 134.7 | 135.7 |
| 22.5° | 637.1 | 598.1 | 461.3 | 390.1 | 220.5 | 203.4 | 140.9 | 112.9 | 166.9 | 185.7 | 187.8 |
| 25° | 642.3 | 593.4 | 435.8 | 345.3 | 249.1 | 152.4 | 136.3 | 123.8 | 152.4 | 171.1 | 172.1 |
| 27.5° | 908.1 | 822.8 | 595.5 | 293.3 | 192.4 | 133.7 | 127.4 | 116.5 | 136.8 | 169.5 | 170.1 |
| 30° | 900.3 | 799.9 | 551.8 | 284.0 | 148.7 | 123.3 | 110.3 | 121.7 | 129.0 | 137.8 | 137.8 |
| 32.5° | 1170.7 | 1026.7 | 612.1 | 228.8 | 124.8 | 102.5 | 104.0 | 110.8 | 111.3 | 131.6 | 133.1 |
| 35° | 1171.2 | 1004.3 | 527.4 | 209.1 | 107.1 | 93.6 | 95.2 | 102.5 | 113.4 | 126.4 | 128.5 |
| 37.5° | 1189.4 | 994.4 | 454.6 | 162.8 | 107.1 | 93.6 | 90.5 | 97.8 | 105.6 | 123.8 | 125.9 |
| 40° | 1227.9 | 998.6 | 385.4 | 135.2 | 103.5 | 92.1 | 89.5 | 95.2 | 104.5 | 114.9 | 116.0 |
| 42.5° | 1293.5 | 1022.0 | 319.9 | 122.2 | 100.9 | 92.1 | 85.8 | 90.0 | 95.2 | 116.5 | 118.6 |
| 45° | 1397.5 | 1071.9 | 269.4 | 117.0 | 99.9 | 88.4 | 81.7 | 82.7 | 86.3 | 137.8 | 143.5 |
| 47.5° | 1519.2 | 1141.1 | 225.7 | 114.4 | 98.3 | 84.8 | 75.4 | 76.5 | 84.8 | 156.5 | 164.3 |
| 50° | 1659.6 | 1243.5 | 199.7 | 113.9 | 96.7 | 79.6 | 70.7 | 76.5 | 93.6 | 156.0 | 159.7 |
| 52.5° | 1824.5 | 1347.5 | 185.7 | 116.0 | 95.7 | 74.9 | 73.3 | 85.8 | 88.9 | 125.3 | 125.3 |
| 55° | 1972.7 | 1463.0 | 186.7 | 117.5 | 92.6 | 74.9 | 75.4 | 72.8 | 70.2 | 86.3 | 86.9 |
| 57.5° | 2118.3 | 1577.9 | 203.9 | 114.4 | 87.9 | 75.4 | 65.0 | 59.8 | 60.9 | 73.3 | 74.9 |
| 60° | 2244.7 | 1688.7 | 255.4 | 107.7 | 83.7 | 68.1 | 60.3 | 56.2 | 57.2 | 73.9 | 75.4 |
| 62.5° | 2381.0 | 1823.9 | 353.7 | 110.3 | 83.2 | 64.5 | 56.2 | 51.5 | 53.6 | 61.4 | 62.4 |
| 65° | 2565.1 | 2012.7 | 442.1 | 130.0 | 86.3 | 62.4 | 51.5 | 48.9 | 49.4 | 49.9 | 49.9 |
| 67.5° | 2745.5 | 2129.2 | 426.5 | 153.4 | 96.7 | 61.4 | 48.9 | 45.8 | 45.2 | 45.2 | 45.2 |
| 70° | 2727.9 | 2002.9 | 338.1 | 162.8 | 105.1 | 61.4 | 46.8 | 42.6 | 41.6 | 41.6 | 41.6 |
| 72.5° | 2472.5 | 1713.2 | 259.5 | 150.8 | 96.7 | 58.8 | 43.7 | 39.0 | 37.4 | 37.4 | 37.4 |
| 75° | 2103.8 | 1374.1 | 217.9 | 131.1 | 79.1 | 50.4 | 38.5 | 34.8 | 33.8 | 33.8 | 33.3 |
| 77.5° | 1343.9 | 812.4 | 185.2 | 106.6 | 60.9 | 41.1 | 33.3 | 30.2 | 30.2 | 30.2 | 28.6 |
| 80° | 539.3 | 357.3 | 144.1 | 84.3 | 47.3 | 32.8 | 27.6 | 26.0 | 25.5 | 25.0 | 23.4 |
| 82.5° | 204.9 | 176.3 | 93.6 | 61.4 | 36.4 | 25.0 | 22.4 | 20.8 | 20.8 | 20.3 | 17.7 |
| 85° | 73.3 | 68.7 | 43.2 | 35.4 | 22.4 | 15.6 | 17.2 | 15.6 | 15.1 | 13.5 | 11.4 |
| 87.5° | 15.6 | 17.2 | 12.0 | 7.8 | 7.8 | 4.7 | 5.7 | 6.2 | 6.2 | 5.7 | 3.1 |
| 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)