

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: P415138

Luminaire Tested: **LXF.LXT-PA1-40-750-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415138
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-PA1-40-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 5035 lumens
Efficiency: N/A
Efficacy: 125.9 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

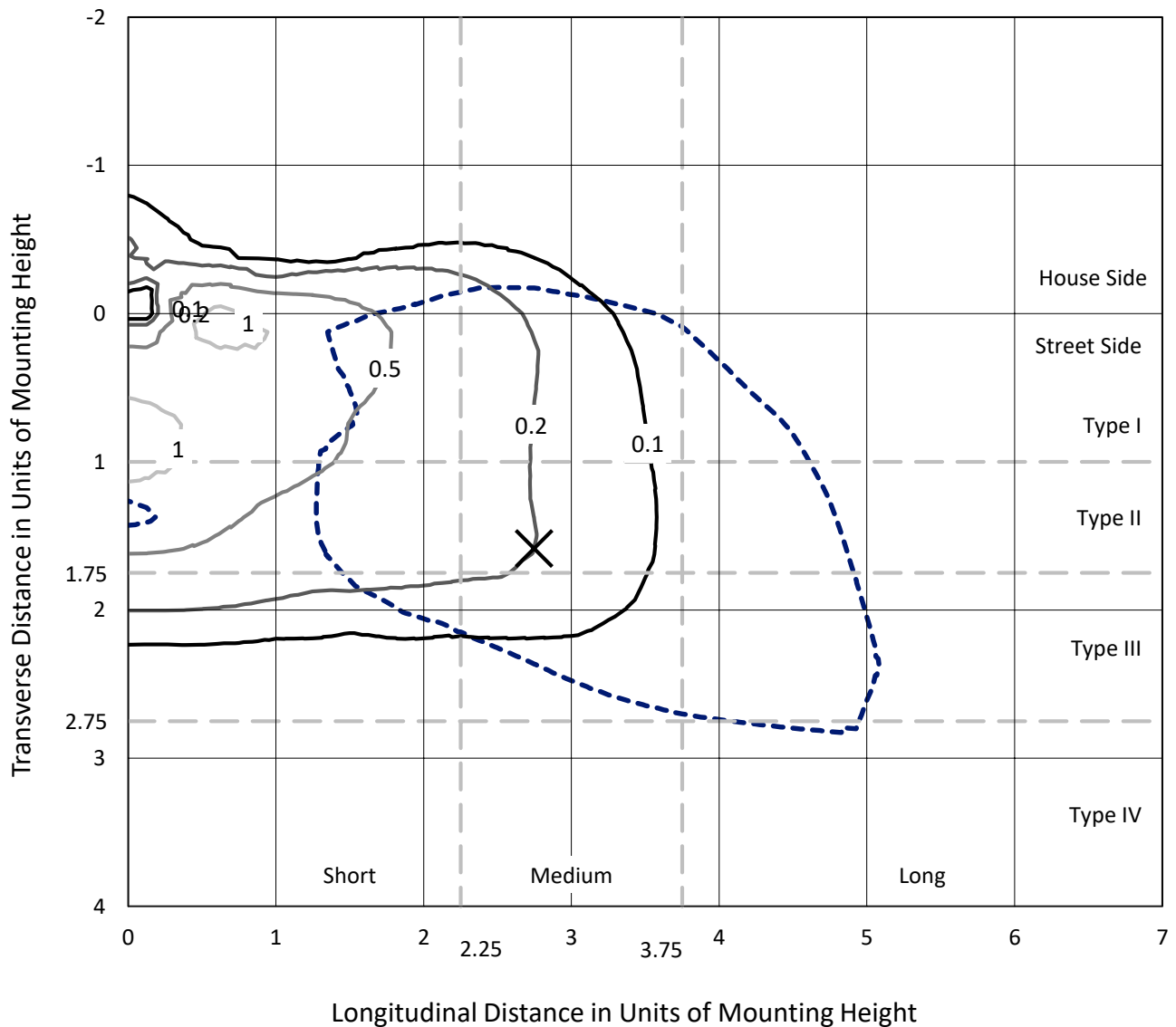
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

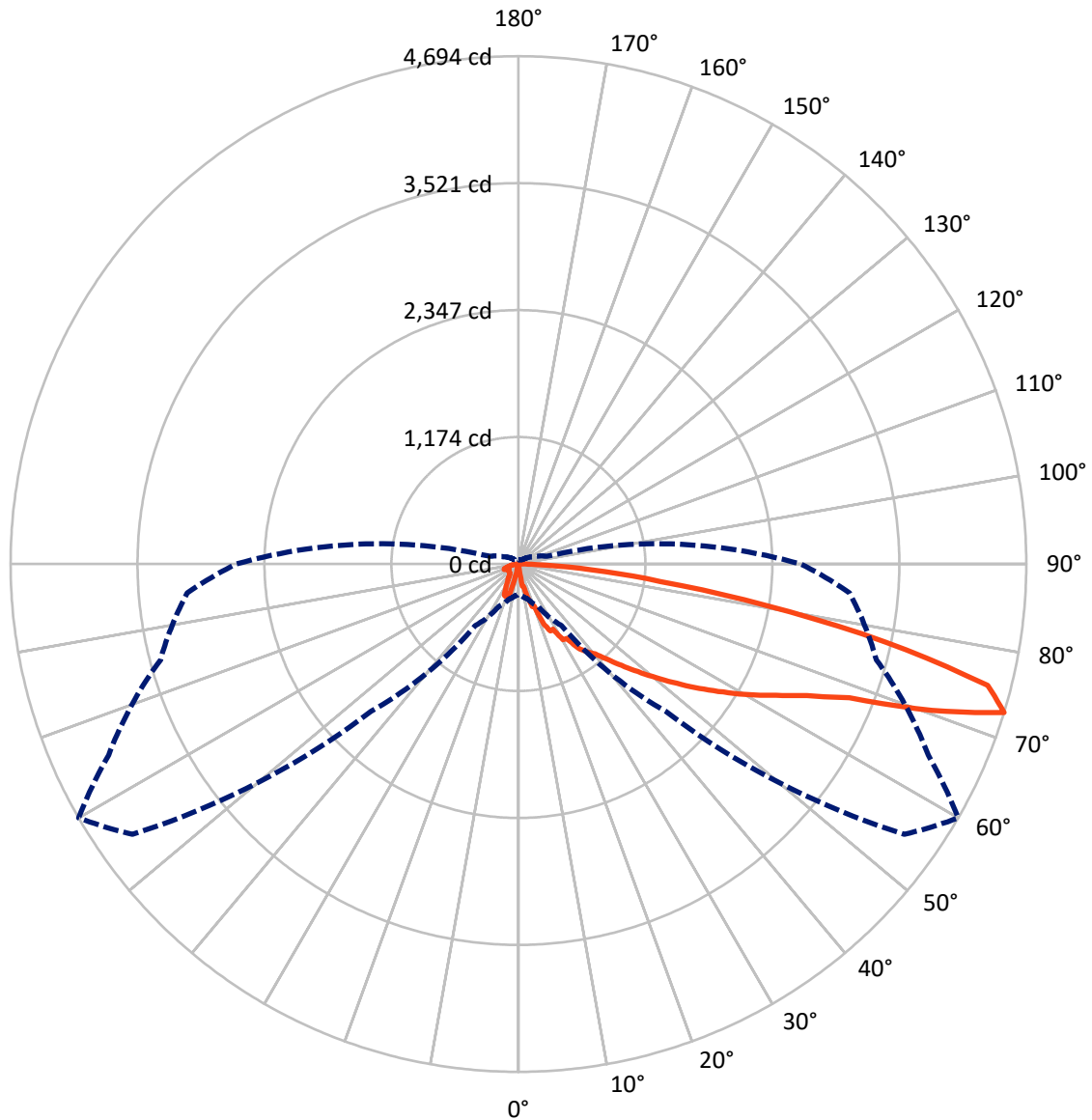
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3

Luminous Intensity Polar Plot



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



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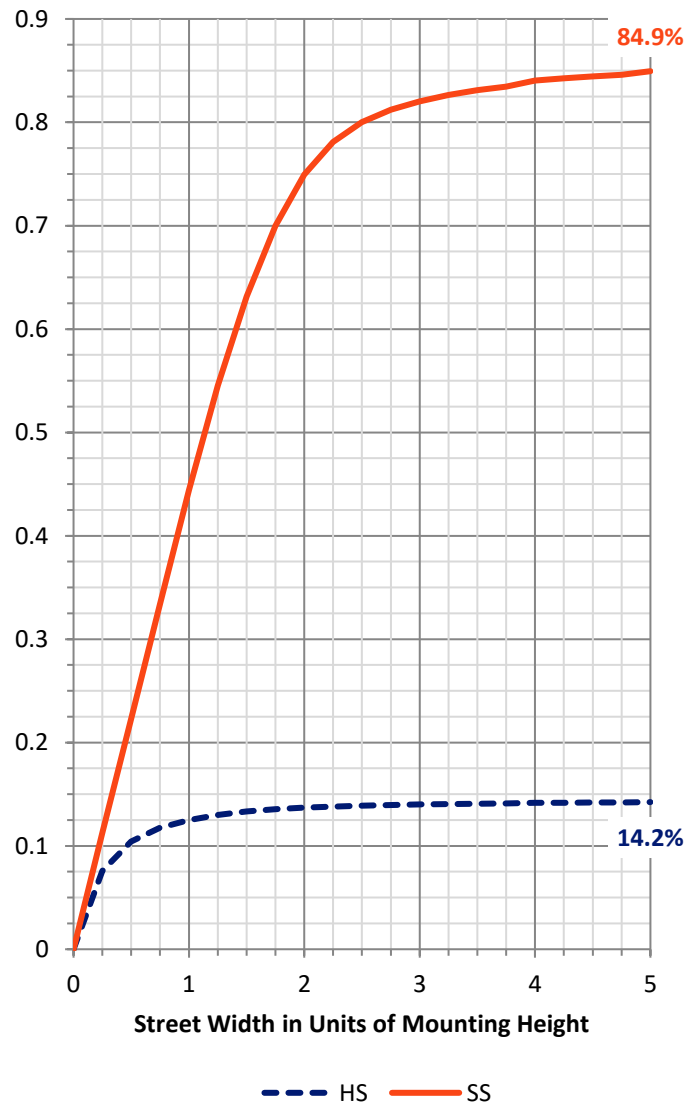
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 725.1 | 0.0 | 725.1 |
| | % Fixture | 14.4 | 0.0 | 14.4 |
| Street Side | Lumens | 4309.9 | 0.0 | 4309.9 |
| | % Fixture | 85.6 | 0.0 | 85.6 |
| Total | Lumens | 5035.0 | 0.0 | 5035.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.3 | 0.1 |
| 10°-20° | 73.4 | 1.5 |
| 20°-30° | 221.0 | 4.4 |
| 30°-40° | 437.2 | 8.7 |
| 40°-50° | 724.2 | 14.4 |
| 50°-60° | 1081.8 | 21.5 |
| 60°-70° | 1286.9 | 25.6 |
| 70°-80° | 1030.2 | 20.5 |
| 80°-90° | 174.9 | 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° | 5035.0 | 100.0 |
| 0°-180° | 5035.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P415138

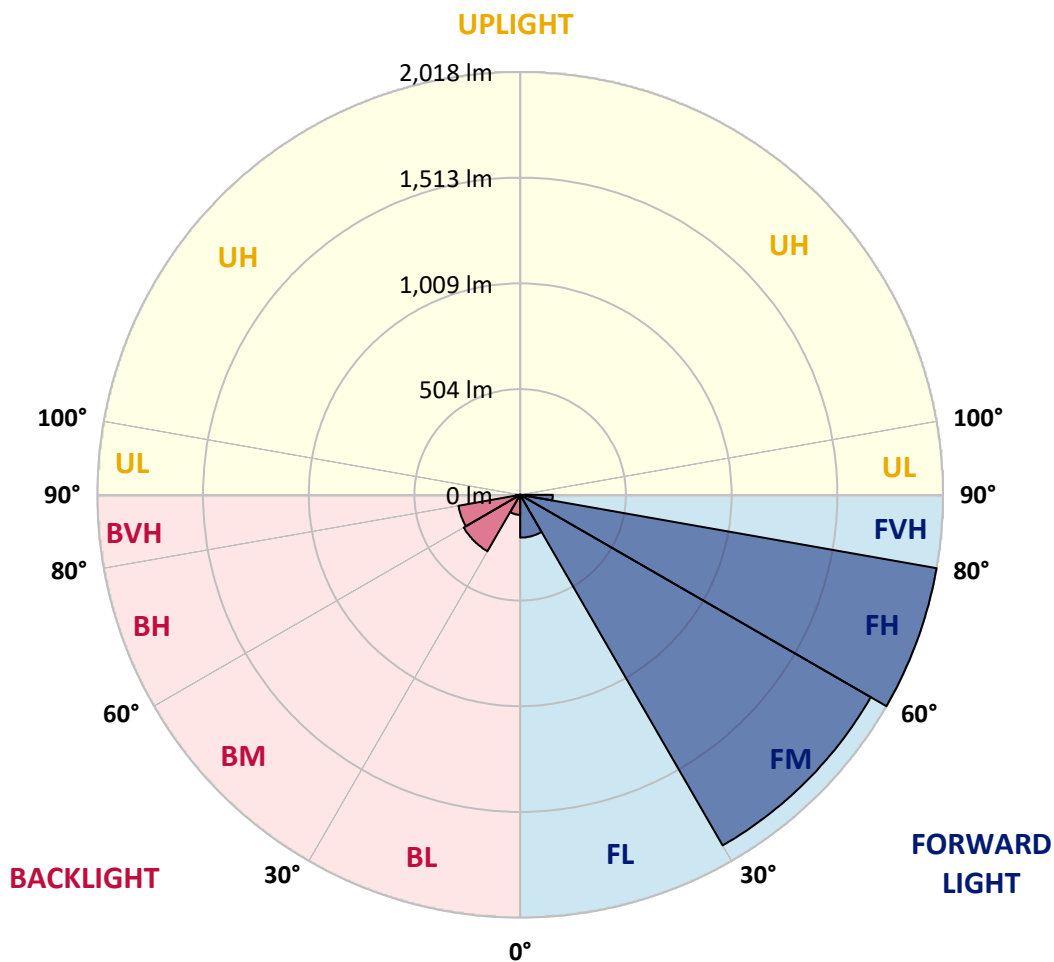
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 204.3 | 4.1 | | | |
| FM | (30°-60°) | 1932.1 | 38.4 | | | |
| FH | (60°-80°) | 2017.9 | 40.1 | | | G2/5000 |
| FVH | (80°-90°) | 155.6 | 3.1 | | | G2/225 |
| BL | (0°-30°) | 95.4 | 1.9 | B0/110 | | |
| BM | (30°-60°) | 311.1 | 6.2 | B1/1000 | | |
| BH | (60°-80°) | 299.3 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.3 | 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





REPORT NUMBER: P415138

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 2.5° | 2.7 | 2.7 | 3.3 | 3.8 | 3.8 | 3.3 | 2.7 | 2.7 | 2.7 | 2.2 | 2.7 |
| 5° | 188.1 | 94.9 | 63.6 | 30.2 | 22.5 | 11.0 | 4.4 | 3.3 | 3.3 | 2.7 | 2.7 |
| 7.5° | 216.1 | 216.1 | 216.7 | 218.9 | 220.5 | 221.6 | 27.4 | 14.3 | 5.5 | 2.7 | 2.7 |
| 10° | 208.4 | 206.8 | 207.9 | 210.1 | 212.3 | 215.6 | 219.4 | 208.4 | 24.7 | 4.4 | 3.3 |
| 12.5° | 385.1 | 384.0 | 370.8 | 226.0 | 209.5 | 209.5 | 215.0 | 215.6 | 169.5 | 16.5 | 15.9 |
| 15° | 371.3 | 370.8 | 372.4 | 376.3 | 382.3 | 216.7 | 220.0 | 320.3 | 417.4 | 294.0 | 341.7 |
| 17.5° | 381.8 | 377.4 | 367.5 | 365.3 | 370.8 | 348.3 | 409.7 | 414.7 | 424.0 | 337.9 | 346.1 |
| 20° | 523.8 | 522.2 | 522.2 | 439.9 | 362.6 | 506.8 | 481.1 | 415.2 | 426.2 | 488.7 | 612.1 |
| 22.5° | 522.2 | 519.4 | 515.6 | 515.1 | 590.8 | 493.1 | 500.8 | 600.6 | 624.8 | 716.4 | 691.7 |
| 25° | 709.8 | 702.7 | 595.1 | 518.9 | 586.9 | 552.4 | 669.2 | 686.7 | 635.2 | 743.2 | 707.6 |
| 27.5° | 770.7 | 757.0 | 722.9 | 662.6 | 591.3 | 671.4 | 668.1 | 682.4 | 700.5 | 1015.9 | 972.5 |
| 30° | 1046.6 | 981.9 | 799.7 | 769.6 | 707.0 | 679.6 | 761.3 | 811.3 | 884.8 | 995.0 | 1013.1 |
| 32.5° | 1171.1 | 1147.5 | 1058.6 | 947.3 | 826.1 | 733.9 | 832.7 | 820.0 | 891.3 | 1209.5 | 1298.9 |
| 35° | 1439.9 | 1410.8 | 1167.3 | 1066.9 | 960.5 | 899.6 | 856.2 | 957.7 | 1045.5 | 1257.8 | 1323.6 |
| 37.5° | 1492.5 | 1485.9 | 1429.4 | 1249.5 | 1106.9 | 989.0 | 1002.1 | 1029.6 | 1086.6 | 1325.2 | 1393.2 |
| 40° | 1533.7 | 1534.2 | 1550.7 | 1395.4 | 1241.9 | 1132.7 | 1093.2 | 1093.7 | 1142.6 | 1436.0 | 1482.7 |
| 42.5° | 1642.3 | 1646.7 | 1691.1 | 1525.4 | 1405.3 | 1300.5 | 1232.0 | 1201.8 | 1239.1 | 1563.3 | 1592.4 |
| 45° | 1838.1 | 1828.2 | 1866.1 | 1659.3 | 1528.2 | 1438.2 | 1383.4 | 1337.3 | 1357.0 | 1698.8 | 1732.2 |
| 47.5° | 2084.4 | 2063.5 | 2050.9 | 1826.0 | 1662.0 | 1584.7 | 1533.7 | 1485.4 | 1491.4 | 1828.2 | 1892.4 |
| 50° | 2274.7 | 2264.3 | 2199.0 | 1952.2 | 1777.2 | 1732.2 | 1710.8 | 1651.0 | 1625.3 | 1972.5 | 2075.6 |
| 52.5° | 2355.9 | 2346.0 | 2265.4 | 2047.6 | 1868.3 | 1873.2 | 1910.5 | 1832.6 | 1760.2 | 2128.8 | 2250.0 |
| 55° | 2341.6 | 2333.4 | 2280.2 | 2094.8 | 1934.1 | 2009.2 | 2106.9 | 2029.0 | 1935.2 | 2276.4 | 2427.8 |
| 57.5° | 2236.3 | 2240.2 | 2239.6 | 2098.1 | 1984.5 | 2137.0 | 2298.8 | 2231.9 | 2120.6 | 2422.8 | 2572.0 |
| 60° | 2003.7 | 2024.0 | 2099.7 | 2074.5 | 2048.7 | 2257.7 | 2485.3 | 2454.1 | 2336.1 | 2583.5 | 2705.3 |
| 62.5° | 1605.0 | 1645.0 | 1810.7 | 1945.6 | 2100.3 | 2426.7 | 2667.5 | 2671.3 | 2559.4 | 2708.0 | 2808.4 |
| 65° | 1082.8 | 1079.5 | 1326.3 | 1660.9 | 2039.4 | 2692.1 | 2939.5 | 2931.8 | 2766.2 | 2850.1 | 2960.4 |
| 67.5° | 601.7 | 614.9 | 776.7 | 1099.2 | 1805.2 | 2856.7 | 3461.7 | 3297.2 | 3051.4 | 3066.8 | 3173.7 |
| 70° | 372.4 | 388.4 | 442.7 | 614.3 | 1155.7 | 2664.7 | 4132.6 | 4055.8 | 3578.5 | 3354.2 | 3259.9 |
| 72.5° | 283.0 | 291.8 | 335.7 | 435.5 | 695.5 | 1927.5 | 4355.3 | 4694.2 | 4179.7 | 3425.0 | 3072.3 |
| 75° | 168.9 | 179.4 | 239.2 | 376.3 | 579.8 | 997.8 | 3776.0 | 4479.2 | 4370.6 | 3380.0 | 2681.2 |
| 77.5° | 105.3 | 108.1 | 128.9 | 262.7 | 534.3 | 628.1 | 2586.8 | 3469.4 | 3562.1 | 2862.7 | 1894.6 |
| 80° | 80.6 | 81.2 | 88.9 | 139.9 | 431.7 | 594.6 | 1498.0 | 2317.0 | 2270.9 | 1528.7 | 744.3 |
| 82.5° | 51.0 | 54.3 | 69.1 | 85.6 | 205.1 | 579.8 | 885.3 | 1319.2 | 1161.2 | 413.6 | 207.3 |
| 85° | 25.8 | 29.1 | 48.8 | 58.7 | 99.3 | 628.1 | 628.1 | 676.3 | 475.6 | 138.8 | 78.4 |
| 87.5° | 4.4 | 4.4 | 6.6 | 15.4 | 19.7 | 106.4 | 175.5 | 153.0 | 100.9 | 18.6 | 15.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P415138

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 2.5° | 2.7 | 2.7 | 2.7 | 2.2 | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 |
| 5° | 2.7 | 2.7 | 2.7 | 2.2 | 1.6 | 1.1 | 0.5 | 0.5 | 1.1 | 1.6 | 1.6 |
| 7.5° | 2.7 | 2.7 | 2.7 | 2.2 | 1.6 | 1.6 | 1.1 | 2.2 | 4.9 | 64.2 | 43.3 |
| 10° | 3.3 | 3.3 | 3.3 | 2.7 | 2.2 | 6.0 | 187.6 | 198.0 | 198.6 | 197.5 | 195.3 |
| 12.5° | 17.6 | 19.2 | 14.3 | 4.9 | 20.3 | 188.1 | 180.5 | 171.7 | 168.4 | 164.6 | 164.6 |
| 15° | 346.7 | 342.3 | 323.1 | 238.1 | 145.9 | 167.8 | 150.8 | 139.3 | 216.1 | 213.4 | 215.6 |
| 17.5° | 347.8 | 340.1 | 312.7 | 340.6 | 315.9 | 150.8 | 171.1 | 185.9 | 175.5 | 171.7 | 173.3 |
| 20° | 659.9 | 624.2 | 317.0 | 317.6 | 271.0 | 267.7 | 145.4 | 137.1 | 138.8 | 142.1 | 143.2 |
| 22.5° | 671.9 | 630.8 | 486.5 | 411.4 | 232.6 | 214.5 | 148.6 | 119.0 | 176.1 | 195.8 | 198.0 |
| 25° | 677.4 | 625.9 | 459.7 | 364.2 | 262.7 | 160.7 | 143.7 | 130.5 | 160.7 | 180.5 | 181.6 |
| 27.5° | 957.7 | 867.8 | 628.1 | 309.4 | 203.0 | 141.0 | 134.4 | 122.9 | 144.3 | 178.8 | 179.4 |
| 30° | 949.5 | 843.6 | 582.0 | 299.5 | 156.9 | 130.0 | 116.3 | 128.4 | 136.0 | 145.4 | 145.4 |
| 32.5° | 1234.7 | 1082.8 | 645.6 | 241.3 | 131.6 | 108.1 | 109.7 | 116.8 | 117.4 | 138.8 | 140.4 |
| 35° | 1235.3 | 1059.2 | 556.2 | 220.5 | 113.0 | 98.7 | 100.4 | 108.1 | 119.6 | 133.3 | 135.5 |
| 37.5° | 1254.5 | 1048.8 | 479.4 | 171.7 | 113.0 | 98.7 | 95.4 | 103.1 | 111.3 | 130.5 | 132.7 |
| 40° | 1295.1 | 1053.2 | 406.5 | 142.6 | 109.2 | 97.1 | 94.3 | 100.4 | 110.3 | 121.2 | 122.3 |
| 42.5° | 1364.2 | 1077.8 | 337.3 | 128.9 | 106.4 | 97.1 | 90.5 | 94.9 | 100.4 | 122.9 | 125.1 |
| 45° | 1473.9 | 1130.5 | 284.1 | 123.4 | 105.3 | 93.2 | 86.1 | 87.2 | 91.1 | 145.4 | 151.4 |
| 47.5° | 1602.2 | 1203.5 | 238.1 | 120.7 | 103.7 | 89.4 | 79.5 | 80.6 | 89.4 | 165.1 | 173.3 |
| 50° | 1750.3 | 1311.5 | 210.6 | 120.1 | 102.0 | 83.9 | 74.6 | 80.6 | 98.7 | 164.6 | 168.4 |
| 52.5° | 1924.2 | 1421.2 | 195.8 | 122.3 | 100.9 | 79.0 | 77.3 | 90.5 | 93.8 | 132.2 | 132.2 |
| 55° | 2080.5 | 1543.0 | 196.9 | 124.0 | 97.6 | 79.0 | 79.5 | 76.8 | 74.1 | 91.1 | 91.6 |
| 57.5° | 2234.1 | 1664.2 | 215.0 | 120.7 | 92.7 | 79.5 | 68.6 | 63.1 | 64.2 | 77.3 | 79.0 |
| 60° | 2367.4 | 1781.0 | 269.3 | 113.5 | 88.3 | 71.9 | 63.6 | 59.2 | 60.3 | 77.9 | 79.5 |
| 62.5° | 2511.1 | 1923.7 | 373.0 | 116.3 | 87.8 | 68.0 | 59.2 | 54.3 | 56.5 | 64.7 | 65.8 |
| 65° | 2705.3 | 2122.8 | 466.2 | 137.1 | 91.1 | 65.8 | 54.3 | 51.6 | 52.1 | 52.7 | 52.7 |
| 67.5° | 2895.6 | 2245.6 | 449.8 | 161.8 | 102.0 | 64.7 | 51.6 | 48.3 | 47.7 | 47.7 | 47.7 |
| 70° | 2877.0 | 2112.4 | 356.5 | 171.7 | 110.8 | 64.7 | 49.4 | 45.0 | 43.9 | 43.9 | 43.9 |
| 72.5° | 2607.7 | 1806.8 | 273.7 | 159.1 | 102.0 | 62.0 | 46.1 | 41.1 | 39.5 | 39.5 | 39.5 |
| 75° | 2218.8 | 1449.2 | 229.8 | 138.2 | 83.4 | 53.2 | 40.6 | 36.8 | 35.7 | 35.7 | 35.1 |
| 77.5° | 1417.4 | 856.8 | 195.3 | 112.4 | 64.2 | 43.3 | 35.1 | 31.8 | 31.8 | 31.8 | 30.2 |
| 80° | 568.8 | 376.8 | 151.9 | 88.9 | 49.9 | 34.6 | 29.1 | 27.4 | 26.9 | 26.3 | 24.7 |
| 82.5° | 216.1 | 185.9 | 98.7 | 64.7 | 38.4 | 26.3 | 23.6 | 21.9 | 21.9 | 21.4 | 18.6 |
| 85° | 77.3 | 72.4 | 45.5 | 37.3 | 23.6 | 16.5 | 18.1 | 16.5 | 15.9 | 14.3 | 12.1 |
| 87.5° | 16.5 | 18.1 | 12.6 | 8.2 | 8.2 | 4.9 | 6.0 | 6.6 | 6.6 | 6.0 | 3.3 |
| 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)