

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: P415437

Luminaire Tested: **LXF.LXT-PA1-50-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6070 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

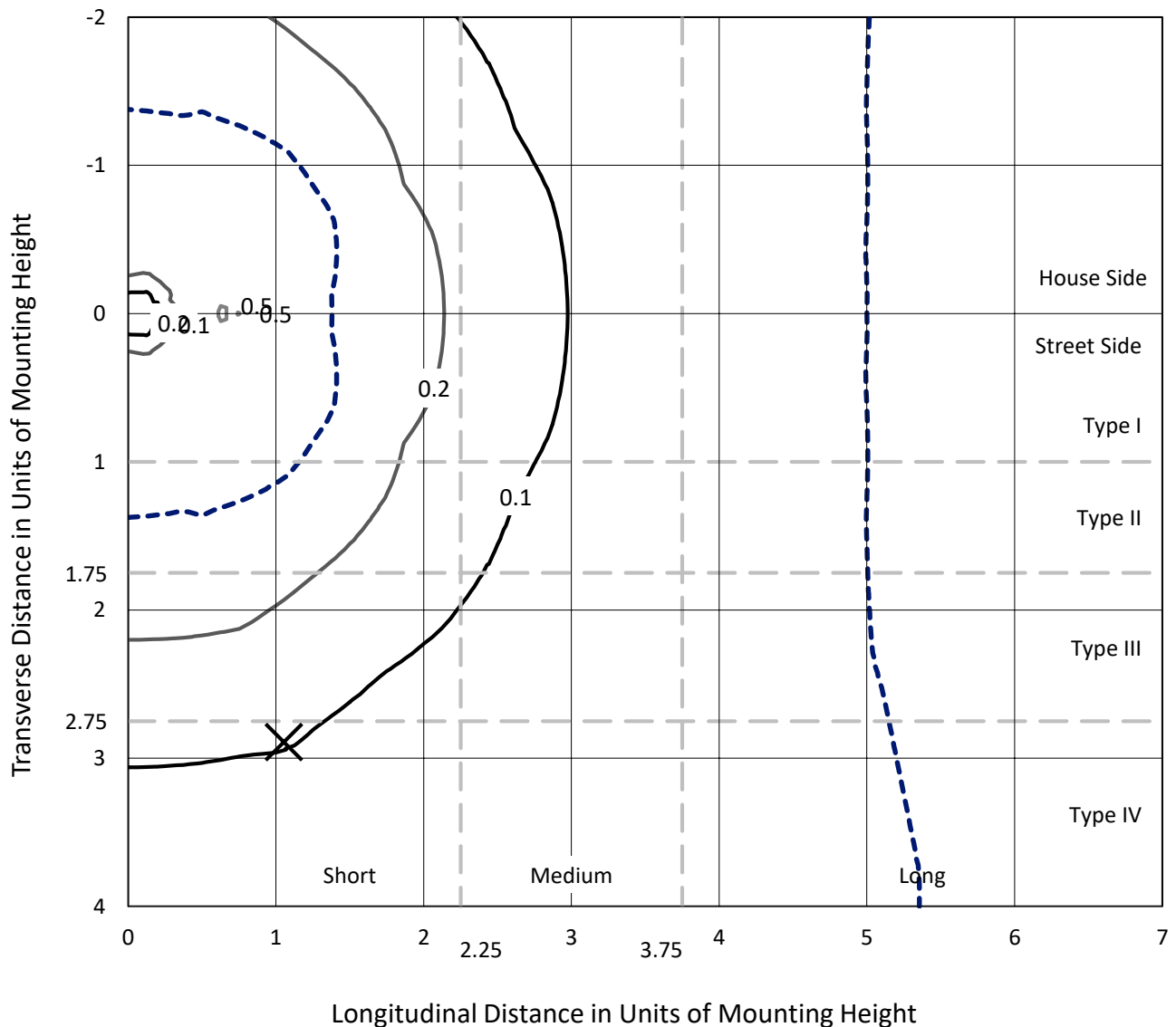
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

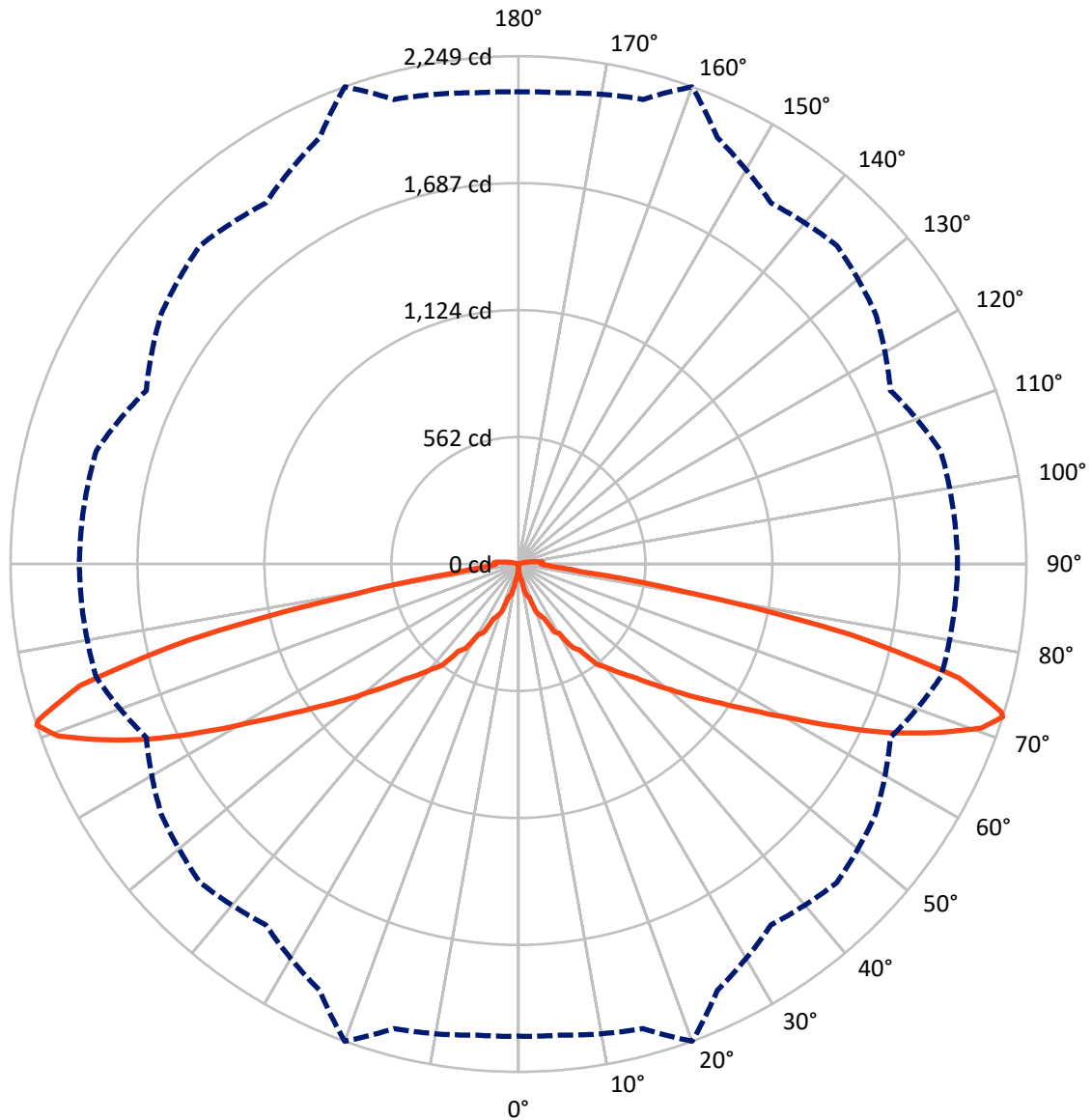
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2964.5 | 70.5 | 3035.0 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Street Side | Lumens | 2964.5 | 70.5 | 3035.0 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Total | Lumens | 5928.9 | 141.0 | 6070.0 |
| | % Fixture | 97.7 | 2.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.3 | 0.0 |
| 10°-20° | 33.3 | 0.5 |
| 20°-30° | 131.5 | 2.2 |
| 30°-40° | 304.5 | 5.0 |
| 40°-50° | 554.2 | 9.1 |
| 50°-60° | 982.6 | 16.2 |
| 60°-70° | 1662.1 | 27.4 |
| 70°-80° | 1846.8 | 30.4 |
| 80°-90° | 411.7 | 6.8 |
| 90°-100° | 114.6 | 1.9 |
| 100°-110° | 16.9 | 0.3 |
| 110°-120° | 3.9 | 0.1 |
| 120°-130° | 2.4 | 0.0 |
| 130°-140° | 1.5 | 0.0 |
| 140°-150° | 1.3 | 0.0 |
| 150°-160° | 0.4 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 5928.9 | 97.7 |
| 0°-180° | 6070.0 | 100.0 |



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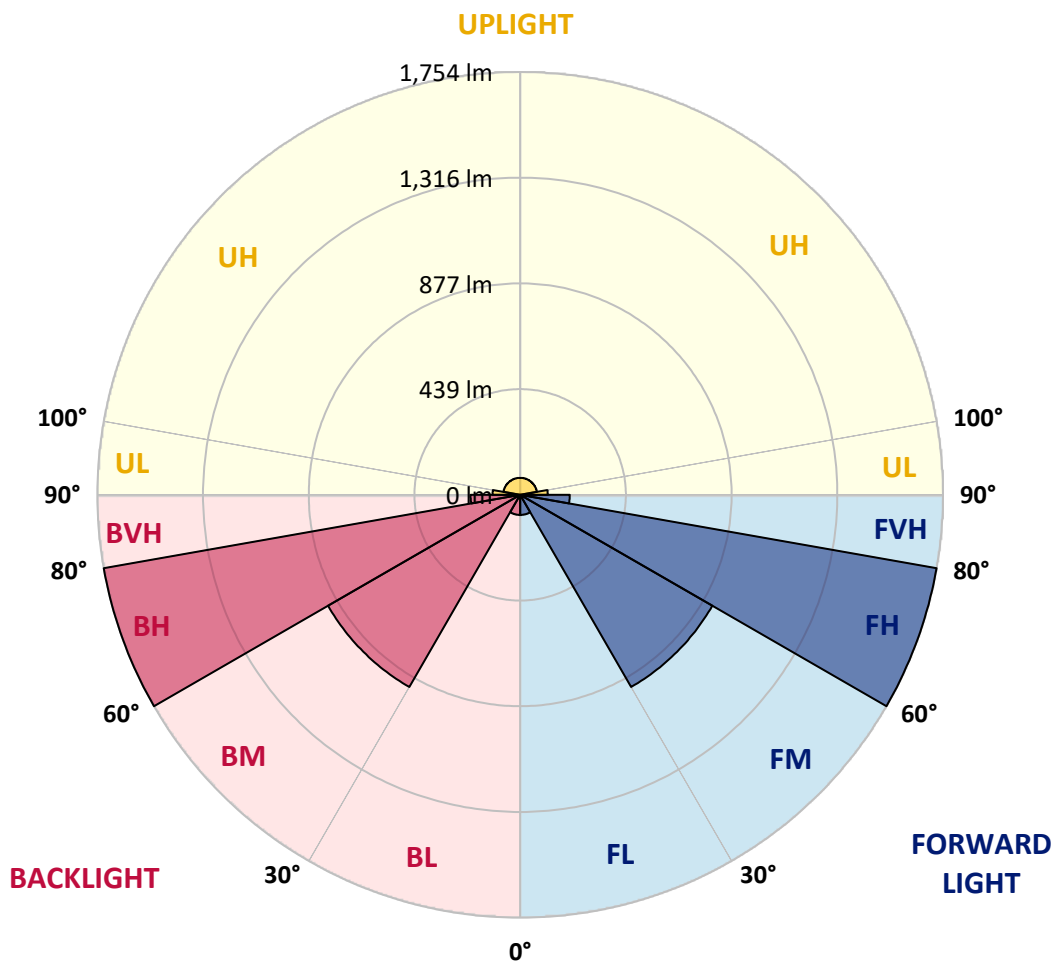
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 83.5 | 1.4 | | | |
| FM (30°-60°) | 920.6 | 15.2 | | | |
| FH (60°-80°) | 1754.4 | 28.9 | | | G1/1800 |
| FVH (80°-90°) | 205.9 | 3.4 | | | G2/225 |
| BL (0°-30°) | 83.5 | 1.4 | B0/110 | | |
| BM (30°-60°) | 920.6 | 15.2 | B1/1000 | | |
| BH (60°-80°) | 1754.4 | 28.9 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 205.9 | 3.4 | | | G2/225 |
| UL (90°-100°) | 114.6 | 1.9 | | U3/500 | |
| UH (100°-180°) | 70.5 | 1.2 | | U3/500 | |

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 2.5° | 3.2 | 3.2 | 3.2 | 3.9 | 2.6 | 3.2 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 5° | 28.3 | 27.7 | 25.7 | 47.6 | 22.5 | 11.6 | 6.4 | 3.9 | 2.6 | 2.6 | 2.6 |
| 7.5° | 60.4 | 59.8 | 57.9 | 63.7 | 48.2 | 36.7 | 28.9 | 19.3 | 5.1 | 3.2 | 3.2 |
| 10° | 72.7 | 72.0 | 69.4 | 70.1 | 67.5 | 65.6 | 54.0 | 32.8 | 14.8 | 5.1 | 5.1 |
| 12.5° | 108.7 | 108.0 | 103.5 | 126.0 | 87.5 | 72.7 | 67.5 | 57.2 | 32.2 | 25.7 | 50.2 |
| 15° | 148.5 | 148.5 | 142.1 | 145.3 | 120.2 | 106.1 | 78.5 | 98.4 | 108.0 | 102.9 | 110.0 |
| 17.5° | 165.3 | 164.6 | 158.2 | 156.9 | 150.5 | 138.3 | 135.7 | 142.8 | 138.9 | 123.5 | 124.1 |
| 20° | 210.3 | 209.6 | 201.3 | 225.7 | 186.5 | 156.9 | 195.5 | 171.0 | 157.5 | 179.4 | 208.3 |
| 22.5° | 252.7 | 252.1 | 245.6 | 246.9 | 225.7 | 230.9 | 213.5 | 198.1 | 234.1 | 242.4 | 250.1 |
| 25° | 299.7 | 297.7 | 272.6 | 267.5 | 249.5 | 273.3 | 245.0 | 284.9 | 260.4 | 272.0 | 292.6 |
| 27.5° | 351.7 | 349.2 | 337.0 | 340.8 | 306.1 | 295.8 | 312.5 | 304.2 | 320.2 | 370.4 | 381.3 |
| 30° | 385.2 | 370.4 | 359.5 | 357.5 | 364.6 | 331.2 | 344.0 | 352.4 | 369.7 | 391.6 | 410.9 |
| 32.5° | 463.0 | 459.8 | 418.0 | 440.5 | 398.7 | 394.8 | 367.8 | 396.1 | 396.1 | 481.0 | 538.9 |
| 35° | 497.7 | 494.5 | 482.9 | 468.1 | 457.8 | 422.5 | 435.3 | 426.3 | 491.9 | 523.4 | 571.7 |
| 37.5° | 618.0 | 614.7 | 553.7 | 561.4 | 499.0 | 479.1 | 465.6 | 500.3 | 526.0 | 558.8 | 614.7 |
| 40° | 664.9 | 662.3 | 637.9 | 603.2 | 580.0 | 522.8 | 506.1 | 535.0 | 566.5 | 602.5 | 659.8 |
| 42.5° | 720.8 | 718.9 | 690.0 | 657.8 | 634.7 | 585.8 | 567.8 | 570.4 | 609.0 | 662.3 | 718.3 |
| 45° | 787.7 | 787.7 | 769.1 | 713.8 | 691.3 | 656.5 | 627.6 | 630.8 | 666.8 | 731.1 | 789.0 |
| 47.5° | 864.2 | 863.0 | 852.0 | 790.3 | 772.9 | 720.2 | 697.1 | 707.3 | 735.0 | 806.4 | 867.5 |
| 50° | 953.6 | 947.2 | 946.6 | 875.8 | 854.6 | 800.6 | 778.7 | 796.1 | 812.8 | 883.5 | 949.8 |
| 52.5° | 1045.6 | 1047.5 | 1048.2 | 978.7 | 957.5 | 911.2 | 879.7 | 898.3 | 898.3 | 972.9 | 1045.6 |
| 55° | 1154.9 | 1159.4 | 1156.2 | 1087.4 | 1090.6 | 1040.4 | 997.4 | 1020.5 | 1012.1 | 1083.5 | 1148.5 |
| 57.5° | 1295.7 | 1294.4 | 1300.9 | 1221.8 | 1232.1 | 1191.6 | 1142.7 | 1157.5 | 1144.6 | 1203.1 | 1261.0 |
| 60° | 1436.6 | 1436.6 | 1453.3 | 1384.5 | 1412.1 | 1351.0 | 1319.5 | 1327.2 | 1281.6 | 1330.4 | 1381.9 |
| 62.5° | 1583.2 | 1584.5 | 1608.9 | 1585.7 | 1592.2 | 1527.2 | 1507.3 | 1495.1 | 1408.3 | 1471.9 | 1507.3 |
| 65° | 1731.7 | 1733.6 | 1774.1 | 1799.2 | 1751.6 | 1692.5 | 1675.1 | 1645.5 | 1552.3 | 1642.3 | 1648.8 |
| 67.5° | 1882.2 | 1890.5 | 1938.8 | 1992.1 | 1919.5 | 1809.5 | 1834.6 | 1781.2 | 1684.8 | 1770.9 | 1766.4 |
| 70° | 2047.4 | 2053.2 | 2086.0 | 2175.4 | 2044.9 | 1903.4 | 1930.4 | 1891.2 | 1776.7 | 1884.1 | 1892.5 |
| 72° | 2090.5 | 2094.4 | 2129.7 | 2248.7 | 2082.8 | 1950.3 | 1994.1 | 1931.0 | 1817.9 | 1935.5 | 1942.0 |
| 72.5° | 2088.0 | 2093.7 | 2122.7 | 2234.6 | 2081.5 | 1958.7 | 2005.6 | 1935.5 | 1817.2 | 1932.3 | 1931.7 |
| 75° | 1891.8 | 1905.3 | 1949.7 | 2014.6 | 1967.1 | 1942.0 | 2042.3 | 1908.5 | 1744.6 | 1808.2 | 1793.4 |
| 77.5° | 1388.3 | 1398.6 | 1462.9 | 1504.1 | 1598.0 | 1766.4 | 1947.1 | 1752.9 | 1525.3 | 1496.4 | 1447.5 |
| 80° | 681.0 | 677.1 | 806.4 | 747.9 | 1019.2 | 1351.7 | 1616.0 | 1387.0 | 1078.4 | 877.7 | 751.7 |
| 82.5° | 230.2 | 243.7 | 296.4 | 285.5 | 453.3 | 780.0 | 1093.8 | 856.5 | 499.6 | 340.2 | 281.0 |
| 85° | 129.9 | 134.4 | 163.3 | 156.9 | 184.6 | 302.9 | 562.7 | 389.7 | 218.6 | 182.6 | 162.7 |
| 87.5° | 114.5 | 116.4 | 115.1 | 113.2 | 122.2 | 169.8 | 170.4 | 176.2 | 133.8 | 124.1 | 124.7 |
| 90° | 115.7 | 117.0 | 104.8 | 100.3 | 107.4 | 142.1 | 158.2 | 149.8 | 109.3 | 106.7 | 117.0 |
| 92.5° | 125.4 | 126.7 | 113.8 | 109.3 | 115.1 | 146.0 | 162.7 | 154.3 | 110.6 | 113.8 | 124.7 |
| 95° | 114.5 | 115.7 | 104.8 | 100.3 | 106.7 | 135.7 | 152.4 | 149.2 | 105.5 | 116.4 | 132.5 |
| 97.5° | 73.3 | 73.9 | 73.3 | 73.3 | 84.2 | 102.9 | 107.4 | 101.6 | 70.1 | 71.4 | 72.7 |
| 100° | 28.9 | 23.1 | 32.8 | 48.2 | 59.8 | 60.4 | 57.9 | 53.4 | 45.0 | 29.6 | 14.8 |
| 102.5° | 9.6 | 9.6 | 22.5 | 31.5 | 35.4 | 28.3 | 22.5 | 22.5 | 26.4 | 18.6 | 9.6 |
| 105° | 9.6 | 9.6 | 12.2 | 14.8 | 14.8 | 7.7 | 7.1 | 11.6 | 16.7 | 9.6 | 9.6 |
| 107.5° | 9.0 | 9.6 | 6.4 | 5.8 | 5.1 | 5.1 | 5.1 | 5.1 | 6.4 | 7.1 | 9.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 7.7 | 7.7 | 5.1 | 5.1 | 4.5 | 3.9 | 5.1 | 4.5 | 5.1 | 5.8 | 7.7 |
| 112.5° | 5.8 | 6.4 | 3.9 | 3.9 | 3.9 | 3.2 | 4.5 | 3.9 | 3.9 | 4.5 | 5.1 |
| 115° | 5.8 | 5.8 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.9 | 5.1 |
| 117.5° | 5.8 | 5.1 | 3.2 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 3.9 | 5.1 |
| 120° | 5.8 | 5.1 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.6 | 3.2 | 5.1 |
| 122.5° | 5.1 | 5.1 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.2 | 5.1 |
| 125° | 5.1 | 5.1 | 3.2 | 2.6 | 1.9 | 1.9 | 1.3 | 1.9 | 1.9 | 3.2 | 4.5 |
| 127.5° | 5.1 | 4.5 | 3.2 | 1.9 | 1.9 | 1.3 | 1.3 | 1.3 | 1.9 | 2.6 | 4.5 |
| 130° | 4.5 | 4.5 | 3.2 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 2.6 | 3.9 |
| 132.5° | 3.9 | 3.9 | 2.6 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 | 3.2 |
| 135° | 3.2 | 3.2 | 2.6 | 1.9 | 1.3 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.6 |
| 137.5° | 3.2 | 3.2 | 2.6 | 1.9 | 1.3 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 |
| 140° | 3.2 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 |
| 142.5° | 3.2 | 3.2 | 2.6 | 1.9 | 1.9 | 1.9 | 1.3 | 1.3 | 1.3 | 1.9 | 1.9 |
| 145° | 3.2 | 3.2 | 3.2 | 2.6 | 1.9 | 1.9 | 1.3 | 1.3 | 1.9 | 1.9 | 2.6 |
| 147.5° | 3.9 | 3.9 | 3.2 | 2.6 | 1.9 | 1.3 | 1.3 | 1.3 | 1.9 | 2.6 | 2.6 |
| 150° | 3.2 | 3.2 | 2.6 | 1.9 | 1.9 | 1.3 | 0.6 | 0.6 | 1.3 | 2.6 | 2.6 |
| 152.5° | 2.6 | 2.6 | 1.9 | 1.3 | 1.3 | 0.6 | 0.0 | 0.6 | 1.3 | 1.9 | 2.6 |
| 155° | 1.9 | 1.3 | 1.3 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 | 1.3 | 1.9 |
| 157.5° | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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° |
|--------|--------|
| 0° | 2.6 |
| 2.5° | 2.6 |
| 5° | 2.6 |
| 7.5° | 3.2 |
| 10° | 5.1 |
| 12.5° | 51.4 |
| 15° | 110.6 |
| 17.5° | 124.1 |
| 20° | 225.1 |
| 22.5° | 253.4 |
| 25° | 299.0 |
| 27.5° | 390.3 |
| 30° | 414.8 |
| 32.5° | 552.4 |
| 35° | 582.0 |
| 37.5° | 621.8 |
| 40° | 664.9 |
| 42.5° | 720.2 |
| 45° | 789.0 |
| 47.5° | 868.7 |
| 50° | 947.8 |
| 52.5° | 1043.0 |
| 55° | 1153.0 |
| 57.5° | 1257.8 |
| 60° | 1378.0 |
| 62.5° | 1498.9 |
| 65° | 1648.8 |
| 67.5° | 1766.4 |
| 70° | 1895.7 |
| 72° | 1943.9 |
| 72.5° | 1932.3 |
| 75° | 1796.0 |
| 77.5° | 1452.0 |
| 80° | 737.6 |
| 82.5° | 261.1 |
| 85° | 160.1 |
| 87.5° | 122.2 |
| 90° | 115.1 |
| 92.5° | 122.8 |
| 95° | 130.5 |
| 97.5° | 69.4 |
| 100° | 10.3 |
| 102.5° | 10.3 |
| 105° | 10.3 |
| 107.5° | 10.3 |



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|-----|
| 110° | 8.4 |
| 112.5° | 5.8 |
| 115° | 5.8 |
| 117.5° | 5.8 |
| 120° | 5.8 |
| 122.5° | 5.8 |
| 125° | 5.1 |
| 127.5° | 4.5 |
| 130° | 3.9 |
| 132.5° | 3.2 |
| 135° | 2.6 |
| 137.5° | 1.9 |
| 140° | 1.9 |
| 142.5° | 1.9 |
| 145° | 2.6 |
| 147.5° | 2.6 |
| 150° | 2.6 |
| 152.5° | 2.6 |
| 155° | 1.9 |
| 157.5° | 0.6 |
| 160° | 0.6 |
| 162.5° | 0.0 |
| 165° | 0.0 |
| 167.5° | 0.0 |
| 170° | 0.0 |
| 172.5° | 0.0 |
| 175° | 0.0 |
| 177.5° | 0.0 |
| 180° | 0.0 |

(END OF REPORT)