

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: P416061

Luminaire Tested: **LXF.LXT-PA1-60-827-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416061
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-PA1-60-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5661 lumens
Efficiency: N/A
Efficacy: 88.5 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

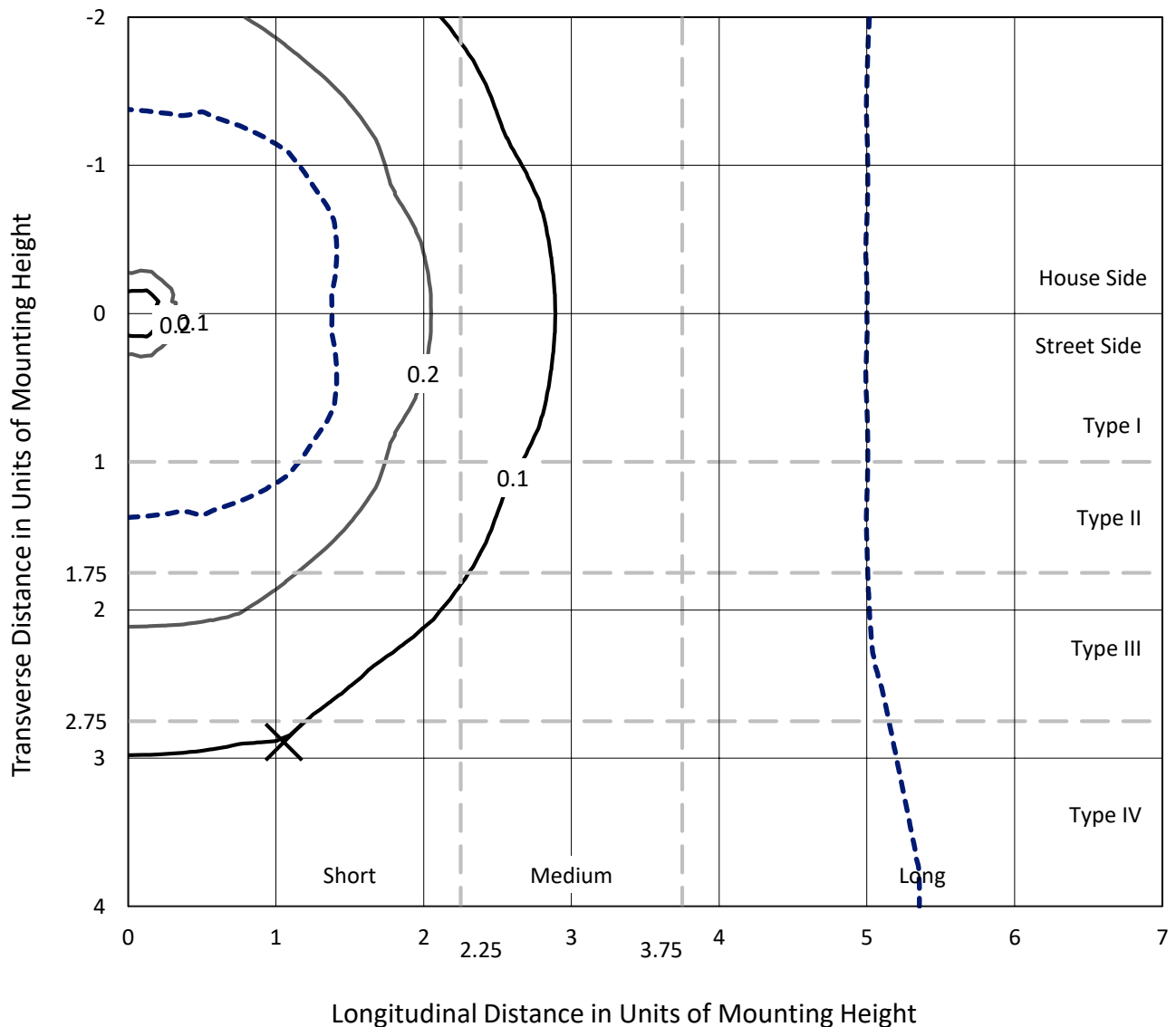
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

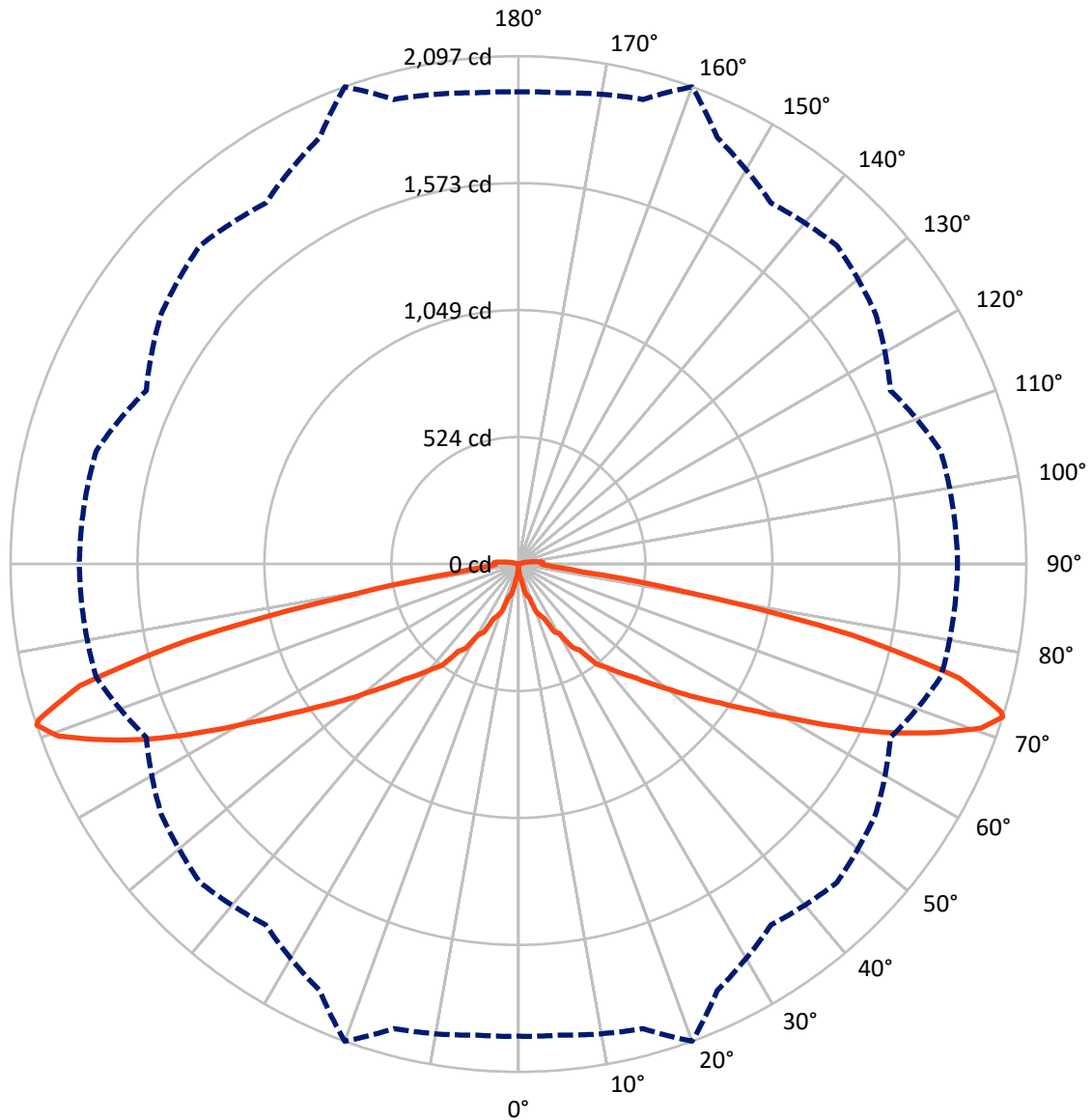
× Max cd
 - - - 1/2 Max cd



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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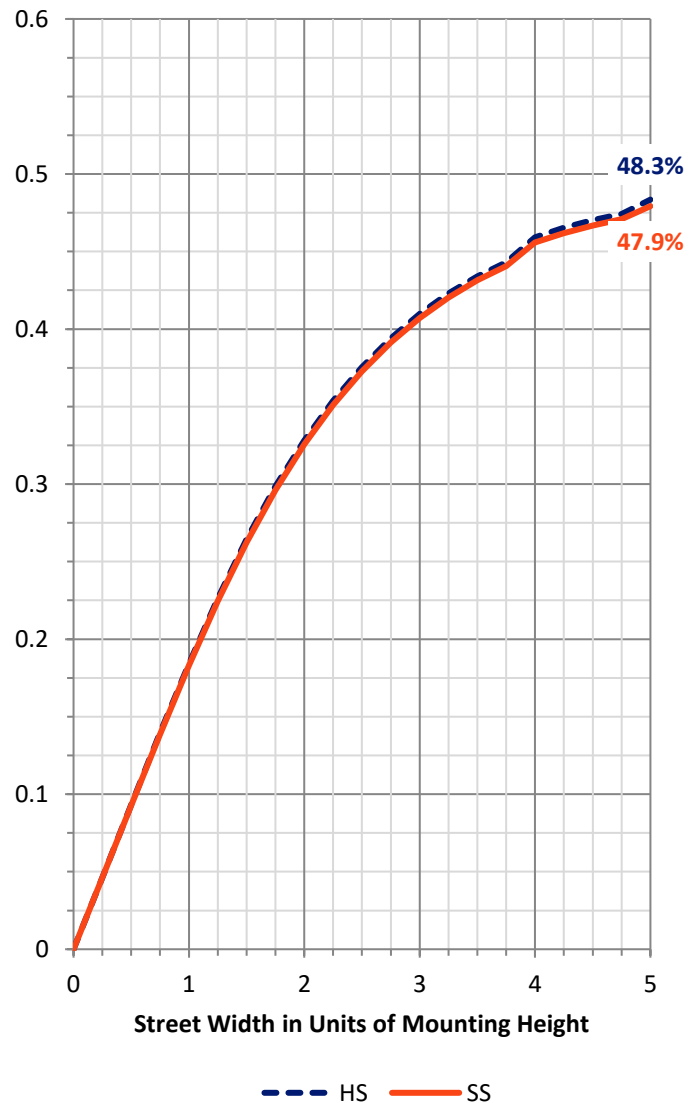
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2764.7 | 65.8 | 2830.5 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Street Side | Lumens | 2764.7 | 65.8 | 2830.5 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Total | Lumens | 5529.4 | 131.6 | 5661.0 |
| | % Fixture | 97.7 | 2.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.2 | 0.0 |
| 10°-20° | 31.0 | 0.5 |
| 20°-30° | 122.7 | 2.2 |
| 30°-40° | 284.0 | 5.0 |
| 40°-50° | 516.8 | 9.1 |
| 50°-60° | 916.4 | 16.2 |
| 60°-70° | 1550.1 | 27.4 |
| 70°-80° | 1722.3 | 30.4 |
| 80°-90° | 384.0 | 6.8 |
| 90°-100° | 106.9 | 1.9 |
| 100°-110° | 15.8 | 0.3 |
| 110°-120° | 3.7 | 0.1 |
| 120°-130° | 2.3 | 0.0 |
| 130°-140° | 1.4 | 0.0 |
| 140°-150° | 1.2 | 0.0 |
| 150°-160° | 0.4 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 5529.4 | 97.7 |
| 0°-180° | 5661.0 | 100.0 |



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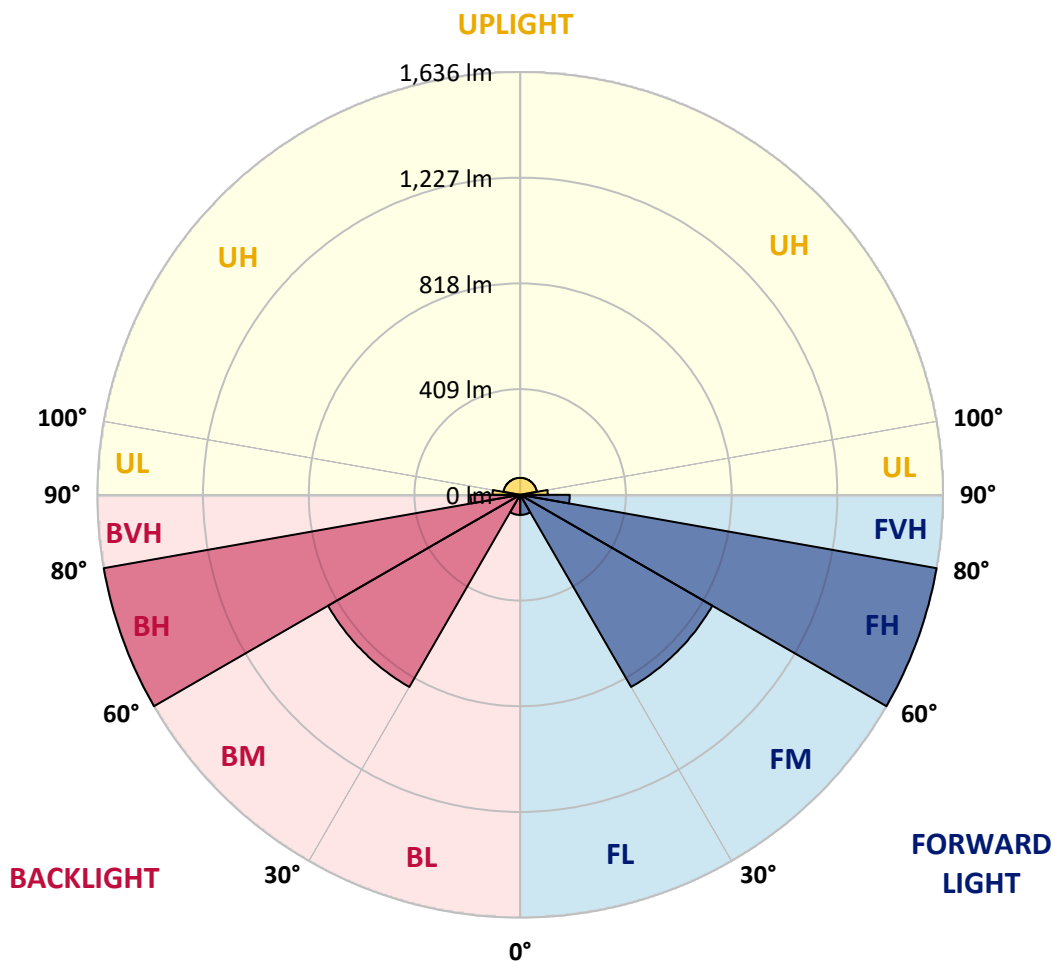
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 77.9 | 1.4 | | | |
| FM | (30°-60°) | 858.6 | 15.2 | | | |
| FH | (60°-80°) | 1636.2 | 28.9 | | | G1/1800 |
| FVH | (80°-90°) | 192.0 | 3.4 | | | G2/225 |
| BL | (0°-30°) | 77.9 | 1.4 | B0/110 | | |
| BM | (30°-60°) | 858.6 | 15.2 | B1/1000 | | |
| BH | (60°-80°) | 1636.2 | 28.9 | B3/2500 | | G1/1800 |
| BVH | (80°-90°) | 192.0 | 3.4 | | | G2/225 |
| UL | (90°-100°) | 106.9 | 1.9 | | U3/500 | |
| UH | (100°-180°) | 65.8 | 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° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 2.5° | 3.0 | 3.0 | 3.0 | 3.6 | 2.4 | 3.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 5° | 26.4 | 25.8 | 24.0 | 44.4 | 21.0 | 10.8 | 6.0 | 3.6 | 2.4 | 2.4 | 2.4 |
| 7.5° | 56.4 | 55.8 | 54.0 | 59.4 | 45.0 | 34.2 | 27.0 | 18.0 | 4.8 | 3.0 | 3.0 |
| 10° | 67.8 | 67.2 | 64.8 | 65.4 | 63.0 | 61.2 | 50.4 | 30.6 | 13.8 | 4.8 | 4.8 |
| 12.5° | 101.4 | 100.8 | 96.6 | 117.5 | 81.6 | 67.8 | 63.0 | 53.4 | 30.0 | 24.0 | 46.8 |
| 15° | 138.5 | 138.5 | 132.5 | 135.5 | 112.1 | 99.0 | 73.2 | 91.8 | 100.8 | 96.0 | 102.6 |
| 17.5° | 154.1 | 153.5 | 147.5 | 146.3 | 140.3 | 128.9 | 126.5 | 133.1 | 129.5 | 115.1 | 115.7 |
| 20° | 196.1 | 195.5 | 187.7 | 210.5 | 173.9 | 146.3 | 182.3 | 159.5 | 146.9 | 167.3 | 194.3 |
| 22.5° | 235.7 | 235.1 | 229.1 | 230.3 | 210.5 | 215.3 | 199.1 | 184.7 | 218.3 | 226.1 | 233.3 |
| 25° | 279.5 | 277.7 | 254.3 | 249.5 | 232.7 | 254.9 | 228.5 | 265.7 | 242.9 | 253.7 | 272.9 |
| 27.5° | 328.0 | 325.6 | 314.2 | 317.8 | 285.5 | 275.9 | 291.5 | 283.7 | 298.7 | 345.4 | 355.6 |
| 30° | 359.2 | 345.4 | 335.2 | 333.4 | 340.0 | 308.9 | 320.8 | 328.6 | 344.8 | 365.2 | 383.2 |
| 32.5° | 431.8 | 428.8 | 389.8 | 410.8 | 371.8 | 368.2 | 343.0 | 369.4 | 369.4 | 448.6 | 502.6 |
| 35° | 464.2 | 461.2 | 450.4 | 436.6 | 427.0 | 394.0 | 406.0 | 397.6 | 458.8 | 488.2 | 533.1 |
| 37.5° | 576.3 | 573.3 | 516.4 | 523.5 | 465.4 | 446.8 | 434.2 | 466.6 | 490.6 | 521.1 | 573.3 |
| 40° | 620.1 | 617.7 | 594.9 | 562.5 | 540.9 | 487.6 | 472.0 | 499.0 | 528.3 | 561.9 | 615.3 |
| 42.5° | 672.3 | 670.5 | 643.5 | 613.5 | 591.9 | 546.3 | 529.5 | 531.9 | 567.9 | 617.7 | 669.9 |
| 45° | 734.6 | 734.6 | 717.3 | 665.7 | 644.7 | 612.3 | 585.3 | 588.3 | 621.9 | 681.9 | 735.8 |
| 47.5° | 806.0 | 804.8 | 794.6 | 737.0 | 720.9 | 671.7 | 650.1 | 659.7 | 685.5 | 752.0 | 809.0 |
| 50° | 889.4 | 883.4 | 882.8 | 816.8 | 797.0 | 746.6 | 726.3 | 742.4 | 758.0 | 824.0 | 885.8 |
| 52.5° | 975.1 | 976.9 | 977.5 | 912.8 | 893.0 | 849.8 | 820.4 | 837.8 | 837.8 | 907.4 | 975.1 |
| 55° | 1077.1 | 1081.3 | 1078.3 | 1014.1 | 1017.1 | 970.3 | 930.2 | 951.7 | 943.9 | 1010.5 | 1071.1 |
| 57.5° | 1208.4 | 1207.2 | 1213.2 | 1139.5 | 1149.0 | 1111.3 | 1065.7 | 1079.5 | 1067.5 | 1122.1 | 1176.0 |
| 60° | 1339.8 | 1339.8 | 1355.3 | 1291.2 | 1317.0 | 1260.0 | 1230.6 | 1237.8 | 1195.2 | 1240.8 | 1288.8 |
| 62.5° | 1476.5 | 1477.7 | 1500.5 | 1478.9 | 1484.9 | 1424.3 | 1405.7 | 1394.3 | 1313.4 | 1372.7 | 1405.7 |
| 65° | 1615.0 | 1616.8 | 1654.6 | 1678.0 | 1633.6 | 1578.4 | 1562.2 | 1534.7 | 1447.7 | 1531.7 | 1537.7 |
| 67.5° | 1755.4 | 1763.2 | 1808.1 | 1857.9 | 1790.1 | 1687.6 | 1711.0 | 1661.2 | 1571.2 | 1651.6 | 1647.4 |
| 70° | 1909.5 | 1914.9 | 1945.5 | 2028.8 | 1907.1 | 1775.1 | 1800.3 | 1763.8 | 1657.0 | 1757.2 | 1765.0 |
| 72° | 1949.7 | 1953.3 | 1986.2 | 2097.2 | 1942.5 | 1818.9 | 1859.7 | 1800.9 | 1695.4 | 1805.1 | 1811.1 |
| 72.5° | 1947.3 | 1952.7 | 1979.6 | 2084.0 | 1941.3 | 1826.7 | 1870.5 | 1805.1 | 1694.8 | 1802.1 | 1801.5 |
| 75° | 1764.4 | 1776.9 | 1818.3 | 1878.9 | 1834.5 | 1811.1 | 1904.7 | 1779.9 | 1627.0 | 1686.4 | 1672.6 |
| 77.5° | 1294.8 | 1304.4 | 1364.3 | 1402.7 | 1490.3 | 1647.4 | 1815.9 | 1634.8 | 1422.5 | 1395.5 | 1350.0 |
| 80° | 635.1 | 631.5 | 752.0 | 697.5 | 950.5 | 1260.6 | 1507.1 | 1293.6 | 1005.7 | 818.6 | 701.1 |
| 82.5° | 214.7 | 227.3 | 276.5 | 266.3 | 422.8 | 727.4 | 1020.1 | 798.8 | 466.0 | 317.2 | 262.1 |
| 85° | 121.1 | 125.3 | 152.3 | 146.3 | 172.1 | 282.5 | 524.7 | 363.4 | 203.9 | 170.3 | 151.7 |
| 87.5° | 106.7 | 108.5 | 107.3 | 105.5 | 113.9 | 158.3 | 158.9 | 164.3 | 124.7 | 115.7 | 116.3 |
| 90° | 107.9 | 109.1 | 97.8 | 93.6 | 100.2 | 132.5 | 147.5 | 139.7 | 102.0 | 99.6 | 109.1 |
| 92.5° | 116.9 | 118.1 | 106.1 | 102.0 | 107.3 | 136.1 | 151.7 | 143.9 | 103.2 | 106.1 | 116.3 |
| 95° | 106.7 | 107.9 | 97.8 | 93.6 | 99.6 | 126.5 | 142.1 | 139.1 | 98.4 | 108.5 | 123.5 |
| 97.5° | 68.4 | 69.0 | 68.4 | 68.4 | 78.6 | 96.0 | 100.2 | 94.8 | 65.4 | 66.6 | 67.8 |
| 100° | 27.0 | 21.6 | 30.6 | 45.0 | 55.8 | 56.4 | 54.0 | 49.8 | 42.0 | 27.6 | 13.8 |
| 102.5° | 9.0 | 9.0 | 21.0 | 29.4 | 33.0 | 26.4 | 21.0 | 21.0 | 24.6 | 17.4 | 9.0 |
| 105° | 9.0 | 9.0 | 11.4 | 13.8 | 13.8 | 7.2 | 6.6 | 10.8 | 15.6 | 9.0 | 9.0 |
| 107.5° | 8.4 | 9.0 | 6.0 | 5.4 | 4.8 | 4.8 | 4.8 | 4.8 | 6.0 | 6.6 | 9.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 7.2 | 7.2 | 4.8 | 4.8 | 4.2 | 3.6 | 4.8 | 4.2 | 4.8 | 5.4 | 7.2 |
| 112.5° | 5.4 | 6.0 | 3.6 | 3.6 | 3.6 | 3.0 | 4.2 | 3.6 | 3.6 | 4.2 | 4.8 |
| 115° | 5.4 | 5.4 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.6 | 4.8 |
| 117.5° | 5.4 | 4.8 | 3.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.6 | 4.8 |
| 120° | 5.4 | 4.8 | 3.0 | 2.4 | 1.8 | 1.8 | 1.8 | 1.8 | 2.4 | 3.0 | 4.8 |
| 122.5° | 4.8 | 4.8 | 3.0 | 2.4 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.0 | 4.8 |
| 125° | 4.8 | 4.8 | 3.0 | 2.4 | 1.8 | 1.8 | 1.2 | 1.8 | 1.8 | 3.0 | 4.2 |
| 127.5° | 4.8 | 4.2 | 3.0 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 1.8 | 2.4 | 4.2 |
| 130° | 4.2 | 4.2 | 3.0 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 | 3.6 |
| 132.5° | 3.6 | 3.6 | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 | 3.0 |
| 135° | 3.0 | 3.0 | 2.4 | 1.8 | 1.2 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 |
| 137.5° | 3.0 | 3.0 | 2.4 | 1.8 | 1.2 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 |
| 140° | 3.0 | 3.0 | 2.4 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 1.8 |
| 142.5° | 3.0 | 3.0 | 2.4 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 1.8 | 1.8 |
| 145° | 3.0 | 3.0 | 3.0 | 2.4 | 1.8 | 1.8 | 1.2 | 1.2 | 1.8 | 1.8 | 2.4 |
| 147.5° | 3.6 | 3.6 | 3.0 | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 | 1.8 | 2.4 | 2.4 |
| 150° | 3.0 | 3.0 | 2.4 | 1.8 | 1.8 | 1.2 | 0.6 | 0.6 | 1.2 | 2.4 | 2.4 |
| 152.5° | 2.4 | 2.4 | 1.8 | 1.2 | 1.2 | 0.6 | 0.0 | 0.6 | 1.2 | 1.8 | 2.4 |
| 155° | 1.8 | 1.2 | 1.2 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 | 1.2 | 1.8 |
| 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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CATALOG NUMBER: LXF.LXT-PA1-60-827-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|--------|
| 0° | 2.4 |
| 2.5° | 2.4 |
| 5° | 2.4 |
| 7.5° | 3.0 |
| 10° | 4.8 |
| 12.5° | 48.0 |
| 15° | 103.2 |
| 17.5° | 115.7 |
| 20° | 209.9 |
| 22.5° | 236.3 |
| 25° | 278.9 |
| 27.5° | 364.0 |
| 30° | 386.8 |
| 32.5° | 515.2 |
| 35° | 542.7 |
| 37.5° | 579.9 |
| 40° | 620.1 |
| 42.5° | 671.7 |
| 45° | 735.8 |
| 47.5° | 810.2 |
| 50° | 884.0 |
| 52.5° | 972.7 |
| 55° | 1075.3 |
| 57.5° | 1173.0 |
| 60° | 1285.2 |
| 62.5° | 1397.9 |
| 65° | 1537.7 |
| 67.5° | 1647.4 |
| 70° | 1767.9 |
| 72° | 1812.9 |
| 72.5° | 1802.1 |
| 75° | 1675.0 |
| 77.5° | 1354.1 |
| 80° | 687.9 |
| 82.5° | 243.5 |
| 85° | 149.3 |
| 87.5° | 113.9 |
| 90° | 107.3 |
| 92.5° | 114.5 |
| 95° | 121.7 |
| 97.5° | 64.8 |
| 100° | 9.6 |
| 102.5° | 9.6 |
| 105° | 9.6 |
| 107.5° | 9.6 |



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CATALOG NUMBER: LXF.LXT-PA1-60-827-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|-----|
| 110° | 7.8 |
| 112.5° | 5.4 |
| 115° | 5.4 |
| 117.5° | 5.4 |
| 120° | 5.4 |
| 122.5° | 5.4 |
| 125° | 4.8 |
| 127.5° | 4.2 |
| 130° | 3.6 |
| 132.5° | 3.0 |
| 135° | 2.4 |
| 137.5° | 1.8 |
| 140° | 1.8 |
| 142.5° | 1.8 |
| 145° | 2.4 |
| 147.5° | 2.4 |
| 150° | 2.4 |
| 152.5° | 2.4 |
| 155° | 1.8 |
| 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)