

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: P416269

Luminaire Tested: **LXF.LXT-PA1-70-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416269
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-PA1-70-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7865 lumens
Efficiency: N/A
Efficacy: 106.3 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 - G3

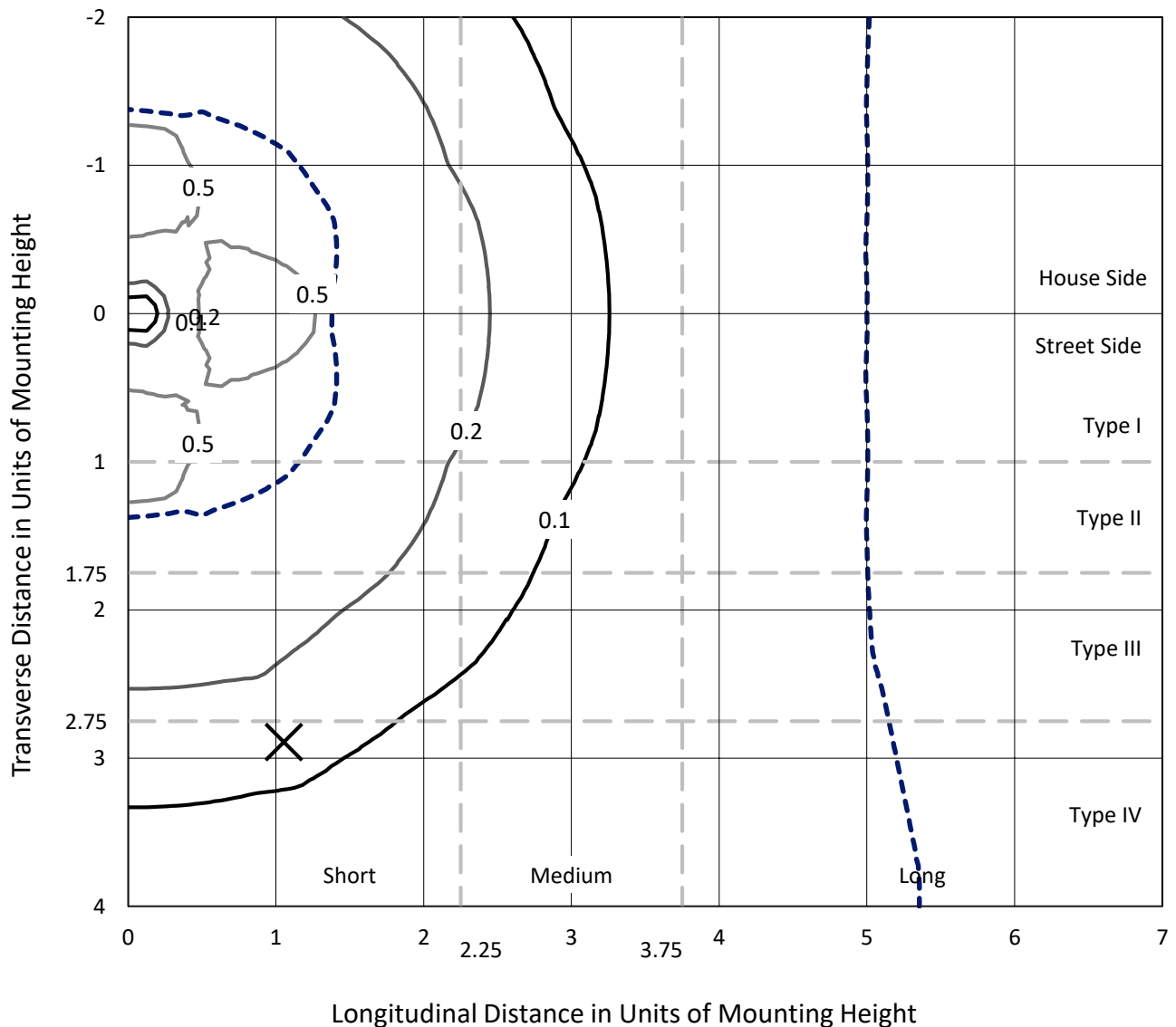
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

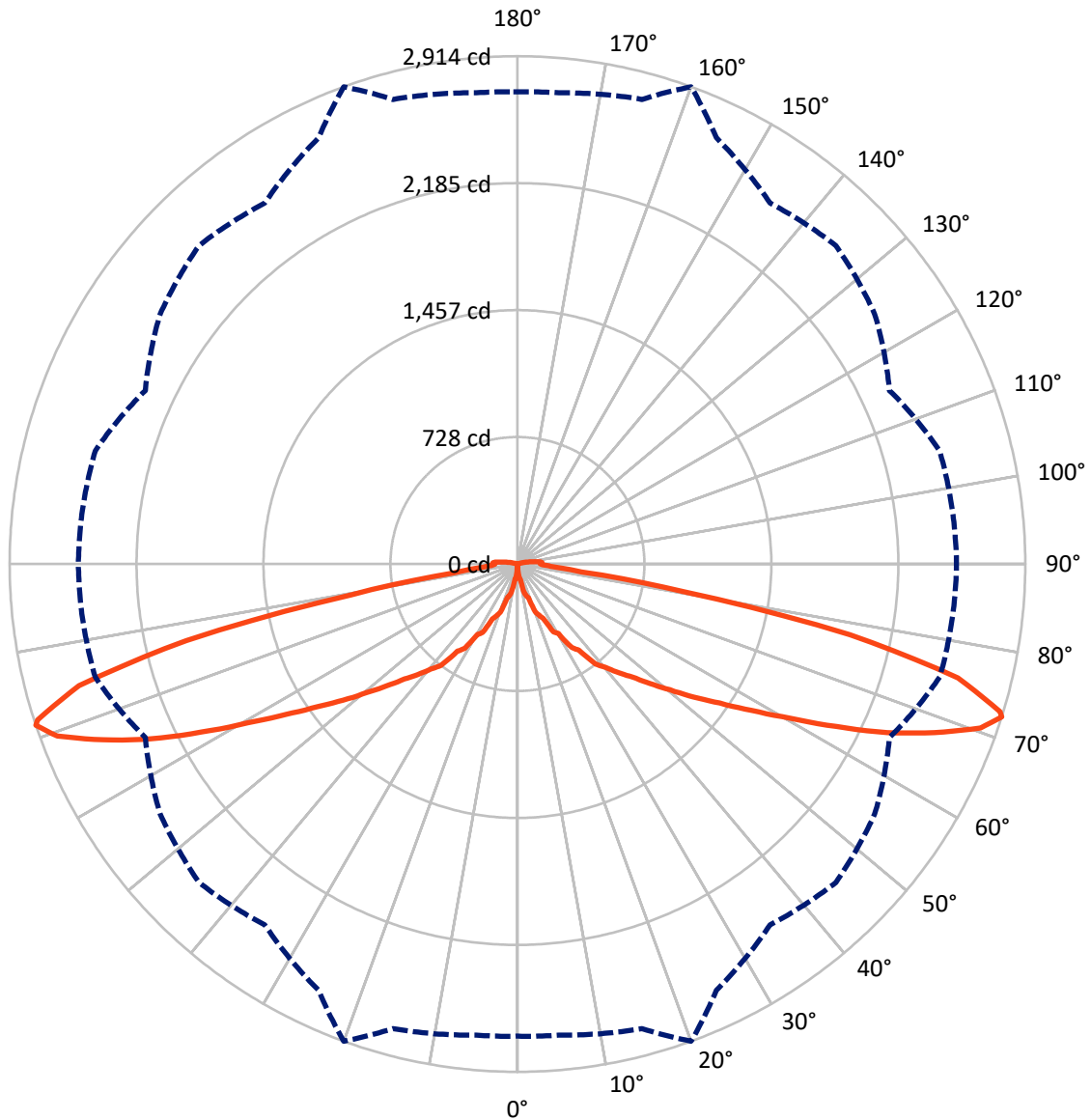
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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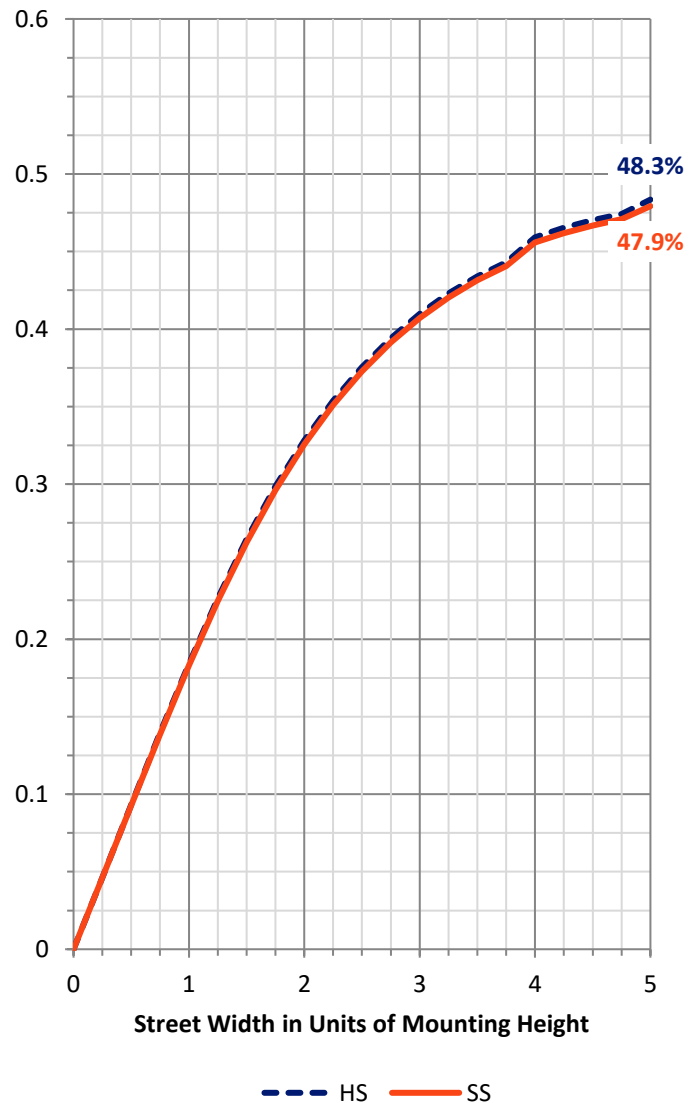
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3841.1 | 91.4 | 3932.5 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Street Side | Lumens | 3841.1 | 91.4 | 3932.5 |
| | % Fixture | 48.8 | 1.2 | 50.0 |
| Total | Lumens | 7682.2 | 182.8 | 7865.0 |
| | % Fixture | 97.7 | 2.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.0 | 0.0 |
| 10°-20° | 43.1 | 0.5 |
| 20°-30° | 170.4 | 2.2 |
| 30°-40° | 394.5 | 5.0 |
| 40°-50° | 718.0 | 9.1 |
| 50°-60° | 1273.1 | 16.2 |
| 60°-70° | 2153.6 | 27.4 |
| 70°-80° | 2392.9 | 30.4 |
| 80°-90° | 533.5 | 6.8 |
| 90°-100° | 148.5 | 1.9 |
| 100°-110° | 21.9 | 0.3 |
| 110°-120° | 5.1 | 0.1 |
| 120°-130° | 3.2 | 0.0 |
| 130°-140° | 2.0 | 0.0 |
| 140°-150° | 1.7 | 0.0 |
| 150°-160° | 0.5 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 7682.2 | 97.7 |
| 0°-180° | 7865.0 | 100.0 |



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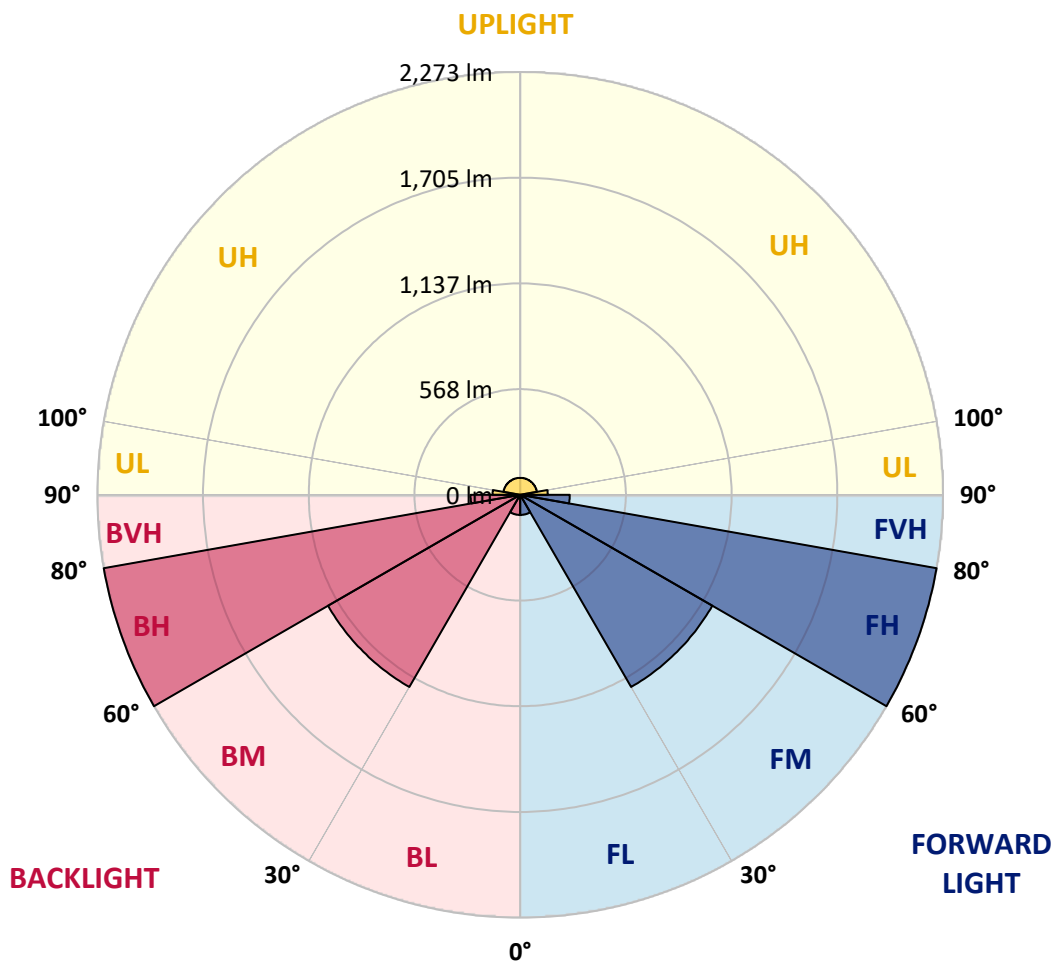
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 108.3 | 1.4 | | | |
| FM | (30°-60°) | 1192.8 | 15.2 | | | |
| FH | (60°-80°) | 2273.3 | 28.9 | | | G2/5000 |
| FVH | (80°-90°) | 266.7 | 3.4 | | | G3/500 |
| BL | (0°-30°) | 108.3 | 1.4 | B0/110 | | |
| BM | (30°-60°) | 1192.8 | 15.2 | B2/2500 | | |
| BH | (60°-80°) | 2273.3 | 28.9 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 266.7 | 3.4 | | | G3/500 |
| UL | (90°-100°) | 148.5 | 1.9 | | U3/500 | |
| UH | (100°-180°) | 91.4 | 1.2 | | U3/500 | |

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 2.5° | 4.2 | 4.2 | 4.2 | 5.0 | 3.3 | 4.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 5° | 36.7 | 35.8 | 33.3 | 61.7 | 29.2 | 15.0 | 8.3 | 5.0 | 3.3 | 3.3 | 3.3 |
| 7.5° | 78.3 | 77.5 | 75.0 | 82.5 | 62.5 | 47.5 | 37.5 | 25.0 | 6.7 | 4.2 | 4.2 |
| 10° | 94.2 | 93.3 | 90.0 | 90.8 | 87.5 | 85.0 | 70.0 | 42.5 | 19.2 | 6.7 | 6.7 |
| 12.5° | 140.8 | 140.0 | 134.1 | 163.3 | 113.3 | 94.2 | 87.5 | 74.2 | 41.7 | 33.3 | 65.0 |
| 15° | 192.5 | 192.5 | 184.1 | 188.3 | 155.8 | 137.5 | 101.7 | 127.5 | 140.0 | 133.3 | 142.5 |
| 17.5° | 214.1 | 213.3 | 205.0 | 203.3 | 195.0 | 179.1 | 175.8 | 185.0 | 180.0 | 160.0 | 160.8 |
| 20° | 272.5 | 271.6 | 260.8 | 292.5 | 241.6 | 203.3 | 253.3 | 221.6 | 204.1 | 232.5 | 270.0 |
| 22.5° | 327.4 | 326.6 | 318.3 | 319.9 | 292.5 | 299.1 | 276.6 | 256.6 | 303.3 | 314.1 | 324.1 |
| 25° | 388.3 | 385.8 | 353.3 | 346.6 | 323.3 | 354.1 | 317.4 | 369.1 | 337.4 | 352.4 | 379.1 |
| 27.5° | 455.8 | 452.4 | 436.6 | 441.6 | 396.6 | 383.3 | 404.9 | 394.1 | 414.9 | 479.9 | 494.1 |
| 30° | 499.1 | 479.9 | 465.8 | 463.3 | 472.4 | 429.1 | 445.8 | 456.6 | 479.1 | 507.4 | 532.4 |
| 32.5° | 599.9 | 595.7 | 541.6 | 570.7 | 516.6 | 511.6 | 476.6 | 513.2 | 513.2 | 623.2 | 698.2 |
| 35° | 644.9 | 640.7 | 625.7 | 606.6 | 593.2 | 547.4 | 564.1 | 552.4 | 637.4 | 678.2 | 740.7 |
| 37.5° | 800.7 | 796.5 | 717.4 | 727.4 | 646.6 | 620.7 | 603.2 | 648.2 | 681.6 | 724.0 | 796.5 |
| 40° | 861.5 | 858.2 | 826.5 | 781.5 | 751.5 | 677.4 | 655.7 | 693.2 | 734.0 | 780.7 | 854.9 |
| 42.5° | 934.0 | 931.5 | 894.0 | 852.4 | 822.4 | 759.0 | 735.7 | 739.0 | 789.0 | 858.2 | 930.7 |
| 45° | 1020.7 | 1020.7 | 996.5 | 924.8 | 895.7 | 850.7 | 813.2 | 817.4 | 864.0 | 947.3 | 1022.3 |
| 47.5° | 1119.8 | 1118.2 | 1104.0 | 1024.0 | 1001.5 | 933.2 | 903.2 | 916.5 | 952.3 | 1044.8 | 1124.0 |
| 50° | 1235.6 | 1227.3 | 1226.5 | 1134.8 | 1107.3 | 1037.3 | 1009.0 | 1031.5 | 1053.2 | 1144.8 | 1230.6 |
| 52.5° | 1354.8 | 1357.3 | 1358.1 | 1268.1 | 1240.6 | 1180.6 | 1139.8 | 1164.0 | 1164.0 | 1260.6 | 1354.8 |
| 55° | 1496.4 | 1502.3 | 1498.1 | 1408.9 | 1413.1 | 1348.1 | 1292.3 | 1322.3 | 1311.5 | 1403.9 | 1488.1 |
| 57.5° | 1678.9 | 1677.2 | 1685.6 | 1583.1 | 1596.4 | 1543.9 | 1480.6 | 1499.8 | 1483.1 | 1558.9 | 1633.9 |
| 60° | 1861.4 | 1861.4 | 1883.0 | 1793.9 | 1829.7 | 1750.5 | 1709.7 | 1719.7 | 1660.6 | 1723.9 | 1790.5 |
| 62.5° | 2051.3 | 2053.0 | 2084.7 | 2054.7 | 2063.0 | 1978.8 | 1953.0 | 1937.2 | 1824.7 | 1907.2 | 1953.0 |
| 65° | 2243.8 | 2246.3 | 2298.8 | 2331.3 | 2269.6 | 2193.0 | 2170.5 | 2132.2 | 2011.3 | 2128.0 | 2136.3 |
| 67.5° | 2438.8 | 2449.6 | 2512.1 | 2581.2 | 2487.1 | 2344.6 | 2377.1 | 2308.0 | 2183.0 | 2294.6 | 2288.8 |
| 70° | 2652.9 | 2660.4 | 2702.9 | 2818.7 | 2649.6 | 2466.3 | 2501.3 | 2450.4 | 2302.1 | 2441.3 | 2452.1 |
| 72° | 2708.7 | 2713.7 | 2759.5 | 2913.7 | 2698.7 | 2527.1 | 2583.7 | 2502.1 | 2355.4 | 2507.9 | 2516.3 |
| 72.5° | 2705.4 | 2712.9 | 2750.4 | 2895.4 | 2697.1 | 2537.9 | 2598.7 | 2507.9 | 2354.6 | 2503.8 | 2502.9 |
| 75° | 2451.3 | 2468.8 | 2526.3 | 2610.4 | 2548.8 | 2516.3 | 2646.2 | 2472.9 | 2260.5 | 2343.0 | 2323.8 |
| 77.5° | 1798.9 | 1812.2 | 1895.5 | 1948.8 | 2070.5 | 2288.8 | 2522.9 | 2271.3 | 1976.3 | 1938.9 | 1875.5 |
| 80° | 882.4 | 877.4 | 1044.8 | 969.0 | 1320.6 | 1751.4 | 2093.8 | 1797.2 | 1397.3 | 1137.3 | 974.0 |
| 82.5° | 298.3 | 315.8 | 384.1 | 369.9 | 587.4 | 1010.7 | 1417.3 | 1109.8 | 647.4 | 440.8 | 364.1 |
| 85° | 168.3 | 174.1 | 211.6 | 203.3 | 239.1 | 392.4 | 729.0 | 504.9 | 283.3 | 236.6 | 210.8 |
| 87.5° | 148.3 | 150.8 | 149.1 | 146.6 | 158.3 | 220.0 | 220.8 | 228.3 | 173.3 | 160.8 | 161.6 |
| 90° | 150.0 | 151.6 | 135.8 | 130.0 | 139.1 | 184.1 | 205.0 | 194.1 | 141.6 | 138.3 | 151.6 |
| 92.5° | 162.5 | 164.1 | 147.5 | 141.6 | 149.1 | 189.1 | 210.8 | 200.0 | 143.3 | 147.5 | 161.6 |
| 95° | 148.3 | 150.0 | 135.8 | 130.0 | 138.3 | 175.8 | 197.5 | 193.3 | 136.6 | 150.8 | 171.6 |
| 97.5° | 95.0 | 95.8 | 95.0 | 95.0 | 109.1 | 133.3 | 139.1 | 131.6 | 90.8 | 92.5 | 94.2 |
| 100° | 37.5 | 30.0 | 42.5 | 62.5 | 77.5 | 78.3 | 75.0 | 69.2 | 58.3 | 38.3 | 19.2 |
| 102.5° | 12.5 | 12.5 | 29.2 | 40.8 | 45.8 | 36.7 | 29.2 | 29.2 | 34.2 | 24.2 | 12.5 |
| 105° | 12.5 | 12.5 | 15.8 | 19.2 | 19.2 | 10.0 | 9.2 | 15.0 | 21.7 | 12.5 | 12.5 |
| 107.5° | 11.7 | 12.5 | 8.3 | 7.5 | 6.7 | 6.7 | 6.7 | 6.7 | 8.3 | 9.2 | 12.5 |



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 20° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 110° | 10.0 | 10.0 | 6.7 | 6.7 | 5.8 | 5.0 | 6.7 | 5.8 | 6.7 | 7.5 | 10.0 |
| 112.5° | 7.5 | 8.3 | 5.0 | 5.0 | 5.0 | 4.2 | 5.8 | 5.0 | 5.0 | 5.8 | 6.7 |
| 115° | 7.5 | 7.5 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 5.0 | 6.7 |
| 117.5° | 7.5 | 6.7 | 4.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 5.0 | 6.7 |
| 120° | 7.5 | 6.7 | 4.2 | 3.3 | 2.5 | 2.5 | 2.5 | 2.5 | 3.3 | 4.2 | 6.7 |
| 122.5° | 6.7 | 6.7 | 4.2 | 3.3 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.2 | 6.7 |
| 125° | 6.7 | 6.7 | 4.2 | 3.3 | 2.5 | 2.5 | 1.7 | 2.5 | 2.5 | 4.2 | 5.8 |
| 127.5° | 6.7 | 5.8 | 4.2 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 2.5 | 3.3 | 5.8 |
| 130° | 5.8 | 5.8 | 4.2 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.3 | 5.0 |
| 132.5° | 5.0 | 5.0 | 3.3 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.5 | 4.2 |
| 135° | 4.2 | 4.2 | 3.3 | 2.5 | 1.7 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 3.3 |
| 137.5° | 4.2 | 4.2 | 3.3 | 2.5 | 1.7 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 2.5 |
| 140° | 4.2 | 4.2 | 3.3 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 2.5 |
| 142.5° | 4.2 | 4.2 | 3.3 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 2.5 | 2.5 |
| 145° | 4.2 | 4.2 | 4.2 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 | 2.5 | 2.5 | 3.3 |
| 147.5° | 5.0 | 5.0 | 4.2 | 3.3 | 2.5 | 1.7 | 1.7 | 1.7 | 2.5 | 3.3 | 3.3 |
| 150° | 4.2 | 4.2 | 3.3 | 2.5 | 2.5 | 1.7 | 0.8 | 0.8 | 1.7 | 3.3 | 3.3 |
| 152.5° | 3.3 | 3.3 | 2.5 | 1.7 | 1.7 | 0.8 | 0.0 | 0.8 | 1.7 | 2.5 | 3.3 |
| 155° | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 1.7 | 2.5 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 |
| 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-PA1-70-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|--------|
| 0° | 3.3 |
| 2.5° | 3.3 |
| 5° | 3.3 |
| 7.5° | 4.2 |
| 10° | 6.7 |
| 12.5° | 66.7 |
| 15° | 143.3 |
| 17.5° | 160.8 |
| 20° | 291.6 |
| 22.5° | 328.3 |
| 25° | 387.4 |
| 27.5° | 505.8 |
| 30° | 537.4 |
| 32.5° | 715.7 |
| 35° | 754.0 |
| 37.5° | 805.7 |
| 40° | 861.5 |
| 42.5° | 933.2 |
| 45° | 1022.3 |
| 47.5° | 1125.6 |
| 50° | 1228.1 |
| 52.5° | 1351.4 |
| 55° | 1493.9 |
| 57.5° | 1629.7 |
| 60° | 1785.5 |
| 62.5° | 1942.2 |
| 65° | 2136.3 |
| 67.5° | 2288.8 |
| 70° | 2456.3 |
| 72° | 2518.8 |
| 72.5° | 2503.8 |
| 75° | 2327.1 |
| 77.5° | 1881.4 |
| 80° | 955.7 |
| 82.5° | 338.3 |
| 85° | 207.5 |
| 87.5° | 158.3 |
| 90° | 149.1 |
| 92.5° | 159.1 |
| 95° | 169.1 |
| 97.5° | 90.0 |
| 100° | 13.3 |
| 102.5° | 13.3 |
| 105° | 13.3 |
| 107.5° | 13.3 |



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CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|------|
| 110° | 10.8 |
| 112.5° | 7.5 |
| 115° | 7.5 |
| 117.5° | 7.5 |
| 120° | 7.5 |
| 122.5° | 7.5 |
| 125° | 6.7 |
| 127.5° | 5.8 |
| 130° | 5.0 |
| 132.5° | 4.2 |
| 135° | 3.3 |
| 137.5° | 2.5 |
| 140° | 2.5 |
| 142.5° | 2.5 |
| 145° | 3.3 |
| 147.5° | 3.3 |
| 150° | 3.3 |
| 152.5° | 3.3 |
| 155° | 2.5 |
| 157.5° | 0.8 |
| 160° | 0.8 |
| 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)