

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: P695685

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6769 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

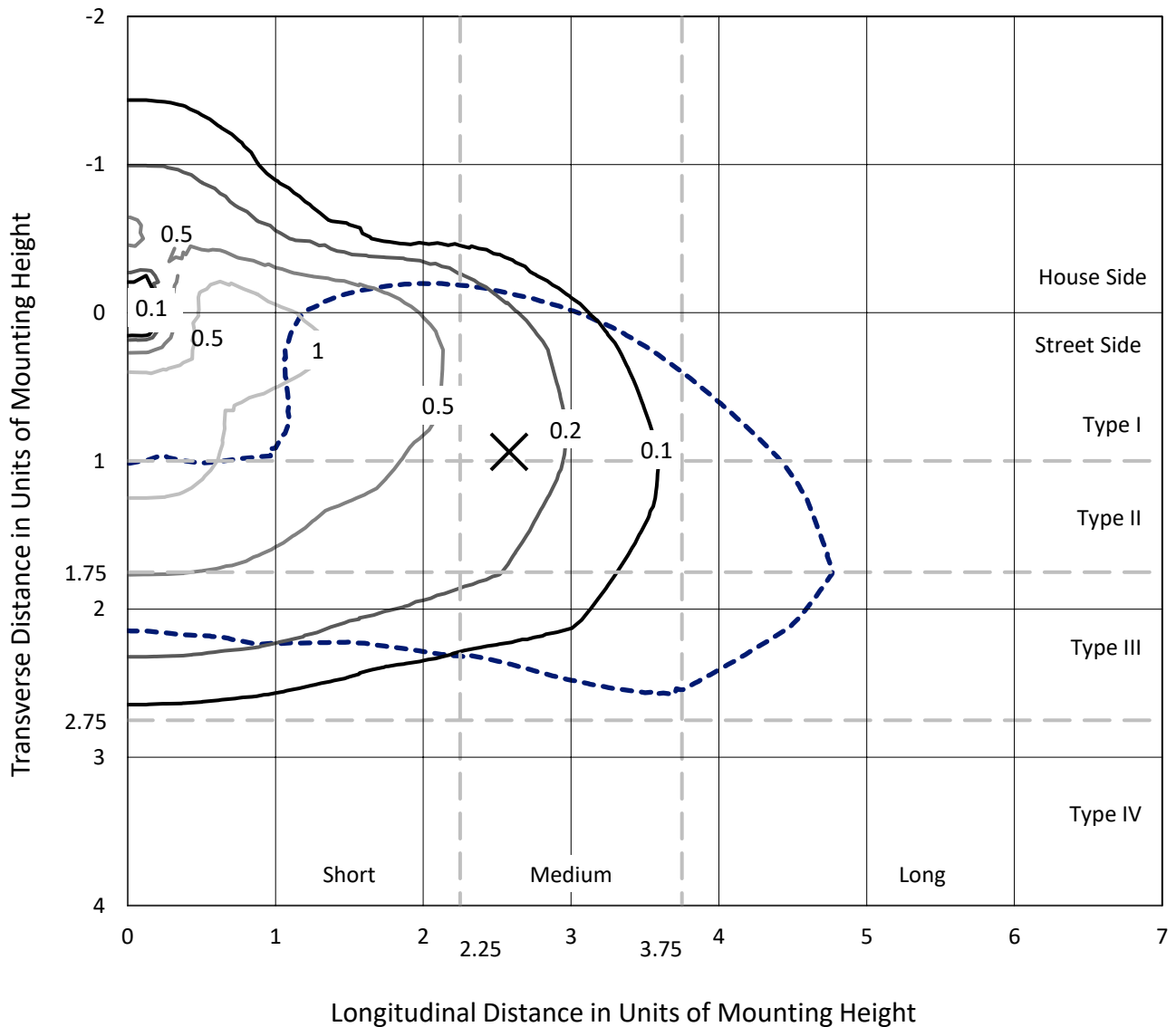
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695685
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

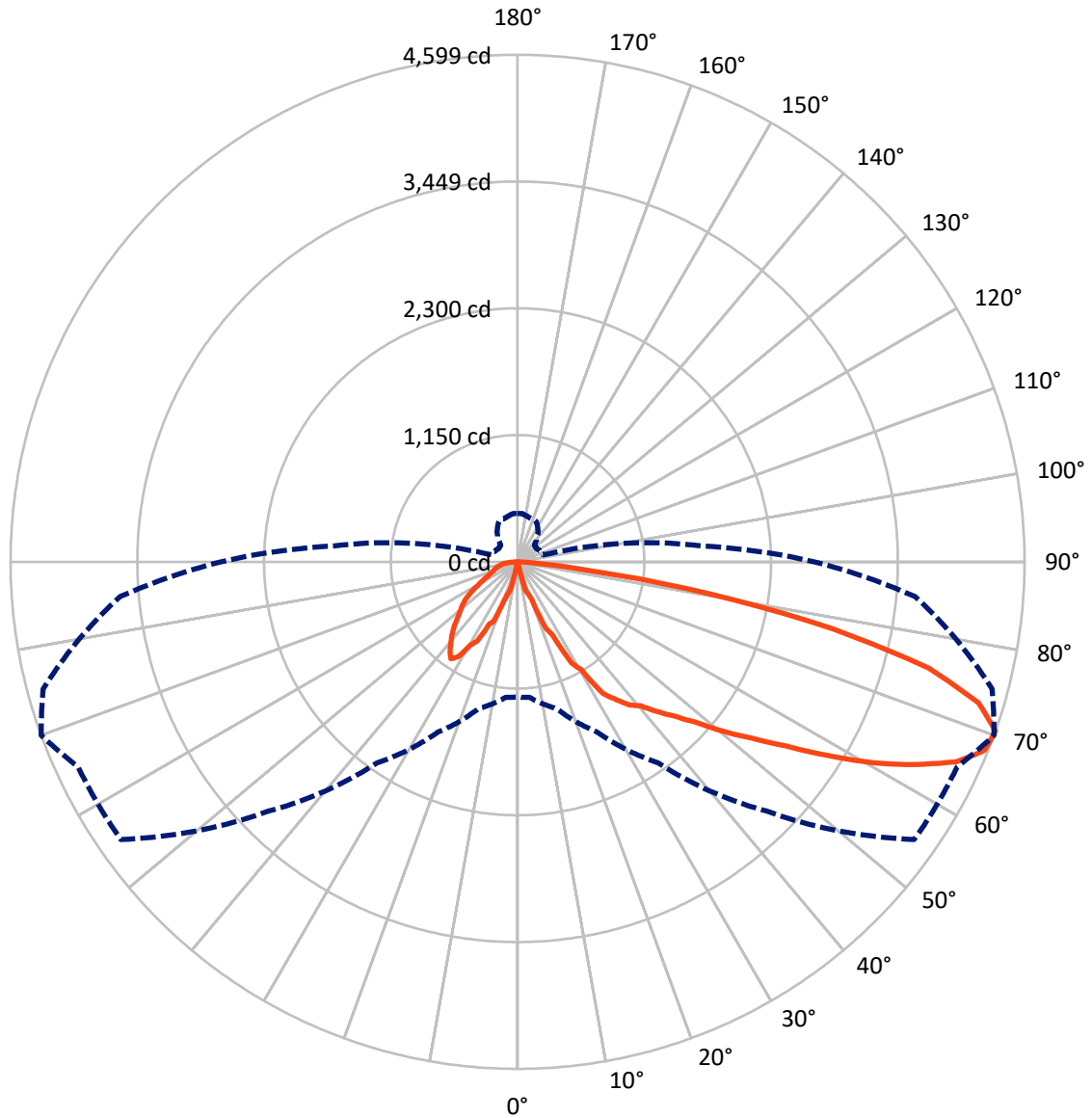
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P695685
CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695685
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

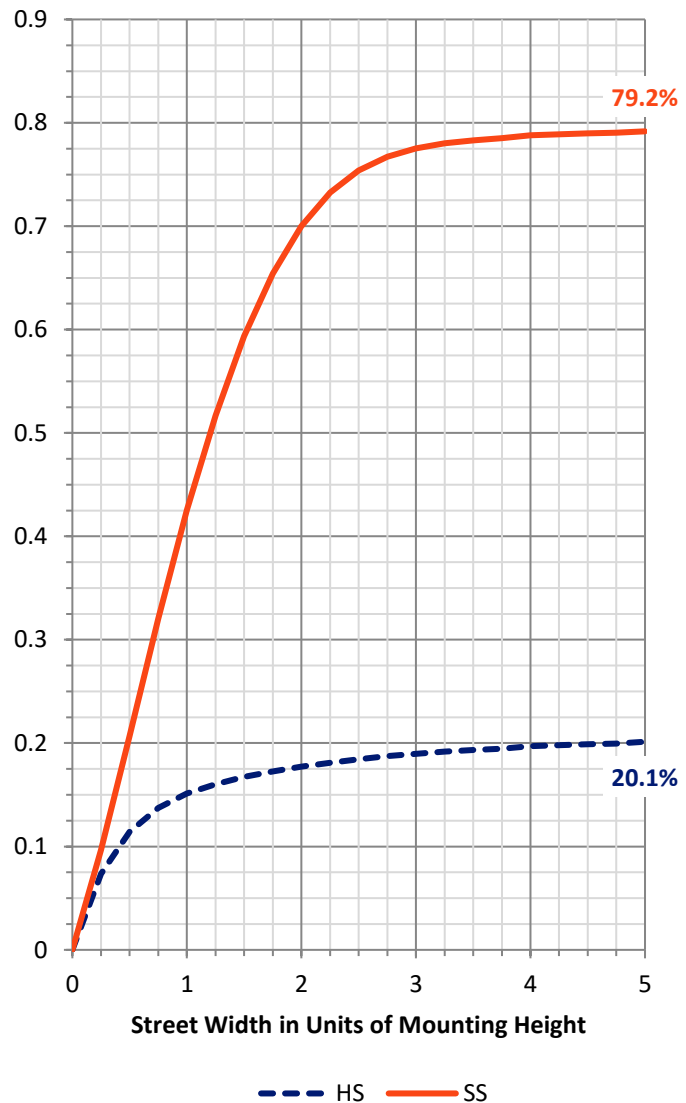
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1395.0 | 0.0 | 1395.0 |
| | % Fixture | 20.6 | 0.0 | 20.6 |
| Street Side | Lumens | 5374.0 | 0.0 | 5374.0 |
| | % Fixture | 79.4 | 0.0 | 79.4 |
| Total | Lumens | 6769.0 | 0.0 | 6769.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.3 | 0.0 |
| 10°-20° | 57.3 | 0.8 |
| 20°-30° | 323.8 | 4.8 |
| 30°-40° | 720.2 | 10.6 |
| 40°-50° | 1030.0 | 15.2 |
| 50°-60° | 1496.7 | 22.1 |
| 60°-70° | 1878.5 | 27.8 |
| 70°-80° | 1115.6 | 16.5 |
| 80°-90° | 146.6 | 2.2 |
| 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° | 6769.0 | 100.0 |
| 0°-180° | 6769.0 | 100.0 |

Coefficient of Utilization

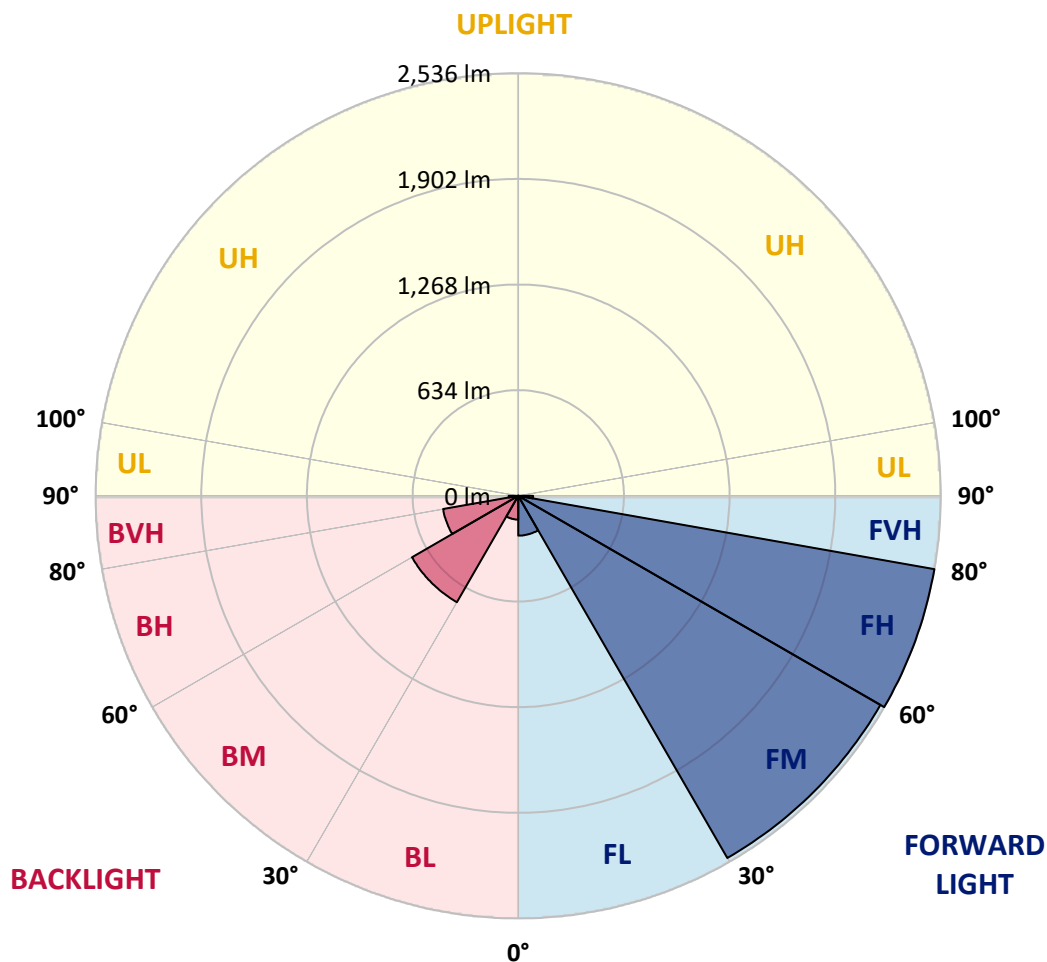


REPORT NUMBER: P695685
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 238.8 | 3.5 | | | |
| FM (30°-60°) | 2510.0 | 37.1 | | | |
| FH (60°-80°) | 2536.2 | 37.5 | | | G2/5000 |
| FVH (80°-90°) | 89.0 | 1.3 | | | G1/100 |
| BL (0°-30°) | 142.5 | 2.1 | B1/500 | | |
| BM (30°-60°) | 736.9 | 10.9 | B1/1000 | | |
| BH (60°-80°) | 457.9 | 6.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 57.6 | 0.9 | | | 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: P695685
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 2.5° | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 5° | 0.0 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 7.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 10° | 30.3 | 32.6 | 20.9 | 11.6 | 4.7 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 12.5° | 270.0 | 270.0 | 267.7 | 172.2 | 53.5 | 11.6 | 4.7 | 14.0 | 25.6 | 27.9 | 41.9 |
| 15° | 300.3 | 300.3 | 300.3 | 295.6 | 281.6 | 97.8 | 44.2 | 246.7 | 270.0 | 277.0 | 277.0 |
| 17.5° | 395.7 | 402.7 | 365.4 | 328.2 | 311.9 | 272.3 | 263.0 | 295.6 | 300.3 | 304.9 | 307.2 |
| 20° | 672.7 | 672.7 | 672.7 | 600.5 | 370.1 | 477.2 | 437.6 | 337.5 | 353.8 | 423.6 | 584.2 |
| 22.5° | 749.5 | 747.2 | 730.9 | 707.6 | 758.8 | 530.7 | 498.1 | 588.9 | 649.4 | 670.3 | 661.0 |
| 25° | 1147.5 | 1145.2 | 1084.7 | 800.7 | 835.6 | 716.9 | 749.5 | 747.2 | 733.2 | 740.2 | 730.9 |
| 27.5° | 1245.3 | 1240.6 | 1235.9 | 1126.6 | 924.1 | 968.3 | 870.5 | 972.9 | 1038.1 | 1087.0 | 1056.7 |
| 30° | 1750.3 | 1650.3 | 1450.1 | 1277.8 | 1180.1 | 1038.1 | 1119.6 | 1180.1 | 1135.9 | 1156.8 | 1107.9 |
| 32.5° | 1850.4 | 1859.7 | 1850.4 | 1610.7 | 1312.8 | 1182.4 | 1256.9 | 1252.2 | 1426.8 | 1487.3 | 1471.0 |
| 35° | 1950.5 | 1943.5 | 1929.6 | 1715.4 | 1526.9 | 1364.0 | 1324.4 | 1533.9 | 1533.9 | 1568.8 | 1519.9 |
| 37.5° | 2029.7 | 2027.3 | 2008.7 | 1773.6 | 1634.0 | 1429.1 | 1499.0 | 1645.6 | 1647.9 | 1682.8 | 1575.8 |
| 40° | 2097.2 | 2099.5 | 2092.5 | 1836.5 | 1720.1 | 1499.0 | 1580.4 | 1755.0 | 1717.8 | 1769.0 | 1668.9 |
| 42.5° | 2155.3 | 2162.3 | 2174.0 | 1929.6 | 1794.6 | 1568.8 | 1657.2 | 1834.1 | 1857.4 | 1917.9 | 1803.9 |
| 45° | 2262.4 | 2276.4 | 2292.7 | 2076.2 | 1894.7 | 1661.9 | 1762.0 | 1992.4 | 1997.1 | 2087.8 | 1990.1 |
| 47.5° | 2397.4 | 2406.7 | 2441.6 | 2234.5 | 2043.6 | 1796.9 | 1869.1 | 2108.8 | 2176.3 | 2290.3 | 2213.5 |
| 50° | 2513.8 | 2532.4 | 2579.0 | 2427.7 | 2248.4 | 1994.7 | 2020.3 | 2281.0 | 2416.0 | 2518.4 | 2448.6 |
| 52.5° | 2602.2 | 2618.5 | 2688.4 | 2590.6 | 2464.9 | 2206.6 | 2211.2 | 2520.8 | 2658.1 | 2800.1 | 2758.2 |
| 55° | 2674.4 | 2693.0 | 2758.2 | 2744.2 | 2662.8 | 2381.1 | 2474.2 | 2751.2 | 2944.4 | 3112.0 | 3065.4 |
| 57.5° | 2686.0 | 2683.7 | 2807.1 | 2849.0 | 2800.1 | 2611.6 | 2807.1 | 3002.6 | 3312.2 | 3444.8 | 3447.2 |
| 60° | 2632.5 | 2644.1 | 2790.8 | 2918.8 | 2923.4 | 2849.0 | 3170.2 | 3337.8 | 3700.9 | 3789.3 | 3817.2 |
| 62.5° | 2518.4 | 2544.1 | 2707.0 | 2918.8 | 3023.5 | 3086.4 | 3524.0 | 3714.8 | 4050.0 | 4096.6 | 4066.3 |
| 65° | 2302.0 | 2311.3 | 2471.9 | 2783.8 | 3032.8 | 3302.8 | 3889.4 | 4043.0 | 4373.5 | 4327.0 | 4122.2 |
| 67.5° | 1859.7 | 1887.7 | 2036.6 | 2397.4 | 2811.7 | 3398.3 | 4222.2 | 4289.7 | 4566.7 | 4469.0 | 3984.8 |
| 70° | 1226.6 | 1233.6 | 1380.3 | 1701.5 | 2227.5 | 3200.4 | 4392.2 | 4399.1 | 4599.3 | 4455.0 | 3619.4 |
| 72.5° | 533.0 | 491.1 | 630.8 | 889.1 | 1366.3 | 2495.2 | 4185.0 | 4285.1 | 4368.9 | 4192.0 | 2997.9 |
| 75° | 230.4 | 235.1 | 272.3 | 367.8 | 633.1 | 1410.5 | 3482.1 | 3735.8 | 3849.8 | 3570.5 | 2185.6 |
| 77.5° | 172.2 | 172.2 | 197.8 | 223.4 | 295.6 | 533.0 | 2269.4 | 2781.5 | 2916.5 | 2585.9 | 1359.3 |
| 80° | 125.7 | 130.3 | 149.0 | 162.9 | 190.9 | 216.5 | 1131.2 | 1685.2 | 1771.3 | 1347.7 | 598.2 |
| 82.5° | 95.4 | 95.4 | 107.1 | 116.4 | 130.3 | 130.3 | 384.1 | 723.9 | 656.4 | 458.5 | 207.2 |
| 85° | 41.9 | 34.9 | 55.9 | 53.5 | 58.2 | 46.6 | 102.4 | 132.7 | 132.7 | 104.7 | 46.6 |
| 87.5° | 0.0 | 2.3 | 2.3 | 2.3 | 4.7 | 4.7 | 9.3 | 7.0 | 9.3 | 9.3 | 7.0 |
| 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: P695685
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 2.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 7.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 10° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 0.0 | 0.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 12.5° | 37.2 | 44.2 | 27.9 | 14.0 | 2.3 | 0.0 | 0.0 | 2.3 | 2.3 | 4.7 | 4.7 |
| 15° | 281.6 | 279.3 | 279.3 | 256.0 | 44.2 | 7.0 | 4.7 | 23.3 | 79.1 | 167.6 | 165.3 |
| 17.5° | 307.2 | 307.2 | 307.2 | 295.6 | 267.7 | 74.5 | 74.5 | 246.7 | 267.7 | 270.0 | 272.3 |
| 20° | 581.9 | 574.9 | 444.6 | 318.9 | 281.6 | 267.7 | 244.4 | 270.0 | 274.7 | 277.0 | 281.6 |
| 22.5° | 654.1 | 647.1 | 616.8 | 554.0 | 316.6 | 388.7 | 351.5 | 288.6 | 430.6 | 451.6 | 456.2 |
| 25° | 726.2 | 707.6 | 661.0 | 579.6 | 530.7 | 393.4 | 412.0 | 412.0 | 430.6 | 428.3 | 430.6 |
| 27.5° | 1035.8 | 1014.8 | 952.0 | 658.7 | 574.9 | 460.9 | 456.2 | 402.7 | 432.9 | 493.4 | 498.1 |
| 30° | 1084.7 | 1059.1 | 972.9 | 758.8 | 605.2 | 502.8 | 425.9 | 479.5 | 502.8 | 495.8 | 498.1 |
| 32.5° | 1431.5 | 1401.2 | 1263.9 | 763.4 | 609.8 | 463.2 | 472.5 | 479.5 | 488.8 | 533.0 | 537.7 |
| 35° | 1475.7 | 1447.8 | 1261.6 | 875.2 | 563.3 | 460.9 | 456.2 | 488.8 | 542.3 | 549.3 | 551.6 |
| 37.5° | 1538.5 | 1510.6 | 1235.9 | 798.4 | 560.9 | 456.2 | 444.6 | 481.8 | 500.4 | 493.4 | 488.8 |
| 40° | 1629.3 | 1587.4 | 1187.1 | 714.6 | 509.7 | 432.9 | 432.9 | 442.2 | 456.2 | 430.6 | 423.6 |
| 42.5° | 1764.3 | 1678.2 | 1133.5 | 640.1 | 467.8 | 402.7 | 402.7 | 405.0 | 395.7 | 372.4 | 372.4 |
| 45° | 1910.9 | 1755.0 | 1063.7 | 572.6 | 425.9 | 370.1 | 372.4 | 356.1 | 365.4 | 346.8 | 346.8 |
| 47.5° | 2083.2 | 1848.1 | 977.6 | 507.4 | 388.7 | 339.8 | 335.2 | 337.5 | 349.1 | 335.2 | 335.2 |
| 50° | 2281.0 | 1959.8 | 912.4 | 449.2 | 356.1 | 309.6 | 321.2 | 328.2 | 342.2 | 330.5 | 328.2 |
| 52.5° | 2516.1 | 2078.5 | 861.2 | 402.7 | 328.2 | 284.0 | 311.9 | 321.2 | 337.5 | 330.5 | 328.2 |
| 55° | 2790.8 | 2227.5 | 779.7 | 365.4 | 302.6 | 270.0 | 304.9 | 321.2 | 339.8 | 335.2 | 332.8 |
| 57.5° | 3046.8 | 2355.5 | 665.7 | 328.2 | 284.0 | 260.7 | 302.6 | 321.2 | 344.5 | 339.8 | 337.5 |
| 60° | 3277.2 | 2476.6 | 526.0 | 300.3 | 267.7 | 249.1 | 295.6 | 321.2 | 346.8 | 349.1 | 346.8 |
| 62.5° | 3393.6 | 2483.5 | 425.9 | 279.3 | 251.4 | 237.4 | 288.6 | 318.9 | 344.5 | 358.4 | 358.4 |
| 65° | 3337.8 | 2343.9 | 339.8 | 258.4 | 237.4 | 223.4 | 281.6 | 325.9 | 365.4 | 388.7 | 388.7 |
| 67.5° | 3109.7 | 2062.2 | 281.6 | 242.1 | 221.1 | 211.8 | 290.9 | 367.8 | 405.0 | 428.3 | 428.3 |
| 70° | 2693.0 | 1666.6 | 242.1 | 228.1 | 209.5 | 216.5 | 323.5 | 402.7 | 414.3 | 439.9 | 437.6 |
| 72.5° | 2136.7 | 1245.3 | 216.5 | 214.1 | 202.5 | 228.1 | 344.5 | 388.7 | 388.7 | 398.0 | 388.7 |
| 75° | 1503.6 | 791.4 | 195.5 | 200.2 | 186.2 | 209.5 | 325.9 | 363.1 | 346.8 | 342.2 | 339.8 |
| 77.5° | 856.6 | 428.3 | 172.2 | 181.6 | 167.6 | 181.6 | 284.0 | 323.5 | 307.2 | 295.6 | 290.9 |
| 80° | 367.8 | 218.8 | 149.0 | 162.9 | 146.6 | 153.6 | 237.4 | 279.3 | 267.7 | 253.7 | 249.1 |
| 82.5° | 146.6 | 114.1 | 125.7 | 144.3 | 123.4 | 130.3 | 202.5 | 237.4 | 228.1 | 214.1 | 200.2 |
| 85° | 41.9 | 44.2 | 76.8 | 102.4 | 93.1 | 102.4 | 162.9 | 188.5 | 174.6 | 137.3 | 132.7 |
| 87.5° | 4.7 | 7.0 | 16.3 | 20.9 | 23.3 | 18.6 | 37.2 | 51.2 | 46.6 | 34.9 | 27.9 |
| 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)