

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: P415425

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5485 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

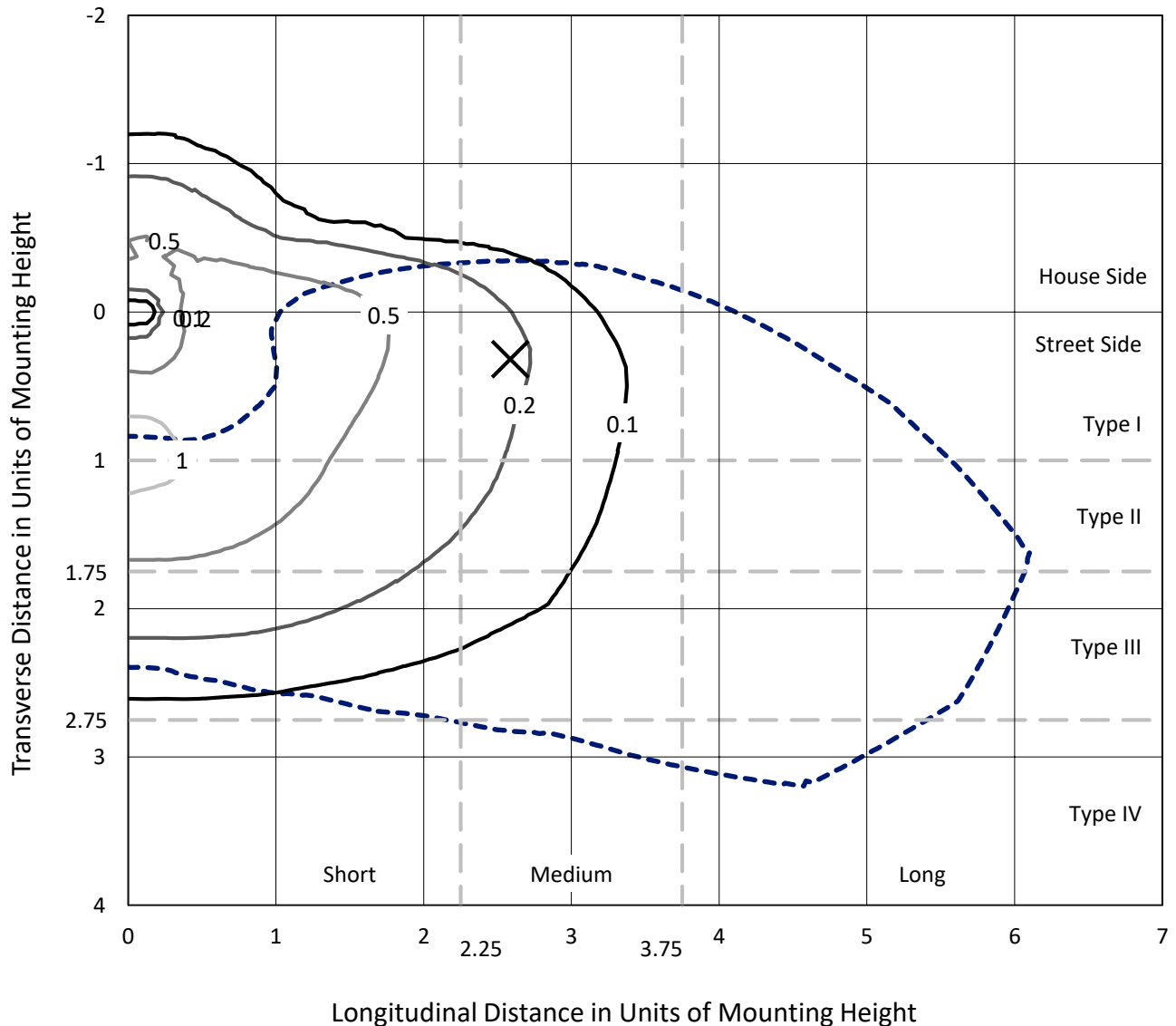
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415425
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

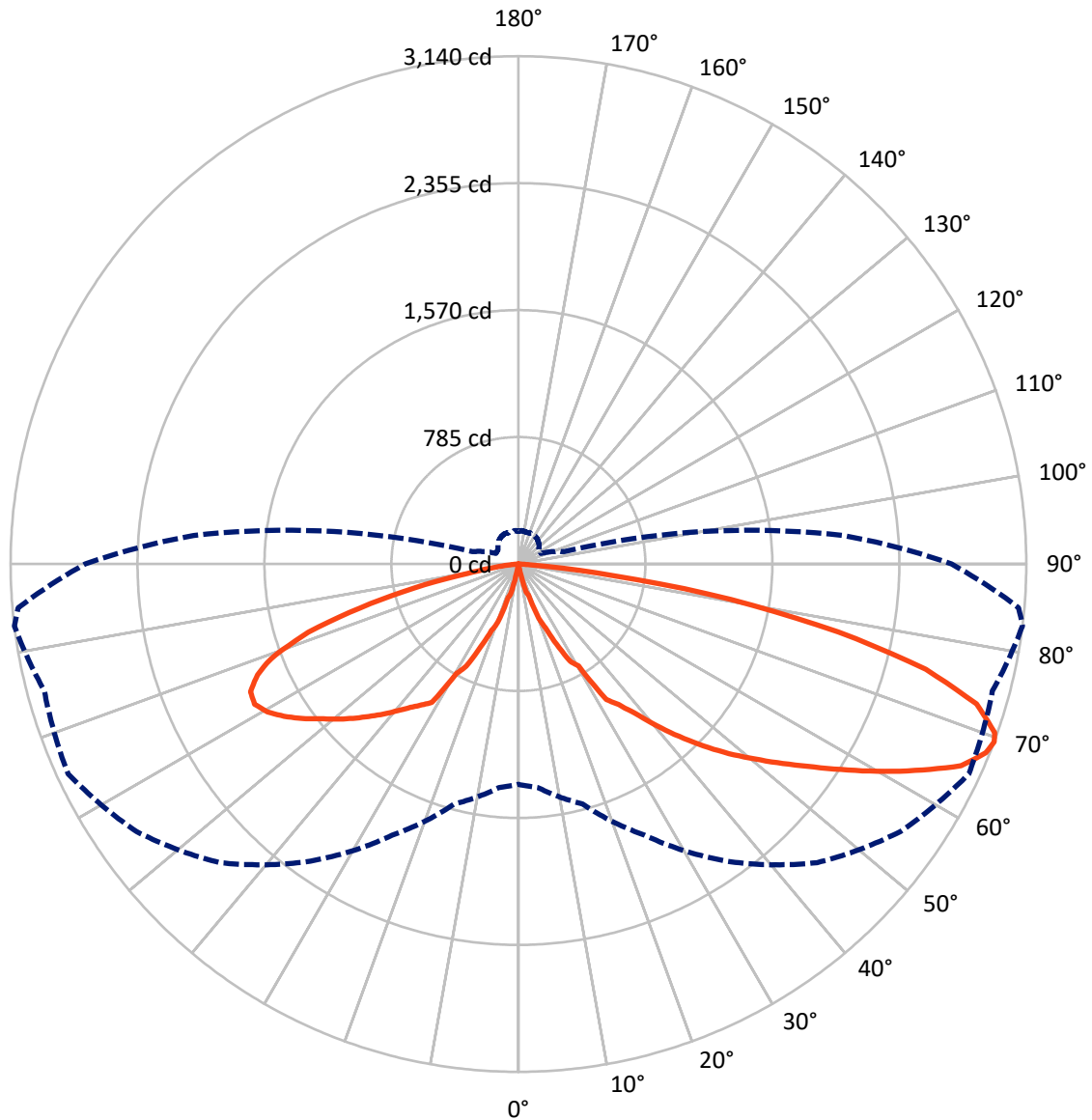


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415425

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P415425

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1163.4 | 0.0 | 1163.4 |
| | % Fixture | 21.2 | 0.0 | 21.2 |
| Street Side | Lumens | 4321.6 | 0.0 | 4321.6 |
| | % Fixture | 78.8 | 0.0 | 78.8 |
| Total | Lumens | 5485.0 | 0.0 | 5485.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.5 | 0.1 |
| 10°-20° | 55.8 | 1.0 |
| 20°-30° | 220.0 | 4.0 |
| 30°-40° | 489.5 | 8.9 |
| 40°-50° | 831.2 | 15.2 |
| 50°-60° | 1238.6 | 22.6 |
| 60°-70° | 1458.7 | 26.6 |
| 70°-80° | 1021.0 | 18.6 |
| 80°-90° | 166.7 | 3.0 |
| 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° | 5485.0 | 100.0 |
| 0°-180° | 5485.0 | 100.0 |



REPORT NUMBER: P415425

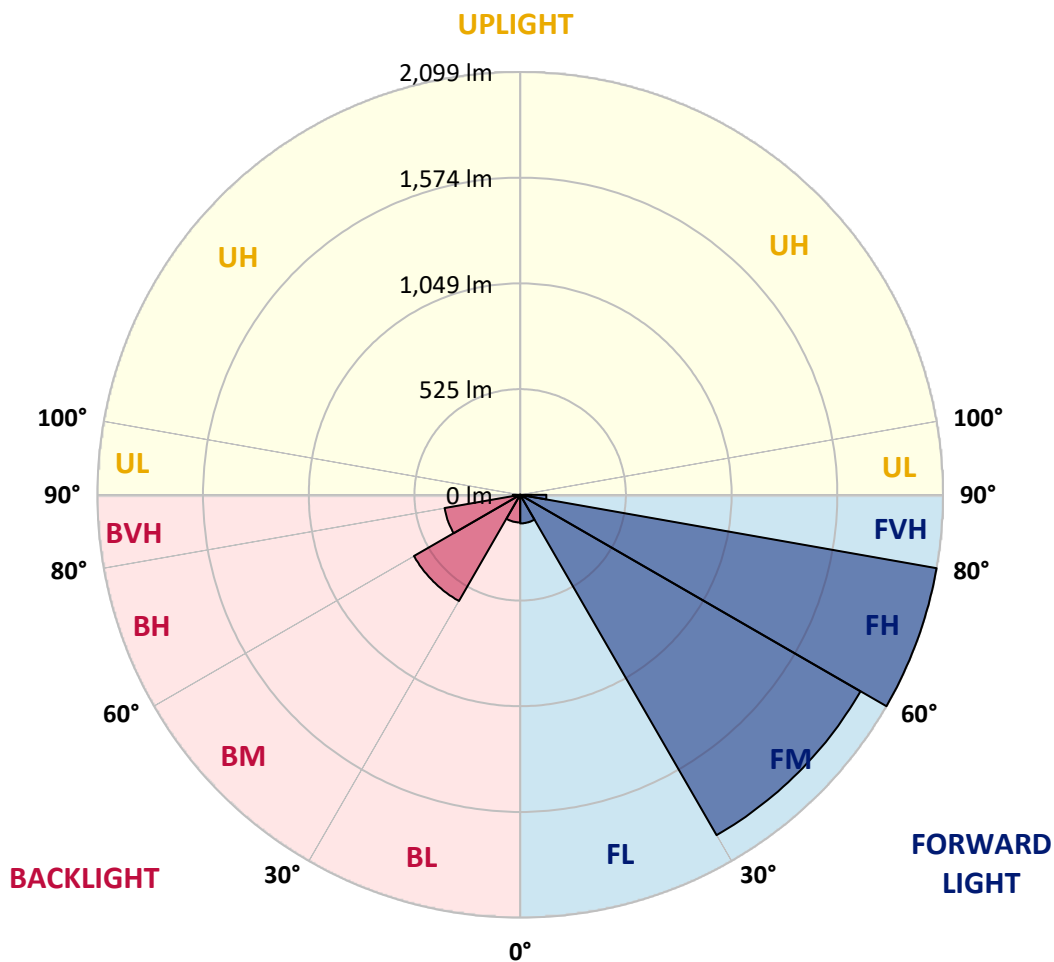
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 142.0 | 2.6 | | | |
| FM | (30°-60°) | 1950.5 | 35.6 | | | |
| FH | (60°-80°) | 2098.7 | 38.3 | | | G2/5000 |
| FVH | (80°-90°) | 130.3 | 2.4 | | | G2/225 |
| BL | (0°-30°) | 137.2 | 2.5 | B1/500 | | |
| BM | (30°-60°) | 608.8 | 11.1 | B1/1000 | | |
| BH | (60°-80°) | 381.0 | 6.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 36.4 | 0.7 | | | 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 IV Medium





REPORT NUMBER: P415425

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 83° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 2.5° | 3.0 | 2.4 | 3.0 | 3.5 | 3.5 | 3.0 | 2.4 | 2.4 | 2.4 | 2.4 | 1.8 |
| 5° | 47.8 | 34.8 | 31.3 | 27.8 | 16.5 | 5.9 | 3.5 | 2.4 | 2.4 | 2.4 | 2.4 |
| 7.5° | 101.0 | 101.0 | 101.0 | 101.6 | 101.0 | 75.0 | 17.7 | 4.1 | 2.4 | 2.4 | 2.4 |
| 10° | 102.2 | 101.6 | 101.0 | 101.6 | 102.7 | 103.3 | 99.8 | 14.2 | 5.9 | 5.3 | 5.3 |
| 12.5° | 184.8 | 183.6 | 177.1 | 124.0 | 105.1 | 105.7 | 108.1 | 77.9 | 28.3 | 75.0 | 87.4 |
| 15° | 196.0 | 194.9 | 194.9 | 195.5 | 185.4 | 115.1 | 162.4 | 212.6 | 151.2 | 180.7 | 183.6 |
| 17.5° | 219.7 | 213.2 | 207.9 | 204.3 | 205.5 | 229.1 | 230.3 | 235.0 | 176.0 | 202.5 | 206.1 |
| 20° | 336.6 | 334.2 | 315.3 | 241.5 | 225.6 | 297.6 | 265.1 | 261.0 | 329.5 | 357.8 | 363.7 |
| 22.5° | 384.4 | 382.0 | 368.5 | 355.5 | 370.8 | 324.2 | 377.3 | 389.1 | 446.4 | 429.3 | 434.6 |
| 25° | 522.0 | 520.2 | 444.6 | 411.6 | 452.3 | 372.6 | 465.9 | 445.8 | 493.1 | 549.7 | 555.7 |
| 27.5° | 638.9 | 634.8 | 619.4 | 555.1 | 504.9 | 558.6 | 515.5 | 595.8 | 669.6 | 679.1 | 696.8 |
| 30° | 758.8 | 731.6 | 684.4 | 686.7 | 621.8 | 615.9 | 614.1 | 715.1 | 717.4 | 732.2 | 762.3 |
| 32.5° | 954.8 | 942.4 | 902.9 | 780.6 | 766.5 | 684.4 | 755.8 | 762.3 | 937.1 | 998.5 | 1004.4 |
| 35° | 1111.9 | 1058.7 | 1021.5 | 952.5 | 845.0 | 871.6 | 842.0 | 959.0 | 1028.0 | 1067.6 | 1091.8 |
| 37.5° | 1362.3 | 1369.3 | 1308.5 | 1057.0 | 989.7 | 959.0 | 1010.3 | 1073.5 | 1159.7 | 1169.2 | 1205.8 |
| 40° | 1542.4 | 1537.6 | 1455.6 | 1270.1 | 1119.6 | 1088.3 | 1122.5 | 1184.5 | 1301.4 | 1313.2 | 1322.1 |
| 42.5° | 1804.5 | 1781.5 | 1667.0 | 1458.5 | 1319.2 | 1253.0 | 1262.5 | 1288.4 | 1405.4 | 1457.9 | 1447.3 |
| 45° | 2047.2 | 2031.9 | 1916.1 | 1659.3 | 1508.1 | 1430.8 | 1416.6 | 1393.6 | 1534.1 | 1604.4 | 1584.9 |
| 47.5° | 2237.4 | 2210.2 | 2144.1 | 1882.5 | 1766.2 | 1634.5 | 1563.6 | 1521.7 | 1661.6 | 1751.4 | 1724.2 |
| 50° | 2441.1 | 2399.7 | 2340.1 | 2103.9 | 1989.4 | 1871.8 | 1716.0 | 1663.4 | 1805.1 | 1894.3 | 1872.4 |
| 52.5° | 2576.3 | 2511.9 | 2474.7 | 2301.1 | 2195.4 | 2092.7 | 1864.2 | 1828.7 | 1962.8 | 2048.4 | 2043.7 |
| 55° | 2508.4 | 2506.0 | 2543.8 | 2434.0 | 2331.2 | 2222.6 | 2018.3 | 2016.5 | 2127.5 | 2215.5 | 2219.6 |
| 57.5° | 2390.3 | 2402.7 | 2510.2 | 2526.7 | 2483.0 | 2355.5 | 2209.0 | 2226.7 | 2321.2 | 2402.7 | 2411.6 |
| 60° | 2239.7 | 2274.0 | 2428.7 | 2516.1 | 2550.9 | 2487.7 | 2392.7 | 2419.8 | 2532.6 | 2602.9 | 2600.5 |
| 62.5° | 2040.7 | 2068.5 | 2261.0 | 2458.8 | 2529.7 | 2589.3 | 2562.1 | 2649.5 | 2738.7 | 2804.8 | 2821.9 |
| 65° | 1805.7 | 1816.9 | 2025.4 | 2292.3 | 2475.3 | 2641.3 | 2703.8 | 2862.7 | 2905.8 | 3007.4 | 3010.9 |
| 67.5° | 1545.3 | 1548.9 | 1730.1 | 2048.4 | 2357.2 | 2637.1 | 2824.3 | 3020.4 | 3009.1 | 3117.2 | 3108.9 |
| 69° | 1362.3 | 1387.6 | 1536.5 | 1850.0 | 2242.7 | 2611.7 | 2883.9 | 3072.3 | 3034.5 | 3140.2 | 3104.2 |
| 70° | 1233.5 | 1231.8 | 1401.8 | 1681.7 | 2141.7 | 2579.3 | 2921.7 | 3085.9 | 3035.1 | 3124.3 | 3070.0 |
| 72.5° | 785.9 | 797.8 | 944.8 | 1193.4 | 1726.0 | 2391.5 | 2968.4 | 3049.9 | 2970.2 | 2961.3 | 2845.0 |
| 75° | 347.2 | 315.3 | 407.4 | 631.8 | 1085.3 | 1860.0 | 2856.2 | 2887.5 | 2785.3 | 2602.9 | 2403.3 |
| 77.5° | 121.6 | 126.4 | 153.5 | 256.9 | 522.6 | 1108.3 | 2367.3 | 2540.3 | 2460.0 | 2021.2 | 1798.6 |
| 80° | 86.8 | 87.4 | 102.7 | 143.5 | 253.3 | 390.9 | 1506.9 | 1837.6 | 1893.1 | 1332.7 | 1145.5 |
| 82.5° | 61.4 | 61.4 | 76.2 | 91.5 | 175.4 | 174.8 | 648.4 | 1010.9 | 1080.0 | 591.1 | 442.3 |
| 85° | 51.4 | 52.6 | 58.5 | 53.1 | 102.7 | 89.2 | 160.0 | 311.8 | 255.7 | 72.0 | 63.2 |
| 87.5° | 7.7 | 7.1 | 20.1 | 17.7 | 15.4 | 13.0 | 17.7 | 20.1 | 13.6 | 10.6 | 7.7 |
| 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: P415425

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 2.5° | 2.4 | 2.4 | 2.4 | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 |
| 5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.0 | 4.1 | 4.7 | 5.3 | 5.3 |
| 7.5° | 2.4 | 2.4 | 2.4 | 3.0 | 3.5 | 5.3 | 28.9 | 100.4 | 109.8 | 114.6 | 117.5 |
| 10° | 4.7 | 5.3 | 5.3 | 5.3 | 13.0 | 111.0 | 132.3 | 137.0 | 141.7 | 144.1 | 143.5 |
| 12.5° | 91.5 | 94.5 | 23.6 | 17.1 | 103.3 | 138.8 | 142.9 | 147.6 | 152.3 | 155.9 | 155.3 |
| 15° | 188.4 | 193.1 | 185.4 | 191.9 | 203.7 | 150.6 | 154.1 | 261.0 | 282.8 | 287.0 | 287.6 |
| 17.5° | 210.2 | 213.8 | 217.3 | 282.8 | 289.9 | 223.2 | 266.9 | 286.4 | 288.7 | 289.9 | 290.5 |
| 20° | 400.4 | 398.6 | 322.4 | 310.0 | 307.1 | 387.4 | 283.4 | 288.7 | 345.4 | 393.3 | 395.6 |
| 22.5° | 441.7 | 447.0 | 425.7 | 455.3 | 403.3 | 392.1 | 357.2 | 382.6 | 403.9 | 403.3 | 401.5 |
| 25° | 572.8 | 579.9 | 488.3 | 473.6 | 483.6 | 389.7 | 445.8 | 382.0 | 388.0 | 388.5 | 392.1 |
| 27.5° | 716.3 | 718.0 | 677.9 | 533.2 | 475.9 | 482.4 | 419.8 | 406.8 | 454.7 | 457.6 | 457.6 |
| 30° | 780.0 | 791.3 | 716.3 | 617.7 | 493.1 | 455.9 | 406.8 | 443.5 | 422.2 | 425.7 | 425.7 |
| 32.5° | 1036.3 | 1027.5 | 935.3 | 611.7 | 510.8 | 419.2 | 425.2 | 411.0 | 455.3 | 467.1 | 468.3 |
| 35° | 1103.6 | 1085.3 | 940.6 | 683.8 | 476.5 | 428.1 | 388.5 | 417.5 | 417.5 | 416.9 | 413.9 |
| 37.5° | 1186.9 | 1155.0 | 929.4 | 633.0 | 479.5 | 390.9 | 375.0 | 375.6 | 409.8 | 417.5 | 412.2 |
| 40° | 1285.5 | 1237.7 | 927.7 | 591.1 | 434.6 | 370.2 | 344.3 | 361.4 | 360.8 | 350.8 | 344.8 |
| 42.5° | 1392.4 | 1329.2 | 923.5 | 541.5 | 390.3 | 347.2 | 324.8 | 319.5 | 322.4 | 304.1 | 302.3 |
| 45° | 1517.6 | 1423.7 | 911.7 | 497.8 | 354.9 | 322.4 | 297.0 | 288.7 | 289.9 | 275.8 | 272.2 |
| 47.5° | 1650.4 | 1521.1 | 908.8 | 463.5 | 325.4 | 297.6 | 276.9 | 266.3 | 270.4 | 254.5 | 251.0 |
| 50° | 1798.6 | 1621.5 | 898.7 | 431.6 | 292.9 | 274.6 | 259.2 | 246.8 | 247.4 | 235.0 | 232.1 |
| 52.5° | 1959.8 | 1718.9 | 887.5 | 388.0 | 263.4 | 255.1 | 246.2 | 236.8 | 247.4 | 230.9 | 227.3 |
| 55° | 2125.2 | 1837.6 | 872.7 | 337.2 | 236.8 | 240.3 | 231.5 | 238.6 | 253.9 | 227.9 | 223.2 |
| 57.5° | 2308.8 | 1949.2 | 845.0 | 281.7 | 215.5 | 223.8 | 229.7 | 239.1 | 251.5 | 227.3 | 218.5 |
| 60° | 2483.0 | 2056.7 | 778.9 | 238.0 | 197.2 | 210.2 | 226.2 | 235.6 | 234.4 | 223.2 | 217.3 |
| 62.5° | 2660.2 | 2145.2 | 656.6 | 204.3 | 181.9 | 203.7 | 220.8 | 225.0 | 219.7 | 215.5 | 212.0 |
| 65° | 2757.6 | 2167.1 | 509.0 | 181.9 | 169.5 | 194.9 | 214.3 | 217.9 | 210.2 | 210.2 | 207.3 |
| 67.5° | 2741.6 | 2096.8 | 375.6 | 163.6 | 158.8 | 186.0 | 203.1 | 211.4 | 206.1 | 210.2 | 205.5 |
| 69° | 2677.9 | 2016.5 | 295.2 | 154.1 | 153.5 | 178.9 | 196.6 | 206.1 | 201.9 | 207.9 | 201.9 |
| 70° | 2602.9 | 1935.6 | 261.0 | 148.8 | 148.2 | 173.6 | 192.5 | 201.9 | 197.2 | 201.9 | 196.6 |
| 72.5° | 2315.3 | 1661.0 | 187.2 | 134.0 | 135.8 | 163.0 | 182.5 | 189.5 | 185.4 | 186.6 | 179.5 |
| 75° | 1851.2 | 1234.7 | 148.2 | 121.6 | 123.4 | 150.6 | 171.2 | 175.4 | 172.4 | 167.1 | 163.0 |
| 77.5° | 1301.4 | 796.0 | 121.6 | 110.4 | 111.0 | 135.8 | 159.4 | 158.8 | 154.1 | 148.8 | 143.5 |
| 80° | 709.8 | 374.4 | 103.3 | 96.8 | 98.6 | 121.1 | 142.3 | 140.5 | 134.6 | 129.3 | 122.8 |
| 82.5° | 307.1 | 151.2 | 80.3 | 77.4 | 82.7 | 101.6 | 122.2 | 117.5 | 112.2 | 114.6 | 89.2 |
| 85° | 54.9 | 52.0 | 46.6 | 49.6 | 56.1 | 72.0 | 86.2 | 82.1 | 79.1 | 67.3 | 62.0 |
| 87.5° | 4.7 | 7.1 | 7.1 | 8.9 | 12.4 | 13.6 | 24.2 | 17.7 | 18.3 | 7.1 | 3.5 |
| 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)