

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: P695220

Luminaire Tested: **LXF.LXT-PA16-40-827-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3418 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

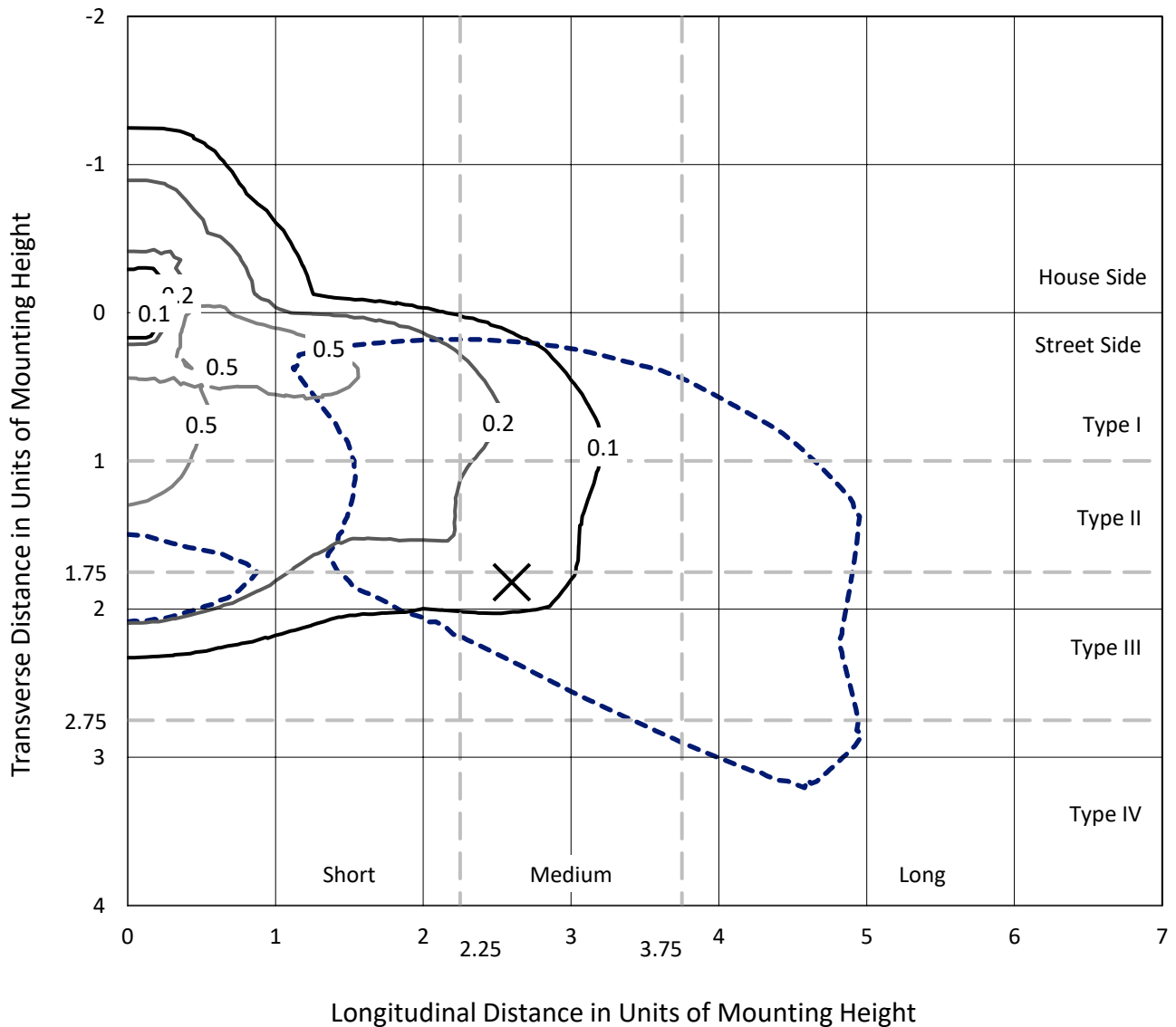
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

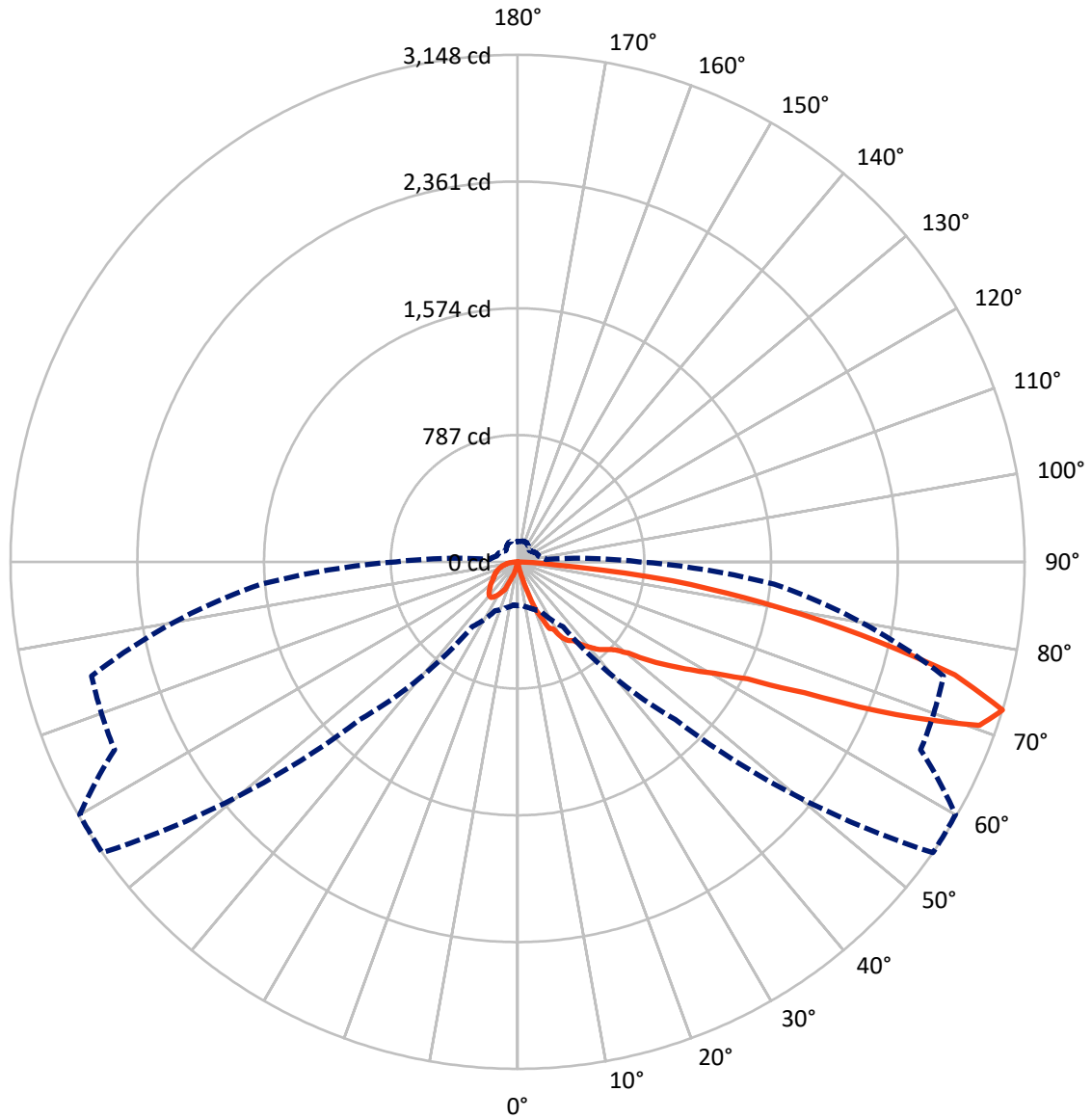
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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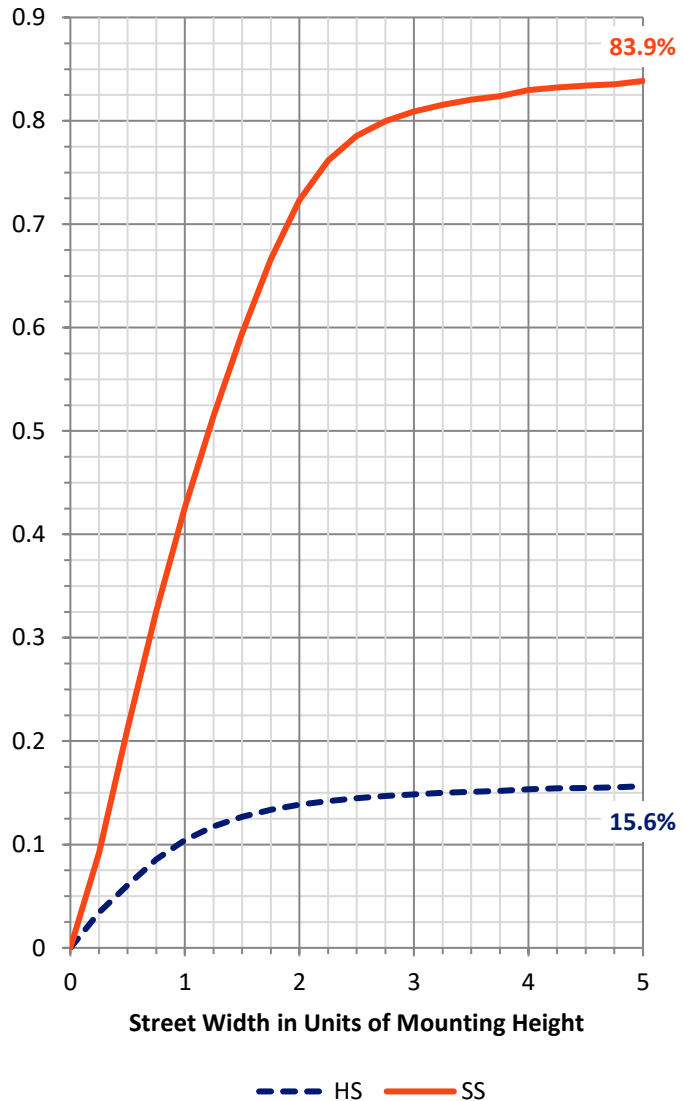
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 543.0    | 0.0    | 543.0  |
|                    | % Fixture | 15.9     | 0.0    | 15.9   |
| <b>Street Side</b> | Lumens    | 2875.0   | 0.0    | 2875.0 |
|                    | % Fixture | 84.1     | 0.0    | 84.1   |
| <b>Total</b>       | Lumens    | 3418.0   | 0.0    | 3418.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.2    | 0.0       |
| 10°-20°   | 33.0   | 1.0       |
| 20°-30°   | 154.7  | 4.5       |
| 30°-40°   | 329.5  | 9.6       |
| 40°-50°   | 479.8  | 14.0      |
| 50°-60°   | 699.0  | 20.5      |
| 60°-70°   | 927.7  | 27.1      |
| 70°-80°   | 683.0  | 20.0      |
| 80°-90°   | 111.1  | 3.3       |
| 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°    | 3418.0 | 100.0     |
| 0°-180°   | 3418.0 | 100.0     |

**Coefficient of Utilization**

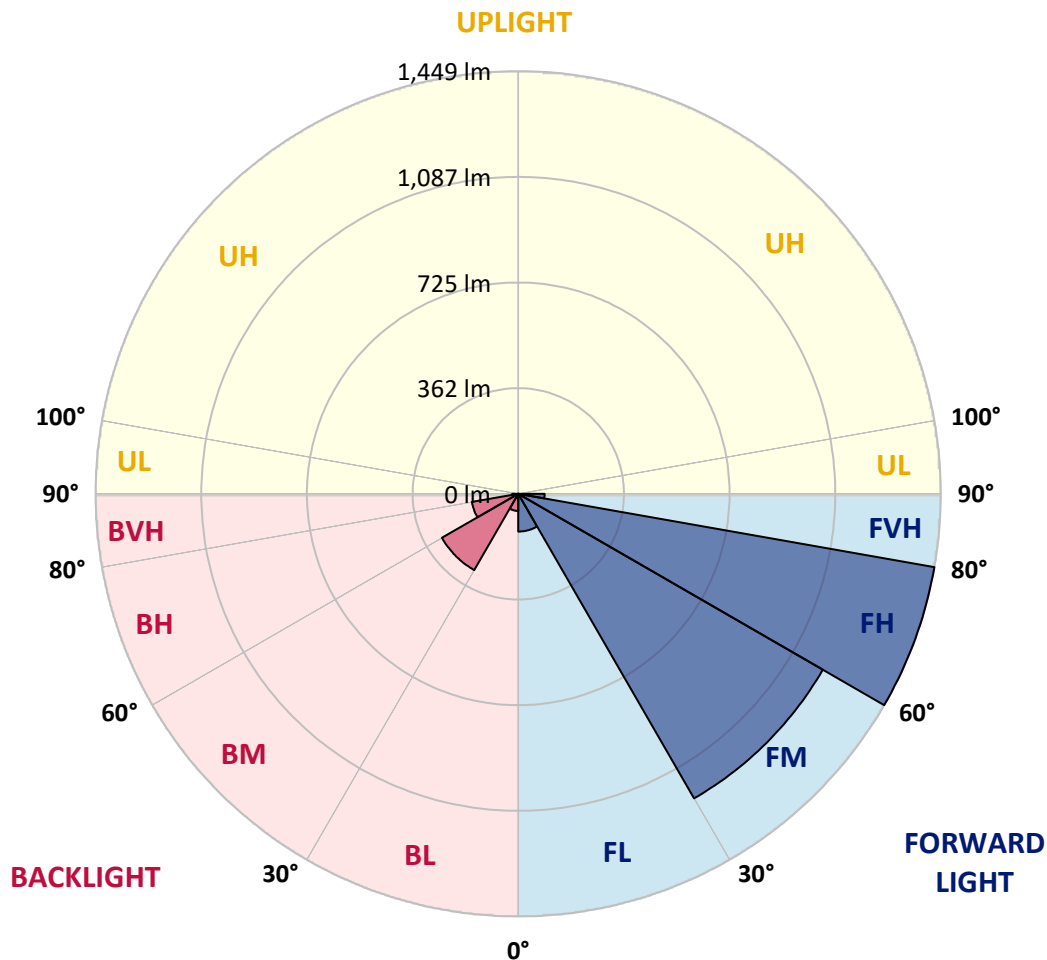


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 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 129.4  | 3.8       |                         |      |         |
| FM (30°-60°)   | 1206.1 | 35.3      |                         |      |         |
| FH (60°-80°)   | 1449.4 | 42.4      |                         |      | G1/1800 |
| FVH (80°-90°)  | 90.2   | 2.6       |                         |      | G1/100  |
| BL (0°-30°)    | 58.5   | 1.7       | B0/110                  |      |         |
| BM (30°-60°)   | 302.2  | 8.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 161.4  | 4.7       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 20.9   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 2.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 5°    | 0.0    | 0.0    | 0.0    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 7.5°  | 0.0    | 0.0    | 0.0    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 10°   | 24.6   | 25.9   | 20.9   | 9.9    | 3.7    | 1.2    | 1.2    | 1.2    | 2.5    | 2.5    | 3.7    |
| 12.5° | 195.9  | 198.4  | 194.7  | 78.8   | 37.0   | 7.4    | 4.9    | 8.6    | 13.6   | 20.9   | 82.5   |
| 15°   | 194.7  | 194.7  | 198.4  | 204.5  | 204.5  | 43.1   | 86.2   | 112.1  | 156.5  | 203.3  | 200.8  |
| 17.5° | 205.7  | 204.5  | 199.6  | 197.1  | 210.7  | 240.2  | 182.3  | 219.3  | 223.0  | 230.4  | 225.5  |
| 20°   | 299.4  | 299.4  | 299.4  | 284.6  | 213.1  | 295.7  | 308.0  | 248.9  | 251.3  | 351.1  | 341.3  |
| 22.5° | 327.7  | 326.5  | 316.6  | 309.2  | 321.5  | 293.2  | 372.1  | 427.5  | 421.3  | 478.0  | 448.4  |
| 25°   | 466.9  | 453.4  | 430.0  | 341.3  | 356.0  | 343.7  | 459.5  | 527.3  | 476.8  | 519.9  | 563.0  |
| 27.5° | 544.5  | 534.7  | 513.7  | 464.5  | 379.5  | 416.4  | 470.6  | 554.4  | 648.0  | 742.9  | 667.7  |
| 30°   | 729.3  | 719.5  | 616.0  | 539.6  | 470.6  | 428.7  | 548.2  | 657.9  | 762.6  | 778.6  | 696.1  |
| 32.5° | 756.4  | 757.7  | 762.6  | 689.9  | 553.2  | 474.3  | 584.0  | 680.1  | 815.6  | 978.2  | 864.9  |
| 35°   | 773.7  | 772.5  | 772.5  | 715.8  | 659.1  | 560.6  | 601.2  | 765.1  | 937.5  | 1037.3 | 856.2  |
| 37.5° | 825.4  | 821.7  | 815.6  | 729.3  | 697.3  | 622.2  | 655.4  | 787.2  | 1005.3 | 1129.7 | 847.6  |
| 40°   | 888.3  | 892.0  | 875.9  | 766.3  | 723.2  | 669.0  | 698.5  | 797.1  | 1085.4 | 1204.9 | 843.9  |
| 42.5° | 977.0  | 972.0  | 944.9  | 827.9  | 761.4  | 689.9  | 745.4  | 823.0  | 1144.5 | 1305.9 | 851.3  |
| 45°   | 1076.8 | 1064.4 | 1026.2 | 912.9  | 818.0  | 702.2  | 776.2  | 869.8  | 1197.5 | 1420.5 | 877.2  |
| 47.5° | 1180.2 | 1164.2 | 1110.0 | 981.9  | 877.2  | 725.6  | 815.6  | 930.2  | 1257.9 | 1565.9 | 925.2  |
| 50°   | 1278.8 | 1267.7 | 1198.7 | 1054.6 | 938.8  | 768.8  | 890.7  | 1021.3 | 1340.4 | 1711.2 | 1006.5 |
| 52.5° | 1377.4 | 1358.9 | 1273.9 | 1128.5 | 997.9  | 823.0  | 1013.9 | 1155.6 | 1451.3 | 1857.8 | 1095.2 |
| 55°   | 1483.3 | 1458.7 | 1349.0 | 1201.2 | 1047.2 | 895.7  | 1133.4 | 1294.8 | 1583.1 | 2034.0 | 1204.9 |
| 57.5° | 1659.5 | 1642.2 | 1485.8 | 1309.6 | 1117.4 | 984.4  | 1262.8 | 1434.0 | 1724.8 | 2195.4 | 1314.5 |
| 60°   | 1859.1 | 1828.3 | 1674.3 | 1498.1 | 1264.0 | 1122.3 | 1405.7 | 1589.3 | 1860.3 | 2350.6 | 1436.5 |
| 62.5° | 1851.7 | 1820.9 | 1712.5 | 1611.4 | 1452.5 | 1352.7 | 1601.6 | 1749.4 | 1976.1 | 2497.2 | 1544.9 |
| 65°   | 1471.0 | 1475.9 | 1472.2 | 1489.5 | 1505.5 | 1676.7 | 1957.6 | 1984.7 | 2158.4 | 2634.0 | 1648.4 |
| 67.5° | 800.8  | 793.4  | 884.6  | 1063.2 | 1310.8 | 1882.5 | 2534.2 | 2364.2 | 2383.9 | 2762.1 | 1719.9 |
| 70°   | 381.9  | 381.9  | 434.9  | 591.4  | 940.0  | 1755.6 | 3041.8 | 2844.7 | 2626.6 | 2817.6 | 1711.2 |
| 72.5° | 272.3  | 268.6  | 296.9  | 336.3  | 491.6  | 1384.8 | 3147.7 | 3139.1 | 2760.9 | 2737.5 | 1597.9 |
| 75°   | 220.5  | 223.0  | 234.1  | 255.0  | 232.8  | 814.3  | 2802.8 | 2960.5 | 2635.2 | 2484.9 | 1413.1 |
| 77.5° | 178.6  | 178.6  | 192.2  | 202.0  | 149.1  | 395.5  | 2175.7 | 2380.2 | 2089.5 | 2026.6 | 1038.6 |
| 80°   | 133.1  | 133.1  | 140.4  | 161.4  | 109.6  | 167.6  | 1540.0 | 1602.8 | 1378.6 | 1250.5 | 510.0  |
| 82.5° | 81.3   | 76.4   | 86.2   | 113.3  | 78.8   | 96.1   | 967.1  | 872.2  | 692.4  | 388.1  | 151.5  |
| 85°   | 14.8   | 17.2   | 24.6   | 39.4   | 29.6   | 35.7   | 224.2  | 163.9  | 138.0  | 66.5   | 34.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.2    | 2.5    | 3.7    | 4.9    | 6.2    | 6.2    | 4.9    | 3.7    |
| 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: P695220  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-SL3

**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |
| 2.5°  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   | 1.2   | 1.2   | 1.2   | 1.2   |
| 5°    | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 1.2   | 1.2   | 1.2   | 1.2   |
| 7.5°  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 1.2   | 1.2   | 1.2   |
| 10°   | 3.7   | 3.7   | 2.5   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 1.2   | 1.2   | 1.2   |
| 12.5° | 86.2  | 88.7  | 22.2  | 12.3  | 3.7   | 1.2   | 0.0   | 1.2   | 2.5   | 4.9   | 6.2   |
| 15°   | 194.7 | 183.6 | 141.7 | 72.7  | 41.9  | 4.9   | 2.5   | 20.9  | 56.7  | 61.6  | 65.3  |
| 17.5° | 214.4 | 199.6 | 147.8 | 103.5 | 81.3  | 39.4  | 49.3  | 78.8  | 88.7  | 93.6  | 93.6  |
| 20°   | 317.9 | 279.7 | 181.1 | 120.7 | 96.1  | 104.7 | 86.2  | 93.6  | 103.5 | 112.1 | 117.0 |
| 22.5° | 407.8 | 341.3 | 209.4 | 172.5 | 130.6 | 134.3 | 118.3 | 135.5 | 166.3 | 178.6 | 179.9 |
| 25°   | 491.6 | 380.7 | 220.5 | 192.2 | 187.3 | 152.8 | 167.6 | 168.8 | 183.6 | 191.0 | 192.2 |
| 27.5° | 555.6 | 400.4 | 263.6 | 221.8 | 207.0 | 187.3 | 191.0 | 188.5 | 234.1 | 248.9 | 251.3 |
| 30°   | 563.0 | 384.4 | 276.0 | 251.3 | 227.9 | 216.8 | 205.7 | 243.9 | 262.4 | 268.6 | 268.6 |
| 32.5° | 624.6 | 396.7 | 303.1 | 271.0 | 250.1 | 226.7 | 246.4 | 258.7 | 279.7 | 317.9 | 319.1 |
| 35°   | 559.3 | 353.6 | 314.2 | 294.4 | 266.1 | 246.4 | 257.5 | 290.7 | 331.4 | 340.0 | 338.8 |
| 37.5° | 492.8 | 321.5 | 299.4 | 293.2 | 276.0 | 258.7 | 271.0 | 303.1 | 325.2 | 317.9 | 317.9 |
| 40°   | 438.6 | 299.4 | 288.3 | 283.4 | 274.7 | 252.6 | 277.2 | 289.5 | 314.2 | 306.8 | 305.5 |
| 42.5° | 400.4 | 283.4 | 277.2 | 271.0 | 264.9 | 243.9 | 260.0 | 287.1 | 309.2 | 300.6 | 298.1 |
| 45°   | 388.1 | 273.5 | 269.8 | 261.2 | 250.1 | 231.6 | 248.9 | 283.4 | 304.3 | 295.7 | 293.2 |
| 47.5° | 402.9 | 264.9 | 260.0 | 248.9 | 234.1 | 215.6 | 242.7 | 277.2 | 293.2 | 278.4 | 277.2 |
| 50°   | 446.0 | 261.2 | 250.1 | 235.3 | 220.5 | 210.7 | 234.1 | 262.4 | 276.0 | 262.4 | 262.4 |
| 52.5° | 506.3 | 262.4 | 240.2 | 223.0 | 205.7 | 199.6 | 224.2 | 252.6 | 263.6 | 250.1 | 248.9 |
| 55°   | 571.6 | 266.1 | 227.9 | 210.7 | 187.3 | 191.0 | 219.3 | 247.6 | 251.3 | 236.5 | 235.3 |
| 57.5° | 645.6 | 269.8 | 215.6 | 202.0 | 177.4 | 181.1 | 209.4 | 237.8 | 236.5 | 216.8 | 216.8 |
| 60°   | 720.7 | 273.5 | 203.3 | 191.0 | 167.6 | 168.8 | 197.1 | 225.5 | 218.1 | 198.4 | 197.1 |
| 62.5° | 783.5 | 269.8 | 188.5 | 178.6 | 157.7 | 154.0 | 182.3 | 210.7 | 204.5 | 183.6 | 183.6 |
| 65°   | 837.8 | 255.0 | 176.2 | 166.3 | 147.8 | 141.7 | 167.6 | 192.2 | 187.3 | 167.6 | 168.8 |
| 67.5° | 859.9 | 231.6 | 163.9 | 154.0 | 136.8 | 128.1 | 150.3 | 170.0 | 168.8 | 152.8 | 154.0 |
| 70°   | 826.7 | 199.6 | 150.3 | 141.7 | 124.4 | 113.3 | 133.1 | 150.3 | 150.3 | 139.2 | 139.2 |
| 72.5° | 755.2 | 176.2 | 135.5 | 128.1 | 109.6 | 101.0 | 117.0 | 130.6 | 133.1 | 125.7 | 126.9 |
| 75°   | 675.1 | 154.0 | 118.3 | 114.6 | 97.3  | 86.2  | 99.8  | 113.3 | 115.8 | 112.1 | 112.1 |
| 77.5° | 508.8 | 119.5 | 99.8  | 99.8  | 85.0  | 73.9  | 85.0  | 97.3  | 99.8  | 98.6  | 97.3  |
| 80°   | 257.5 | 85.0  | 80.1  | 85.0  | 70.2  | 61.6  | 70.2  | 81.3  | 85.0  | 92.4  | 92.4  |
| 82.5° | 87.5  | 55.4  | 60.4  | 69.0  | 56.7  | 49.3  | 54.2  | 66.5  | 87.5  | 75.2  | 73.9  |
| 85°   | 24.6  | 24.6  | 32.0  | 37.0  | 38.2  | 33.3  | 38.2  | 62.8  | 50.5  | 43.1  | 41.9  |
| 87.5° | 2.5   | 3.7   | 4.9   | 7.4   | 6.2   | 7.4   | 9.9   | 12.3  | 8.6   | 6.2   | 4.9   |
| 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)