

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: P415942

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415942  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-740-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5740 lumens  
Efficiency: N/A  
Efficacy: 89.7 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): 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

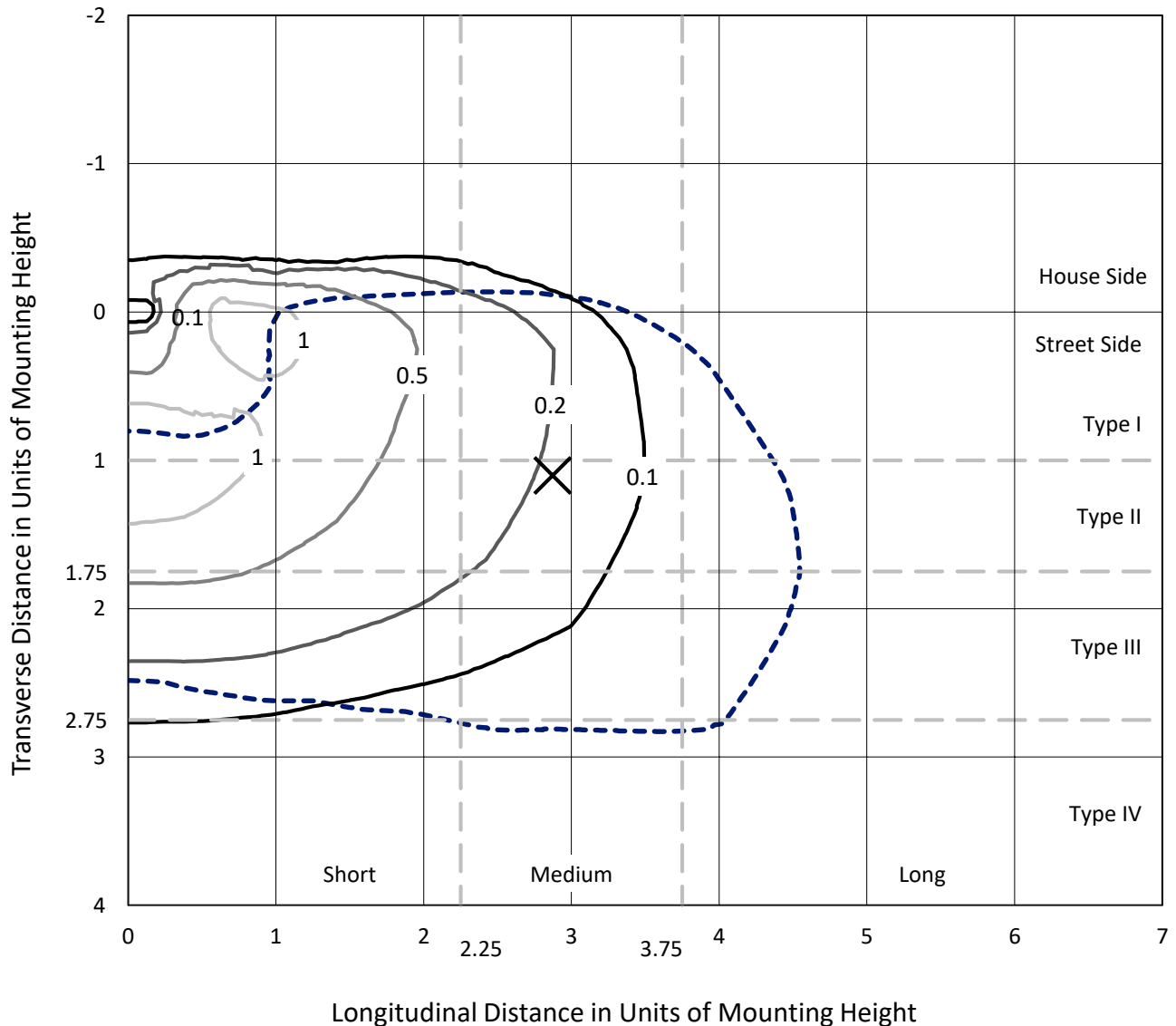


REPORT NUMBER: P415942

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

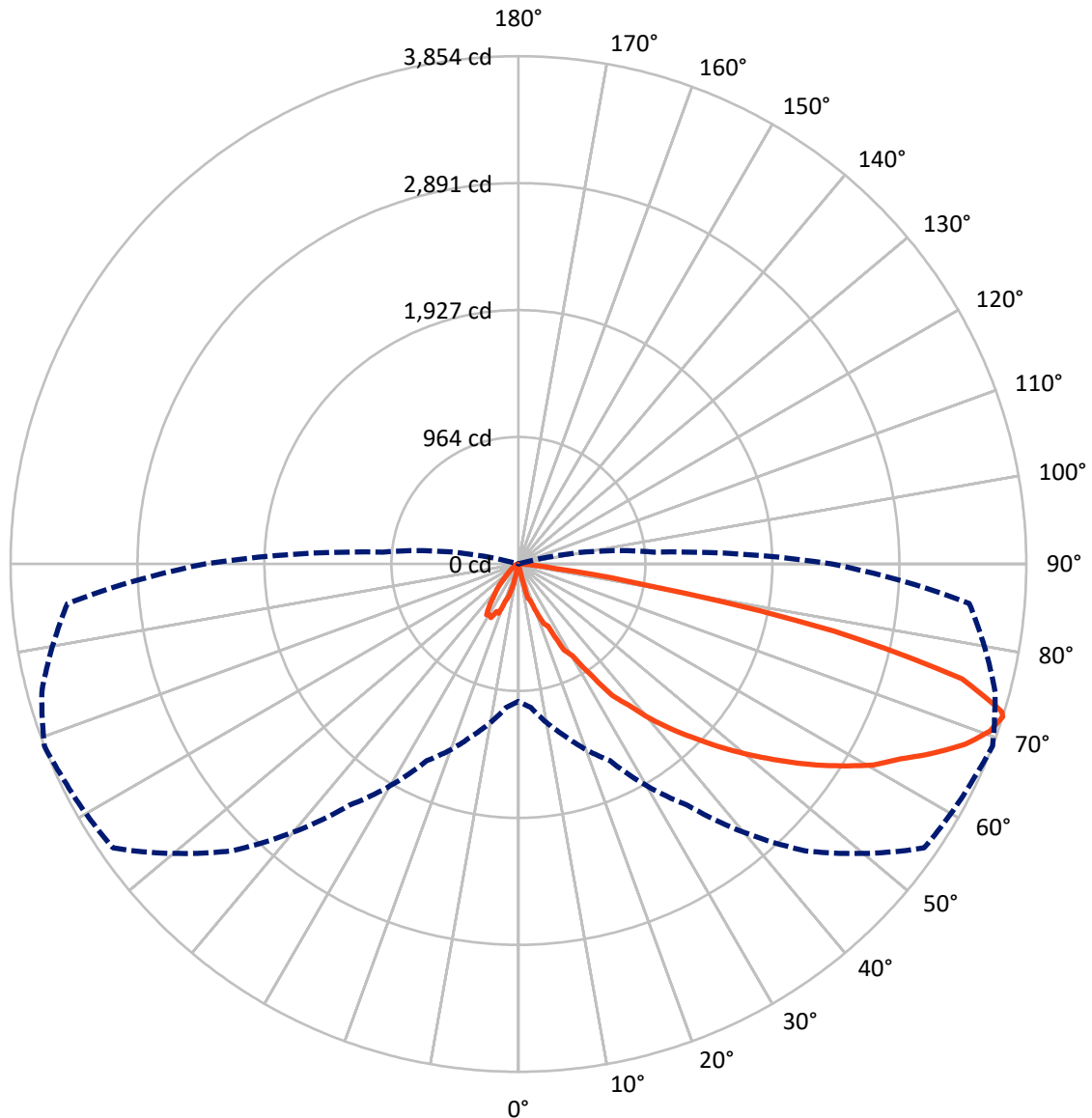


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415942

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



REPORT NUMBER: P415942

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

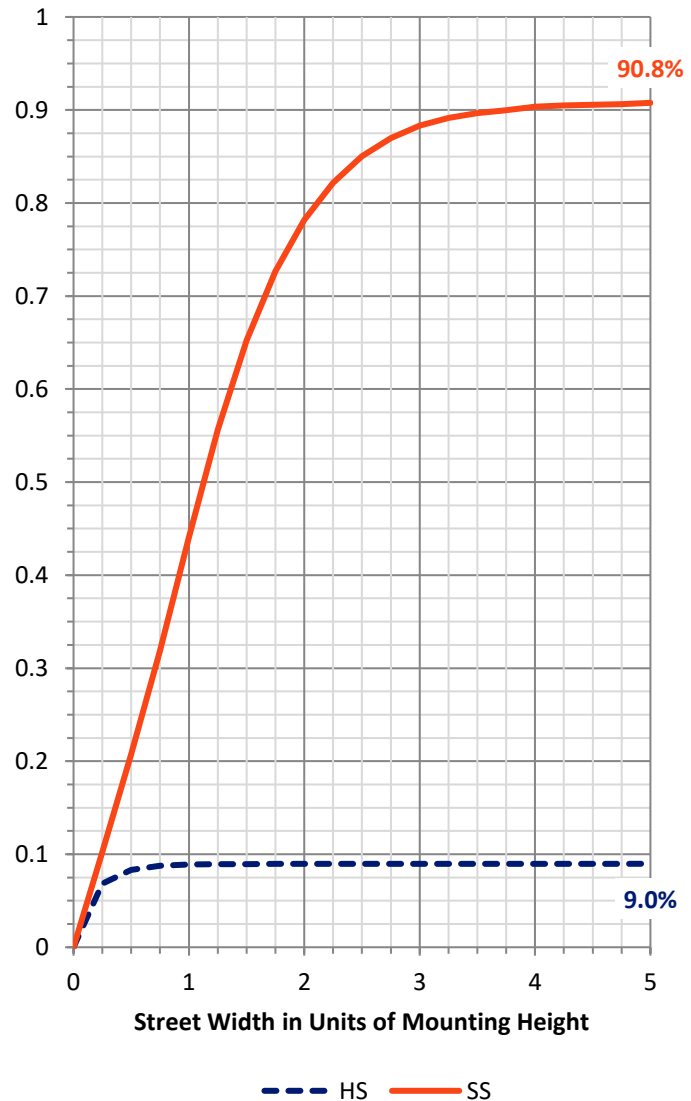
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 520.5    | 0.0    | 520.5  |
|                    | % Fixture | 9.1      | 0.0    | 9.1    |
| <b>Street Side</b> | Lumens    | 5219.5   | 0.0    | 5219.5 |
|                    | % Fixture | 90.9     | 0.0    | 90.9   |
| <b>Total</b>       | Lumens    | 5740.0   | 0.0    | 5740.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.7    | 0.1       |
| 10°-20°   | 49.9   | 0.9       |
| 20°-30°   | 178.8  | 3.1       |
| 30°-40°   | 456.6  | 8.0       |
| 40°-50°   | 903.5  | 15.7      |
| 50°-60°   | 1423.8 | 24.8      |
| 60°-70°   | 1656.1 | 28.9      |
| 70°-80°   | 1005.3 | 17.5      |
| 80°-90°   | 62.2   | 1.1       |
| 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°    | 5740.0 | 100.0     |
| 0°-180°   | 5740.0 | 100.0     |



REPORT NUMBER: P415942

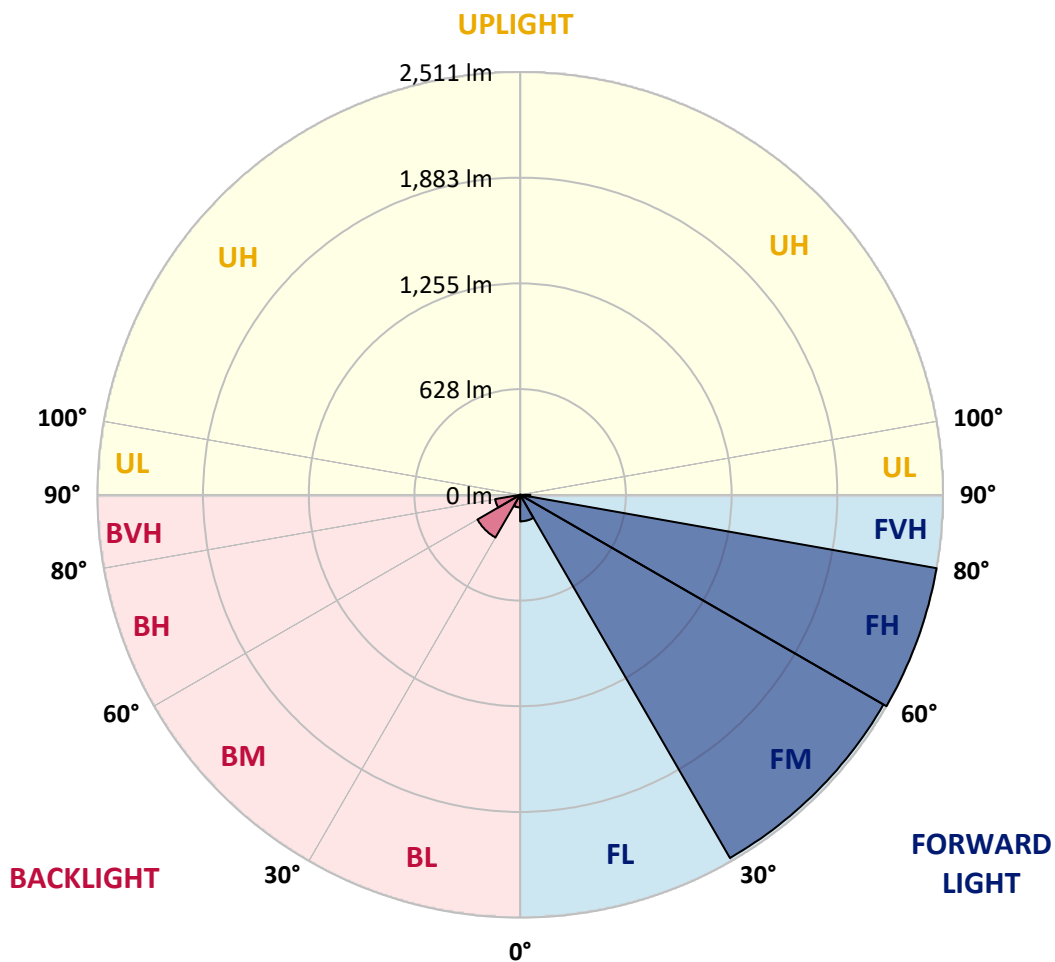
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 157.6  | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 2491.0 | 43.4      |                         |      |         |
| FH   | (60°-80°)   | 2510.8 | 43.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 60.0   | 1.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 74.8   | 1.3       | B0/110                  |      |         |
| BM   | (30°-60°)   | 293.0  | 5.1       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 150.6  | 2.6       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.2    | 0.0       |                         |      | G0/10   |
| 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: P415942

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 69°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    |
| 2.5°  | 0.8    | 0.8    | 0.8    | 0.8    | 1.6    | 1.6    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 5°    | 79.9   | 52.2   | 39.2   | 32.6   | 16.3   | 4.1    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 7.5°  | 123.2  | 123.2  | 124.0  | 124.8  | 127.2  | 106.9  | 22.8   | 2.4    | 2.4    | 2.4    | 2.4    |
| 10°   | 119.1  | 118.3  | 118.3  | 119.9  | 123.2  | 126.4  | 129.7  | 17.1   | 4.1    | 2.4    | 2.4    |
| 12.5° | 232.5  | 230.0  | 213.7  | 149.3  | 122.4  | 124.0  | 130.5  | 99.5   | 27.7   | 16.3   | 93.8   |
| 15°   | 230.0  | 229.2  | 230.8  | 234.9  | 236.5  | 132.1  | 193.3  | 262.6  | 268.4  | 181.1  | 219.4  |
| 17.5° | 251.2  | 243.9  | 232.5  | 234.1  | 241.4  | 283.9  | 273.3  | 284.7  | 290.4  | 203.1  | 237.4  |
| 20°   | 347.5  | 346.7  | 348.3  | 273.3  | 255.3  | 359.7  | 316.5  | 309.1  | 384.2  | 402.1  | 446.2  |
| 22.5° | 354.8  | 353.2  | 355.6  | 363.8  | 408.7  | 376.0  | 458.4  | 469.0  | 491.0  | 543.2  | 509.8  |
| 25°   | 496.7  | 496.7  | 407.8  | 380.1  | 465.8  | 425.0  | 567.7  | 533.5  | 522.0  | 583.2  | 655.8  |
| 27.5° | 599.5  | 593.0  | 571.8  | 531.0  | 484.5  | 601.2  | 604.4  | 729.2  | 739.8  | 814.0  | 827.9  |
| 30°   | 759.4  | 750.4  | 694.1  | 662.3  | 601.2  | 632.1  | 705.6  | 867.1  | 808.3  | 867.9  | 928.2  |
| 32.5° | 1124.0 | 1110.9 | 1040.0 | 834.4  | 757.8  | 685.2  | 845.9  | 930.7  | 988.6  | 1150.1 | 1216.2 |
| 35°   | 1456.0 | 1371.1 | 1274.1 | 1117.5 | 918.4  | 890.7  | 912.7  | 1154.2 | 1222.7 | 1272.5 | 1339.3 |
| 37.5° | 1790.4 | 1792.0 | 1695.0 | 1314.9 | 1160.7 | 1028.6 | 1100.3 | 1289.6 | 1358.9 | 1432.3 | 1492.7 |
| 40°   | 2058.8 | 2018.0 | 1888.3 | 1609.3 | 1369.5 | 1237.4 | 1246.4 | 1421.7 | 1544.9 | 1637.1 | 1649.3 |
| 42.5° | 2401.3 | 2384.2 | 2193.3 | 1878.5 | 1639.5 | 1510.6 | 1471.5 | 1557.9 | 1721.1 | 1782.2 | 1819.8 |
| 45°   | 2729.2 | 2704.0 | 2541.6 | 2185.2 | 1928.3 | 1783.9 | 1730.0 | 1730.9 | 1891.5 | 1956.8 | 2010.6 |
| 47.5° | 2974.8 | 2934.0 | 2846.7 | 2467.4 | 2291.2 | 2082.4 | 1970.7 | 1928.3 | 2084.9 | 2169.7 | 2199.9 |
| 50°   | 3231.7 | 3164.8 | 3095.5 | 2786.3 | 2604.4 | 2423.4 | 2209.7 | 2162.4 | 2275.7 | 2370.3 | 2394.8 |
| 52.5° | 3403.8 | 3306.7 | 3258.6 | 3013.9 | 2885.0 | 2770.0 | 2448.7 | 2395.6 | 2476.4 | 2588.1 | 2568.6 |
| 55°   | 3316.5 | 3286.4 | 3338.6 | 3210.5 | 3085.7 | 2958.5 | 2708.9 | 2665.6 | 2686.8 | 2780.6 | 2734.1 |
| 57.5° | 3134.6 | 3143.6 | 3297.8 | 3322.2 | 3266.0 | 3146.1 | 2942.1 | 2934.8 | 2891.6 | 2968.2 | 2907.9 |
| 60°   | 2944.6 | 2978.0 | 3192.5 | 3314.9 | 3355.7 | 3315.7 | 3188.5 | 3134.6 | 3096.3 | 3150.1 | 3102.8 |
| 62.5° | 2690.1 | 2696.6 | 2984.6 | 3249.6 | 3321.4 | 3447.9 | 3360.6 | 3334.5 | 3255.4 | 3335.3 | 3315.7 |
| 65°   | 2370.3 | 2378.5 | 2649.3 | 3025.3 | 3218.7 | 3473.1 | 3495.2 | 3522.9 | 3461.7 | 3483.7 | 3545.7 |
| 67.5° | 2013.1 | 2028.6 | 2265.1 | 2628.1 | 2997.6 | 3423.4 | 3606.9 | 3659.9 | 3655.0 | 3648.5 | 3709.7 |
| 70°   | 1629.7 | 1640.3 | 1832.8 | 2150.9 | 2640.3 | 3286.4 | 3710.5 | 3778.2 | 3797.0 | 3751.3 | 3708.1 |
| 72°   | 1042.4 | 1093.8 | 1348.3 | 1648.5 | 2234.9 | 3078.4 | 3757.0 | 3821.4 | 3854.1 | 3744.8 | 3434.8 |
| 72.5° | 818.9  | 859.7  | 1245.5 | 1510.6 | 2096.3 | 3030.2 | 3748.0 | 3806.8 | 3836.9 | 3708.9 | 3319.0 |
| 75°   | 176.2  | 181.1  | 389.9  | 734.1  | 1322.2 | 2321.4 | 3437.3 | 3444.6 | 3477.2 | 3231.7 | 2272.5 |
| 77.5° | 75.9   | 76.7   | 108.5  | 242.3  | 474.7  | 1186.8 | 2379.3 | 2447.0 | 2444.6 | 2091.4 | 1098.7 |
| 80°   | 53.0   | 54.7   | 64.4   | 110.9  | 225.9  | 343.4  | 1162.3 | 1169.7 | 1006.5 | 748.0  | 274.1  |
| 82.5° | 27.7   | 29.4   | 45.7   | 66.1   | 153.3  | 125.6  | 376.0  | 379.3  | 279.8  | 176.2  | 63.6   |
| 85°   | 4.9    | 7.3    | 22.0   | 40.0   | 59.5   | 50.6   | 82.4   | 103.6  | 89.7   | 70.1   | 26.9   |
| 87.5° | 0.8    | 0.8    | 5.7    | 5.7    | 8.2    | 4.9    | 8.2    | 9.0    | 9.8    | 14.7   | 7.3    |
| 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: P415942

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 1.6    | 1.6    | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 2.5°  | 2.4    | 2.4    | 2.4   | 2.4   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°    | 2.4    | 2.4    | 2.4   | 2.4   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°  | 2.4    | 2.4    | 2.4   | 2.4   | 1.6   | 0.8   | 0.0   | 75.0  | 101.1 | 107.7 | 115.0 |
| 10°   | 2.4    | 3.3    | 2.4   | 2.4   | 1.6   | 102.8 | 126.4 | 128.1 | 129.7 | 129.7 | 128.9 |
| 12.5° | 103.6  | 106.0  | 37.5  | 7.3   | 95.4  | 130.5 | 124.0 | 113.4 | 103.6 | 100.3 | 99.5  |
| 15°   | 221.9  | 222.7  | 201.5 | 173.7 | 185.2 | 123.2 | 97.1  | 110.1 | 111.7 | 107.7 | 107.7 |
| 17.5° | 239.0  | 239.0  | 228.4 | 279.0 | 234.1 | 123.2 | 102.0 | 84.0  | 71.8  | 68.5  | 67.7  |
| 20°   | 473.1  | 414.4  | 335.2 | 283.0 | 190.9 | 137.8 | 71.8  | 61.2  | 59.5  | 59.5  | 62.0  |
| 22.5° | 510.6  | 503.3  | 436.4 | 381.7 | 164.0 | 97.1  | 70.1  | 70.1  | 83.2  | 81.6  | 80.8  |
| 25°   | 666.4  | 656.6  | 494.3 | 332.0 | 164.0 | 83.2  | 88.9  | 78.3  | 76.7  | 75.0  | 73.4  |
| 27.5° | 842.6  | 822.2  | 695.0 | 300.2 | 115.8 | 87.3  | 84.8  | 74.2  | 88.1  | 88.1  | 87.3  |
| 30°   | 959.2  | 882.6  | 699.8 | 269.2 | 97.9  | 93.0  | 79.9  | 86.5  | 78.3  | 73.4  | 73.4  |
| 32.5° | 1243.1 | 1208.0 | 855.6 | 190.1 | 93.0  | 84.0  | 84.0  | 74.2  | 66.1  | 68.5  | 67.7  |
| 35°   | 1332.8 | 1287.1 | 761.8 | 142.7 | 85.6  | 77.5  | 70.1  | 65.3  | 56.3  | 50.6  | 49.8  |
| 37.5° | 1443.7 | 1384.2 | 639.5 | 110.1 | 84.0  | 68.5  | 57.9  | 49.8  | 43.2  | 43.2  | 42.4  |
| 40°   | 1580.0 | 1489.4 | 522.8 | 93.8  | 74.2  | 58.7  | 44.9  | 38.3  | 34.3  | 31.8  | 31.0  |
| 42.5° | 1729.2 | 1588.9 | 402.1 | 84.8  | 64.4  | 48.1  | 33.4  | 27.7  | 25.3  | 24.5  | 24.5  |
| 45°   | 1886.7 | 1681.1 | 288.7 | 77.5  | 56.3  | 37.5  | 24.5  | 19.6  | 18.8  | 18.8  | 18.8  |
| 47.5° | 2047.3 | 1748.0 | 196.6 | 70.1  | 47.3  | 27.7  | 17.9  | 14.7  | 14.7  | 13.9  | 13.9  |
| 50°   | 2204.8 | 1793.7 | 135.4 | 62.8  | 38.3  | 19.6  | 13.1  | 12.2  | 12.2  | 11.4  | 11.4  |
| 52.5° | 2319.0 | 1783.1 | 101.1 | 54.7  | 30.2  | 14.7  | 10.6  | 9.8   | 9.8   | 9.8   | 9.8   |
| 55°   | 2429.9 | 1759.4 | 83.2  | 46.5  | 22.8  | 10.6  | 8.2   | 7.3   | 7.3   | 7.3   | 7.3   |
| 57.5° | 2544.1 | 1727.6 | 71.8  | 37.5  | 16.3  | 8.2   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   |
| 60°   | 2638.7 | 1665.6 | 62.0  | 30.2  | 11.4  | 5.7   | 4.9   | 4.1   | 4.1   | 4.1   | 4.1   |
| 62.5° | 2743.9 | 1602.8 | 53.0  | 22.8  | 8.2   | 4.1   | 3.3   | 2.4   | 2.4   | 1.6   | 2.4   |
| 65°   | 2819.0 | 1526.1 | 43.2  | 16.3  | 5.7   | 3.3   | 2.4   | 1.6   | 0.8   | 0.0   | 0.8   |
| 67.5° | 2817.3 | 1424.2 | 31.0  | 10.6  | 4.1   | 2.4   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 70°   | 2694.2 | 1278.2 | 21.2  | 7.3   | 3.3   | 1.6   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 72°   | 2377.7 | 1031.0 | 16.3  | 6.5   | 3.3   | 1.6   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 72.5° | 2266.8 | 946.2  | 14.7  | 5.7   | 3.3   | 1.6   | 1.6   | 0.8   | 0.0   | 0.0   | 0.0   |
| 75°   | 1439.7 | 394.0  | 11.4  | 4.9   | 3.3   | 1.6   | 1.6   | 0.8   | 0.8   | 0.8   | 0.0   |
| 77.5° | 668.9  | 144.4  | 8.2   | 4.1   | 2.4   | 1.6   | 1.6   | 0.8   | 0.8   | 1.6   | 0.0   |
| 80°   | 146.0  | 42.4   | 5.7   | 4.1   | 2.4   | 1.6   | 1.6   | 1.6   | 1.6   | 2.4   | 0.0   |
| 82.5° | 33.4   | 13.9   | 4.9   | 3.3   | 2.4   | 1.6   | 1.6   | 1.6   | 1.6   | 2.4   | 0.0   |
| 85°   | 12.2   | 8.2    | 4.9   | 4.1   | 3.3   | 1.6   | 1.6   | 2.4   | 2.4   | 3.3   | 0.0   |
| 87.5° | 4.9    | 4.9    | 4.1   | 4.1   | 3.3   | 1.6   | 2.4   | 2.4   | 3.3   | 3.3   | 0.0   |
| 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)