

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: P415135

Luminaire Tested: **LXF.LXT-PA1-40-750-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4217 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

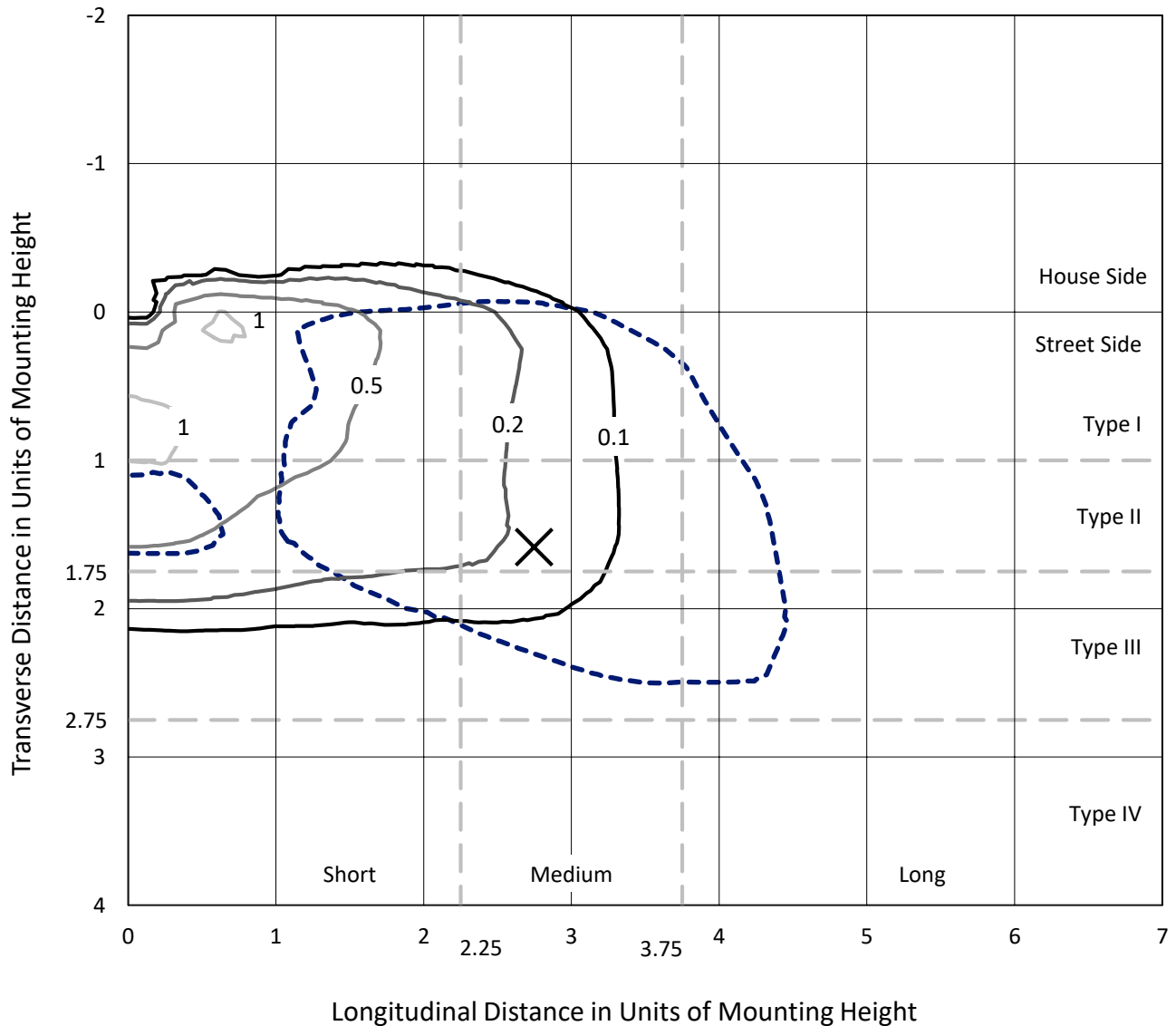
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415135
 CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

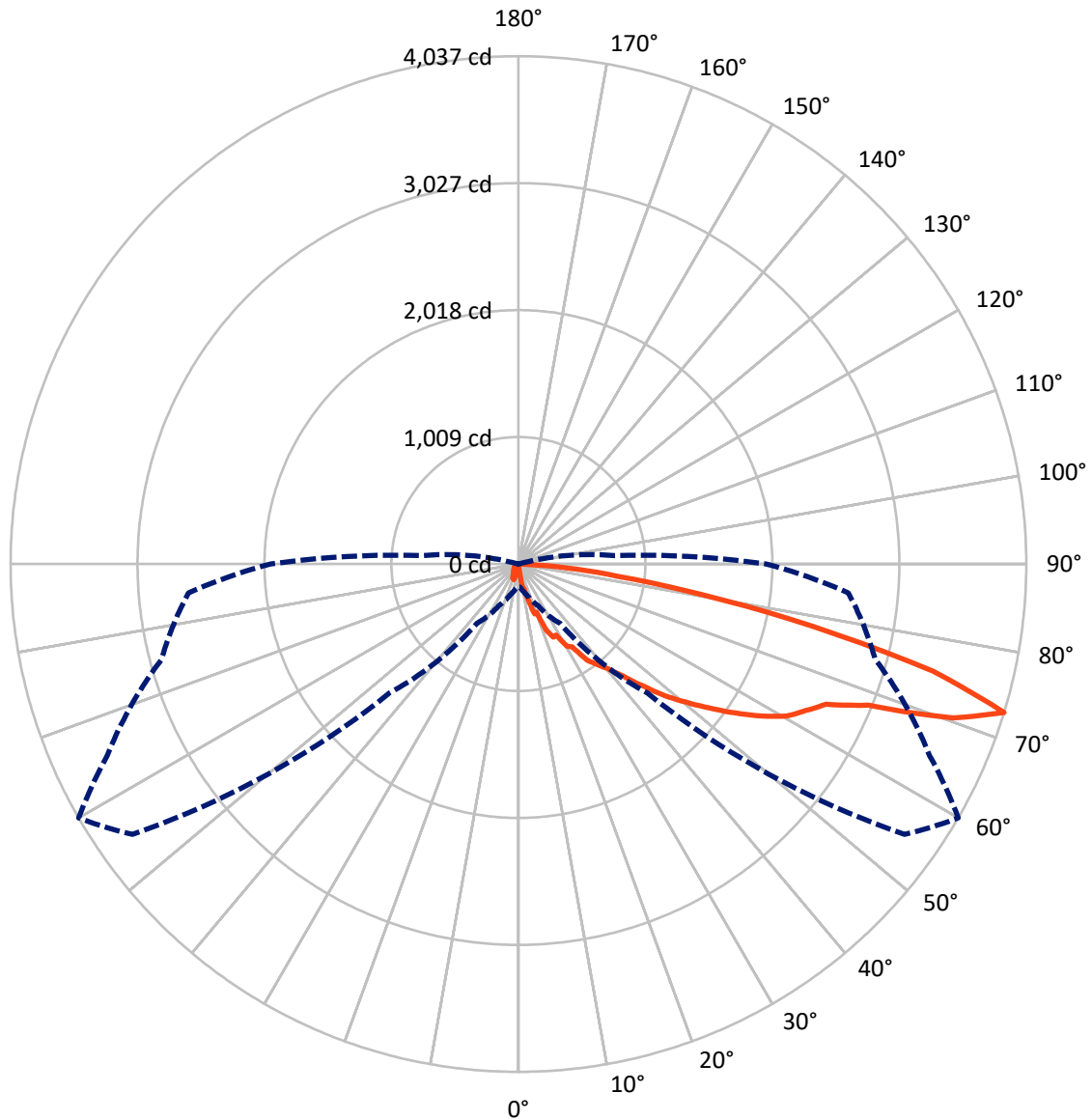
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415135
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P415135

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

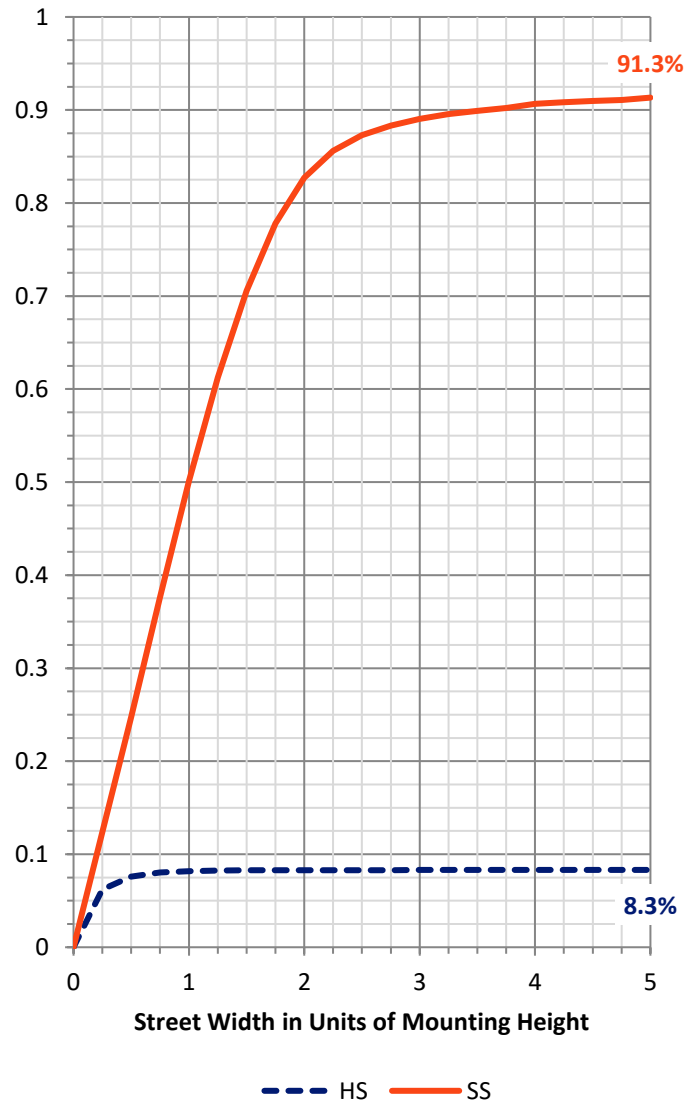
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 353.7 | 0.0 | 353.7 |
| | % Fixture | 8.4 | 0.0 | 8.4 |
| Street Side | Lumens | 3863.3 | 0.0 | 3863.3 |
| | % Fixture | 91.6 | 0.0 | 91.6 |
| Total | Lumens | 4217.0 | 0.0 | 4217.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.7 | 0.1 |
| 10°-20° | 58.7 | 1.4 |
| 20°-30° | 183.7 | 4.4 |
| 30°-40° | 396.0 | 9.4 |
| 40°-50° | 673.3 | 16.0 |
| 50°-60° | 995.4 | 23.6 |
| 60°-70° | 1082.7 | 25.7 |
| 70°-80° | 737.9 | 17.5 |
| 80°-90° | 83.7 | 2.0 |
| 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° | 4217.0 | 100.0 |
| 0°-180° | 4217.0 | 100.0 |



REPORT NUMBER: P415135

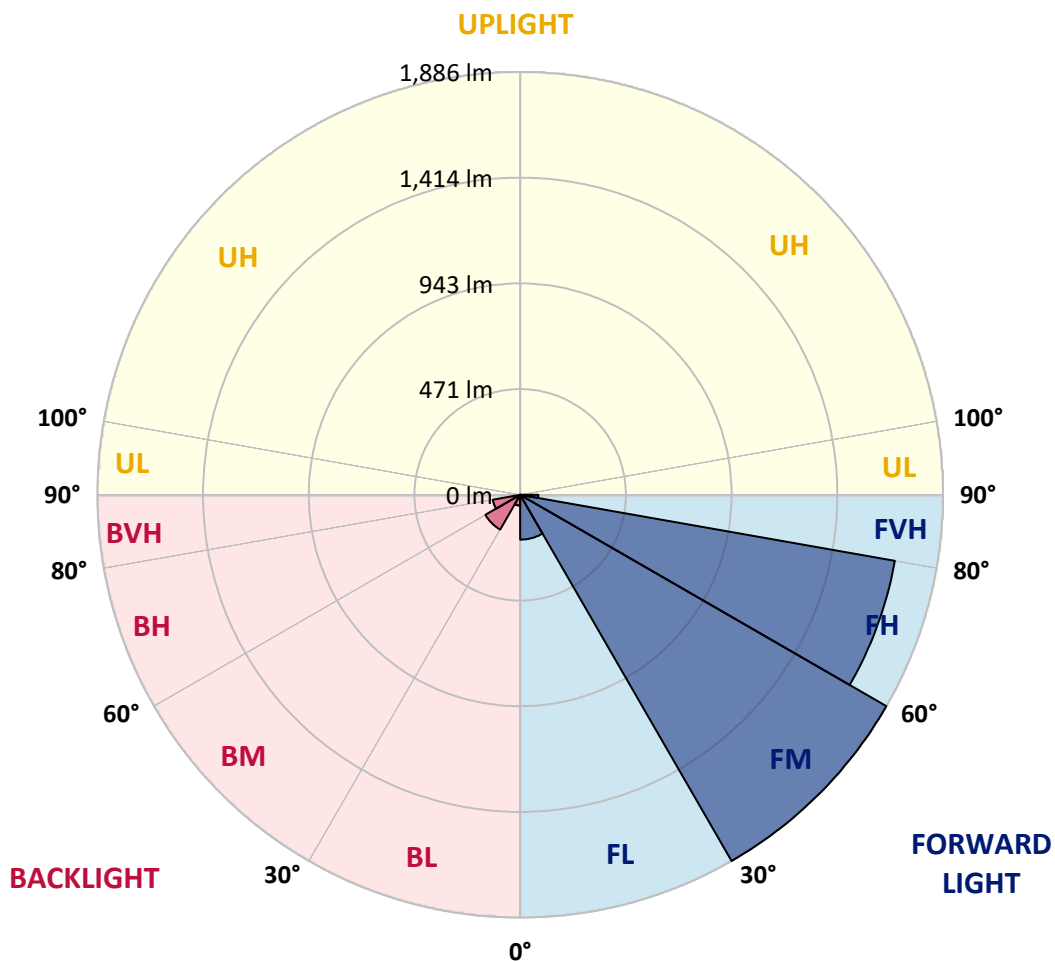
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 199.7 | 4.7 | | | |
| FM | (30°-60°) | 1885.8 | 44.7 | | | |
| FH | (60°-80°) | 1696.7 | 40.2 | | | G1/1800 |
| FVH | (80°-90°) | 81.2 | 1.9 | | | G1/100 |
| BL | (0°-30°) | 48.3 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 178.9 | 4.2 | B0/220 | | |
| BH | (60°-80°) | 123.9 | 2.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.5 | 0.1 | | | G0/10 |
| 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





REPORT NUMBER: P415135

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 2.5° | 3.8 | 2.7 | 2.7 | 2.2 | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 | 1.6 | 2.2 |
| 5° | 215.7 | 213.0 | 213.0 | 214.1 | 139.1 | 23.5 | 13.1 | 5.5 | 2.2 | 2.2 | 2.2 |
| 7.5° | 204.8 | 202.6 | 203.7 | 206.4 | 208.0 | 210.8 | 210.8 | 64.6 | 20.8 | 2.2 | 2.2 |
| 10° | 209.7 | 208.0 | 199.3 | 197.6 | 200.9 | 203.7 | 204.8 | 209.7 | 203.7 | 6.0 | 2.2 |
| 12.5° | 369.0 | 366.3 | 366.3 | 371.2 | 215.7 | 197.1 | 199.3 | 204.2 | 176.3 | 23.0 | 12.6 |
| 15° | 353.1 | 350.9 | 351.5 | 357.5 | 365.7 | 259.5 | 204.8 | 303.3 | 389.3 | 351.5 | 279.2 |
| 17.5° | 492.7 | 424.3 | 366.8 | 349.3 | 350.9 | 362.4 | 396.9 | 417.2 | 395.8 | 400.2 | 304.4 |
| 20° | 503.1 | 499.3 | 497.1 | 500.9 | 359.1 | 477.9 | 504.8 | 409.5 | 398.6 | 428.7 | 561.7 |
| 22.5° | 520.6 | 511.9 | 494.4 | 492.2 | 552.9 | 470.8 | 488.9 | 572.7 | 588.0 | 627.9 | 584.7 |
| 25° | 705.1 | 698.6 | 680.5 | 517.9 | 567.2 | 540.9 | 616.5 | 644.4 | 635.1 | 661.3 | 634.0 |
| 27.5° | 774.7 | 762.1 | 723.2 | 672.3 | 602.2 | 637.8 | 623.6 | 638.9 | 701.3 | 911.0 | 894.0 |
| 30° | 1085.6 | 1052.2 | 944.9 | 774.1 | 716.1 | 664.1 | 725.4 | 757.7 | 810.3 | 932.3 | 916.5 |
| 32.5° | 1179.8 | 1144.2 | 1066.5 | 985.4 | 848.6 | 752.8 | 798.2 | 784.0 | 821.8 | 1137.6 | 1203.3 |
| 35° | 1454.1 | 1437.7 | 1297.5 | 1072.5 | 1037.5 | 888.0 | 838.2 | 936.2 | 992.0 | 1153.5 | 1264.7 |
| 37.5° | 1457.4 | 1458.5 | 1450.3 | 1298.1 | 1137.6 | 998.0 | 1007.3 | 1011.2 | 1054.4 | 1229.1 | 1335.8 |
| 40° | 1503.9 | 1511.6 | 1531.8 | 1416.9 | 1281.6 | 1157.4 | 1132.7 | 1094.4 | 1132.7 | 1313.9 | 1433.3 |
| 42.5° | 1601.4 | 1606.8 | 1651.7 | 1531.8 | 1395.5 | 1281.6 | 1294.2 | 1215.9 | 1243.9 | 1474.3 | 1565.8 |
| 45° | 1772.7 | 1769.4 | 1825.8 | 1652.8 | 1501.7 | 1423.4 | 1437.7 | 1377.4 | 1360.5 | 1605.7 | 1721.3 |
| 47.5° | 1966.5 | 1978.6 | 1976.4 | 1786.4 | 1607.4 | 1555.4 | 1596.4 | 1564.1 | 1497.3 | 1773.3 | 1902.5 |
| 50° | 2149.9 | 2146.1 | 2089.2 | 1862.0 | 1701.5 | 1684.6 | 1779.3 | 1726.2 | 1665.4 | 1943.5 | 2077.1 |
| 52.5° | 2216.7 | 2220.0 | 2152.1 | 1907.4 | 1782.0 | 1812.7 | 1954.5 | 1900.8 | 1822.0 | 2065.1 | 2250.7 |
| 55° | 2204.7 | 2209.0 | 2170.7 | 1953.9 | 1842.2 | 1932.6 | 2136.2 | 2090.2 | 2001.6 | 2197.0 | 2381.0 |
| 57.5° | 2091.9 | 2091.9 | 2123.1 | 1982.9 | 1900.8 | 2039.9 | 2298.3 | 2279.7 | 2170.2 | 2306.5 | 2458.7 |
| 60° | 1803.9 | 1834.6 | 1932.6 | 1947.9 | 1969.8 | 2155.9 | 2458.7 | 2452.7 | 2319.6 | 2408.9 | 2504.7 |
| 62.5° | 1387.3 | 1397.1 | 1613.9 | 1778.2 | 1975.3 | 2312.0 | 2593.9 | 2564.9 | 2430.2 | 2440.1 | 2537.0 |
| 65° | 786.7 | 831.6 | 1032.0 | 1447.0 | 1863.0 | 2475.1 | 2811.3 | 2687.0 | 2527.1 | 2477.3 | 2655.8 |
| 67.5° | 423.7 | 440.2 | 551.9 | 876.0 | 1526.9 | 2493.2 | 3304.0 | 2996.9 | 2757.1 | 2673.3 | 2888.5 |
| 70° | 273.7 | 291.3 | 351.5 | 481.2 | 957.5 | 2204.7 | 3767.7 | 3664.2 | 3231.7 | 2941.6 | 2924.0 |
| 72.5° | 177.9 | 188.3 | 253.5 | 362.4 | 575.9 | 1452.4 | 3746.3 | 4036.5 | 3606.7 | 2936.6 | 2632.2 |
| 75° | 72.3 | 79.4 | 127.0 | 301.7 | 486.7 | 711.7 | 2874.2 | 3403.6 | 3386.1 | 2609.8 | 2037.1 |
| 77.5° | 36.1 | 38.3 | 56.4 | 163.1 | 432.0 | 492.7 | 1818.7 | 2400.7 | 2410.5 | 1902.5 | 1132.7 |
| 80° | 23.5 | 23.0 | 32.3 | 76.6 | 294.5 | 448.4 | 1017.2 | 1474.9 | 1379.1 | 721.6 | 317.5 |
| 82.5° | 9.3 | 9.9 | 17.5 | 43.8 | 123.2 | 405.7 | 580.3 | 793.8 | 620.8 | 140.7 | 91.4 |
| 85° | 1.6 | 1.6 | 5.5 | 23.5 | 38.9 | 185.6 | 374.5 | 384.3 | 255.1 | 44.3 | 46.0 |
| 87.5° | 0.5 | 0.5 | 1.1 | 1.6 | 2.7 | 4.4 | 16.4 | 7.7 | 4.9 | 7.7 | 8.8 |
| 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: P415135

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|------|------|-------|-------|-------|-------|
| 0° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 2.5° | 2.2 | 2.2 | 2.2 | 1.6 | 1.6 | 1.1 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 5° | 2.2 | 2.2 | 2.2 | 1.6 | 1.6 | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 7.5° | 2.2 | 2.2 | 2.2 | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 |
| 10° | 2.2 | 2.2 | 2.2 | 1.6 | 1.1 | 0.5 | 15.9 | 101.3 | 104.6 | 105.1 | 104.0 |
| 12.5° | 13.7 | 14.2 | 7.7 | 1.6 | 1.1 | 94.2 | 93.6 | 78.3 | 68.4 | 64.6 | 59.7 |
| 15° | 297.3 | 282.5 | 233.8 | 138.0 | 76.1 | 77.2 | 56.9 | 42.2 | 33.9 | 31.8 | 30.7 |
| 17.5° | 294.5 | 273.2 | 215.2 | 125.9 | 132.5 | 58.0 | 30.7 | 33.9 | 44.3 | 44.9 | 44.9 |
| 20° | 553.5 | 485.6 | 210.2 | 140.7 | 89.2 | 50.4 | 40.0 | 42.2 | 42.2 | 42.7 | 42.2 |
| 22.5° | 577.0 | 509.1 | 314.8 | 179.6 | 64.1 | 53.1 | 45.4 | 39.4 | 40.5 | 52.6 | 50.9 |
| 25° | 582.0 | 499.3 | 291.8 | 140.7 | 61.9 | 53.1 | 49.8 | 48.2 | 54.2 | 54.2 | 54.7 |
| 27.5° | 838.7 | 701.9 | 353.7 | 105.7 | 61.3 | 55.3 | 55.3 | 50.4 | 48.7 | 48.2 | 48.7 |
| 30° | 837.1 | 677.8 | 301.7 | 89.2 | 59.1 | 54.7 | 49.8 | 44.9 | 54.2 | 54.7 | 54.7 |
| 32.5° | 1098.8 | 866.6 | 291.8 | 72.3 | 59.1 | 50.4 | 43.8 | 46.5 | 43.3 | 43.3 | 43.3 |
| 35° | 1114.1 | 844.7 | 229.9 | 75.0 | 52.6 | 46.0 | 42.7 | 36.1 | 38.3 | 38.9 | 37.8 |
| 37.5° | 1143.7 | 829.4 | 174.6 | 67.9 | 52.6 | 42.7 | 35.0 | 32.3 | 30.1 | 29.6 | 29.6 |
| 40° | 1196.8 | 830.5 | 134.7 | 62.4 | 49.3 | 38.9 | 31.2 | 26.3 | 27.4 | 27.4 | 26.8 |
| 42.5° | 1276.2 | 846.4 | 105.7 | 57.5 | 44.3 | 34.5 | 26.3 | 23.5 | 21.9 | 21.9 | 21.4 |
| 45° | 1381.3 | 880.3 | 86.5 | 53.7 | 40.5 | 29.6 | 21.4 | 19.2 | 17.5 | 17.5 | 17.0 |
| 47.5° | 1511.6 | 928.0 | 75.6 | 49.8 | 36.1 | 24.6 | 17.5 | 15.3 | 14.2 | 13.7 | 13.7 |
| 50° | 1650.6 | 984.9 | 69.5 | 46.5 | 31.2 | 19.7 | 14.2 | 12.0 | 10.9 | 10.9 | 10.4 |
| 52.5° | 1794.6 | 1050.1 | 64.6 | 44.3 | 26.8 | 16.4 | 10.9 | 8.8 | 8.2 | 7.7 | 8.2 |
| 55° | 1911.2 | 1089.5 | 61.3 | 43.8 | 22.4 | 13.1 | 8.2 | 6.6 | 6.0 | 5.5 | 5.5 |
| 57.5° | 1987.9 | 1110.8 | 56.9 | 40.5 | 18.1 | 9.9 | 6.0 | 4.4 | 3.8 | 3.8 | 3.8 |
| 60° | 2048.1 | 1122.9 | 51.5 | 32.3 | 14.2 | 7.1 | 3.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62.5° | 2095.7 | 1131.1 | 43.3 | 25.2 | 10.9 | 4.9 | 2.7 | 1.6 | 1.6 | 1.6 | 1.6 |
| 65° | 2237.0 | 1179.3 | 33.4 | 19.2 | 8.2 | 3.3 | 1.6 | 1.1 | 0.5 | 1.1 | 1.1 |
| 67.5° | 2408.9 | 1199.5 | 24.6 | 13.7 | 6.0 | 2.2 | 1.1 | 0.5 | 0.5 | 0.5 | 1.1 |
| 70° | 2341.0 | 1045.1 | 18.1 | 9.9 | 4.4 | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 | 1.1 |
| 72.5° | 1967.1 | 763.7 | 13.1 | 7.1 | 3.3 | 1.6 | 1.1 | 0.5 | 0.5 | 1.1 | 1.1 |
| 75° | 1414.7 | 430.9 | 10.4 | 4.9 | 2.7 | 1.6 | 1.1 | 1.1 | 1.1 | 1.6 | 1.6 |
| 77.5° | 665.7 | 160.4 | 10.4 | 4.4 | 2.7 | 1.6 | 1.1 | 1.1 | 1.6 | 2.2 | 1.1 |
| 80° | 161.5 | 40.0 | 10.4 | 3.8 | 2.7 | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 | 1.1 |
| 82.5° | 54.2 | 17.0 | 7.7 | 3.3 | 2.7 | 1.6 | 1.6 | 2.2 | 2.2 | 2.7 | 1.6 |
| 85° | 32.8 | 10.9 | 5.5 | 3.8 | 3.3 | 1.6 | 2.2 | 2.2 | 2.7 | 3.3 | 1.6 |
| 87.5° | 5.5 | 4.4 | 3.8 | 3.8 | 3.3 | 2.2 | 2.2 | 2.7 | 2.7 | 3.3 | 2.2 |
| 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)