

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: P414254

Luminaire Tested: **LXF.LXT-PA1-20-740-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-740-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2772 lumens
Efficiency: N/A
Efficacy: 132.0 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): 21
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

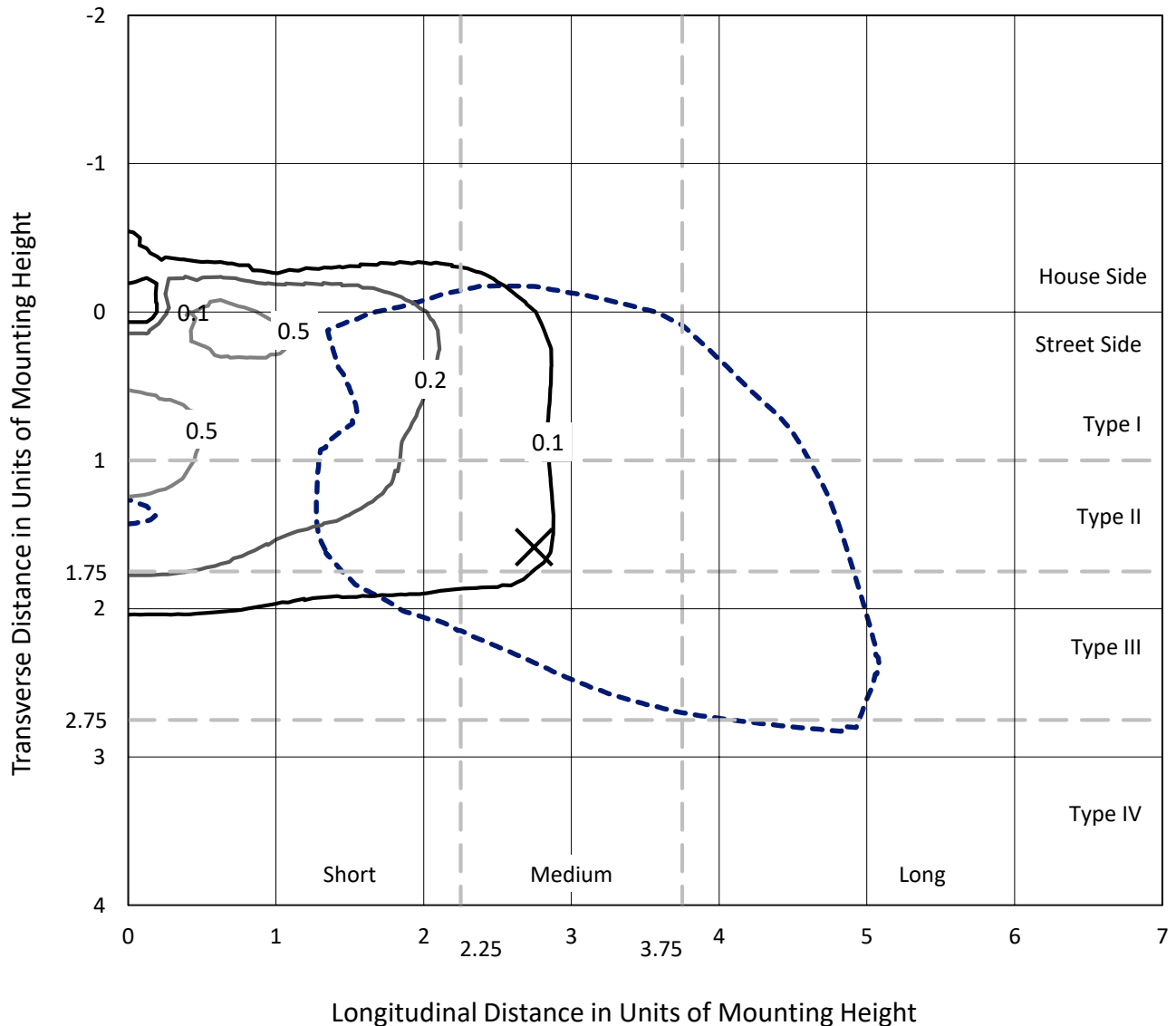


REPORT NUMBER: P414254

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

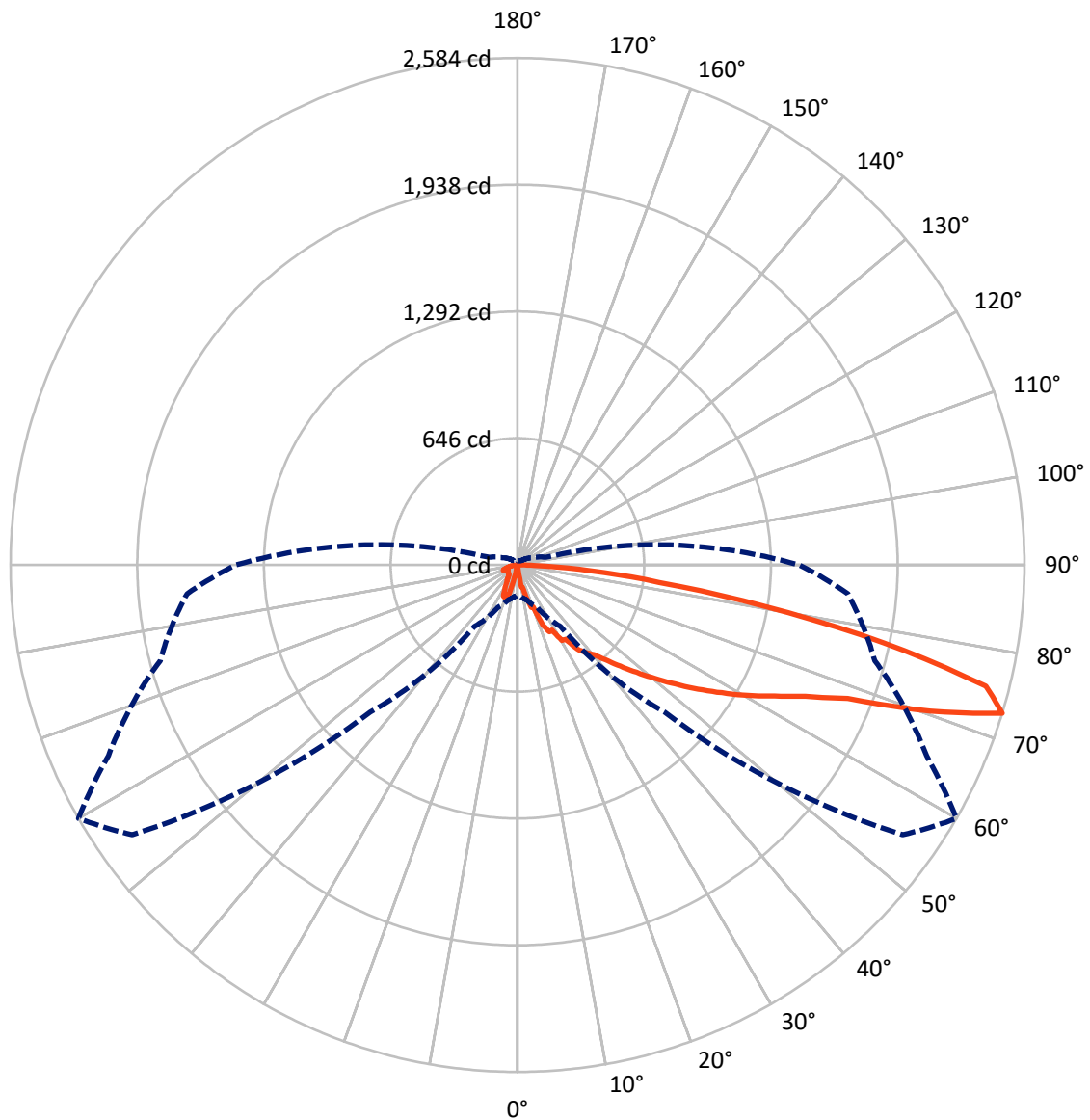


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414254

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3

Luminous Intensity Polar Plot



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



REPORT NUMBER: P414254

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3

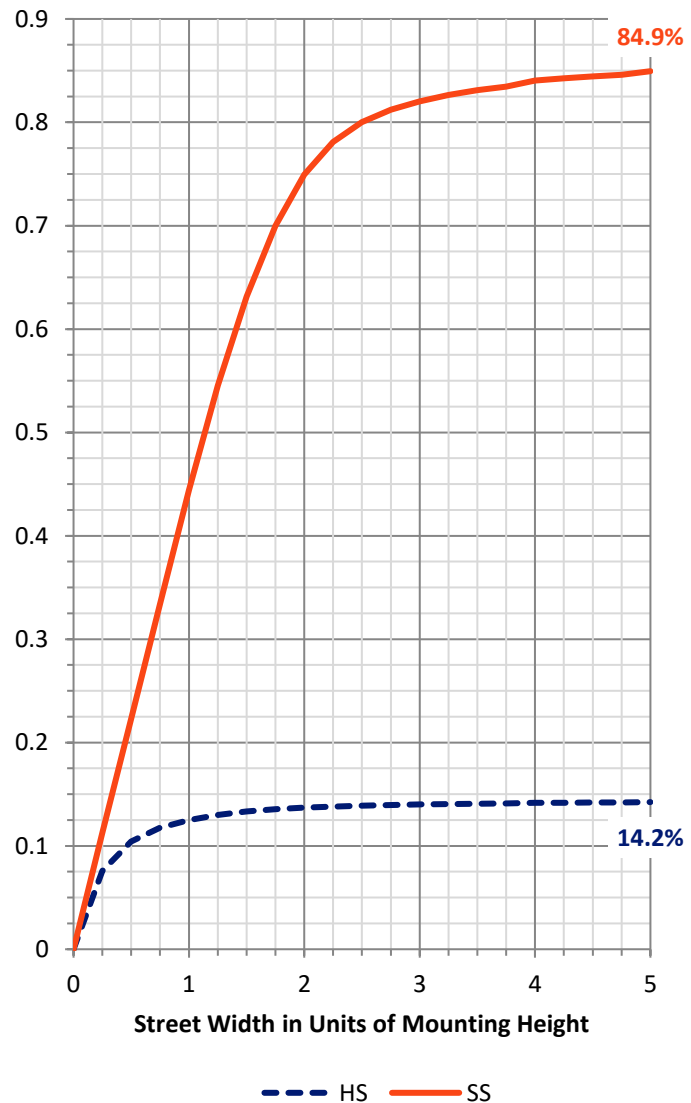
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 399.2 | 0.0 | 399.2 |
| | % Fixture | 14.4 | 0.0 | 14.4 |
| Street Side | Lumens | 2372.8 | 0.0 | 2372.8 |
| | % Fixture | 85.6 | 0.0 | 85.6 |
| Total | Lumens | 2772.0 | 0.0 | 2772.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.9 | 0.1 |
| 10°-20° | 40.4 | 1.5 |
| 20°-30° | 121.7 | 4.4 |
| 30°-40° | 240.7 | 8.7 |
| 40°-50° | 398.7 | 14.4 |
| 50°-60° | 595.6 | 21.5 |
| 60°-70° | 708.5 | 25.6 |
| 70°-80° | 567.2 | 20.5 |
| 80°-90° | 96.3 | 3.5 |
| 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° | 2772.0 | 100.0 |
| 0°-180° | 2772.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P414254

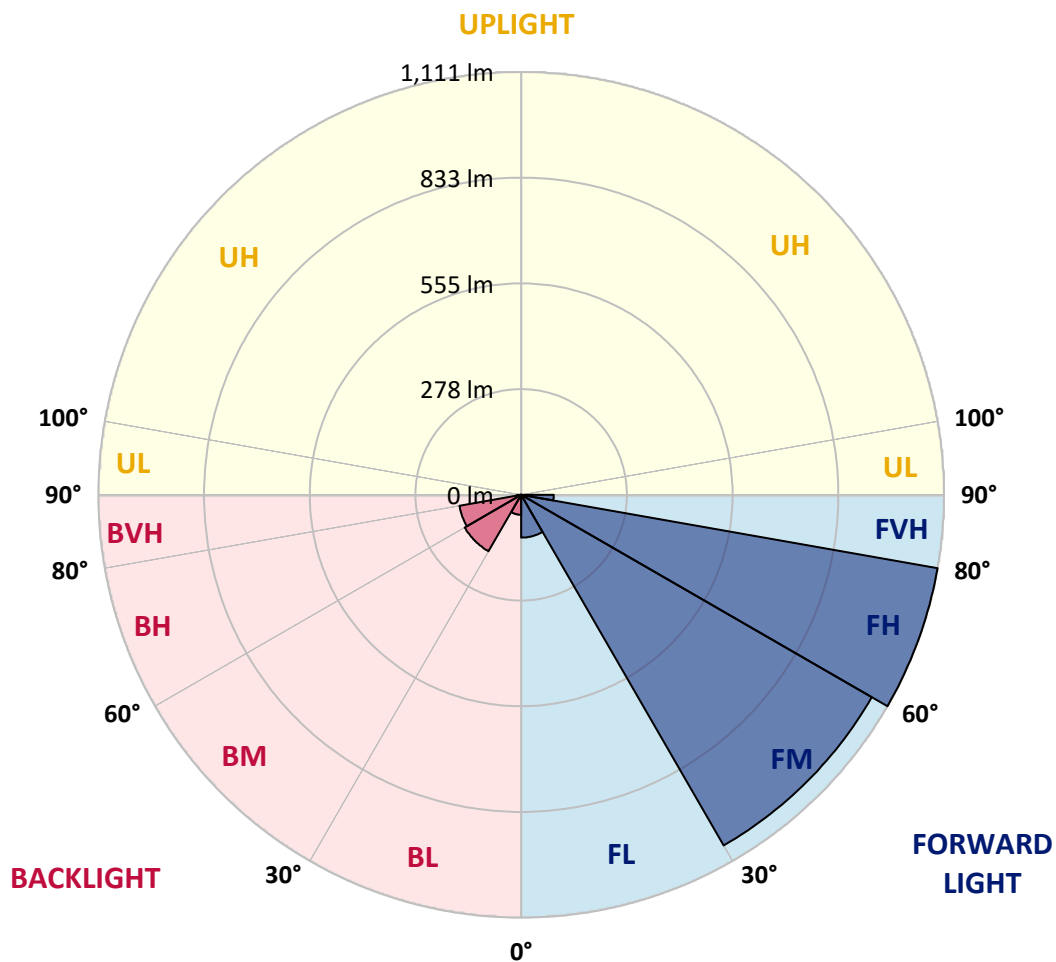
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 112.5 | 4.1 | | | |
| FM | (30°-60°) | 1063.7 | 38.4 | | | |
| FH | (60°-80°) | 1110.9 | 40.1 | | | G1/1800 |
| FVH | (80°-90°) | 85.7 | 3.1 | | | G1/100 |
| BL | (0°-30°) | 52.5 | 1.9 | B0/110 | | |
| BM | (30°-60°) | 171.3 | 6.2 | B0/220 | | |
| BH | (60°-80°) | 164.8 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 10.6 | 0.4 | | | 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





REPORT NUMBER: P414254

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3

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° | 1.5 | 1.5 | 1.8 | 2.1 | 2.1 | 1.8 | 1.5 | 1.5 | 1.5 | 1.2 | 1.5 |
| 5° | 103.6 | 52.2 | 35.0 | 16.6 | 12.4 | 6.0 | 2.4 | 1.8 | 1.8 | 1.5 | 1.5 |
| 7.5° | 119.0 | 119.0 | 119.3 | 120.5 | 121.4 | 122.0 | 15.1 | 7.9 | 3.0 | 1.5 | 1.5 |
| 10° | 114.8 | 113.8 | 114.5 | 115.7 | 116.9 | 118.7 | 120.8 | 114.8 | 13.6 | 2.4 | 1.8 |
| 12.5° | 212.0 | 211.4 | 204.1 | 124.4 | 115.4 | 115.4 | 118.4 | 118.7 | 93.3 | 9.1 | 8.8 |
| 15° | 204.4 | 204.1 | 205.0 | 207.2 | 210.5 | 119.3 | 121.1 | 176.4 | 229.8 | 161.9 | 188.1 |
| 17.5° | 210.2 | 207.8 | 202.3 | 201.1 | 204.1 | 191.8 | 225.6 | 228.3 | 233.4 | 186.0 | 190.6 |
| 20° | 288.4 | 287.5 | 287.5 | 242.2 | 199.6 | 279.0 | 264.8 | 228.6 | 234.6 | 269.1 | 337.0 |
| 22.5° | 287.5 | 286.0 | 283.9 | 283.6 | 325.2 | 271.5 | 275.7 | 330.7 | 344.0 | 394.4 | 380.8 |
| 25° | 390.8 | 386.8 | 327.7 | 285.7 | 323.1 | 304.1 | 368.4 | 378.1 | 349.7 | 409.2 | 389.6 |
| 27.5° | 424.3 | 416.7 | 398.0 | 364.8 | 325.5 | 369.6 | 367.8 | 375.7 | 385.6 | 559.3 | 535.4 |
| 30° | 576.2 | 540.6 | 440.3 | 423.7 | 389.3 | 374.2 | 419.2 | 446.6 | 487.1 | 547.8 | 557.8 |
| 32.5° | 644.7 | 631.8 | 582.8 | 521.5 | 454.8 | 404.1 | 458.4 | 451.5 | 490.7 | 665.9 | 715.1 |
| 35° | 792.7 | 776.7 | 642.6 | 587.4 | 528.8 | 495.3 | 471.4 | 527.3 | 575.6 | 692.5 | 728.7 |
| 37.5° | 821.7 | 818.1 | 787.0 | 687.9 | 609.4 | 544.5 | 551.7 | 566.8 | 598.2 | 729.6 | 767.0 |
| 40° | 844.4 | 844.7 | 853.7 | 768.3 | 683.7 | 623.6 | 601.9 | 602.2 | 629.0 | 790.6 | 816.3 |
| 42.5° | 904.1 | 906.6 | 931.0 | 839.8 | 773.7 | 716.0 | 678.3 | 661.7 | 682.2 | 860.7 | 876.7 |
| 45° | 1012.0 | 1006.5 | 1027.4 | 913.5 | 841.3 | 791.8 | 761.6 | 736.2 | 747.1 | 935.3 | 953.7 |
| 47.5° | 1147.5 | 1136.1 | 1129.1 | 1005.3 | 915.0 | 872.4 | 844.4 | 817.8 | 821.1 | 1006.5 | 1041.9 |
| 50° | 1252.3 | 1246.6 | 1210.7 | 1074.8 | 978.4 | 953.7 | 941.9 | 909.0 | 894.8 | 1085.9 | 1142.7 |
| 52.5° | 1297.0 | 1291.6 | 1247.2 | 1127.3 | 1028.6 | 1031.3 | 1051.8 | 1008.9 | 969.1 | 1172.0 | 1238.7 |
| 55° | 1289.2 | 1284.6 | 1255.4 | 1153.3 | 1064.8 | 1106.2 | 1159.9 | 1117.0 | 1065.4 | 1253.2 | 1336.6 |
| 57.5° | 1231.2 | 1233.3 | 1233.0 | 1155.1 | 1092.6 | 1176.5 | 1265.6 | 1228.8 | 1167.5 | 1333.9 | 1416.0 |
| 60° | 1103.2 | 1114.3 | 1156.0 | 1142.1 | 1127.9 | 1243.0 | 1368.3 | 1351.1 | 1286.2 | 1422.4 | 1489.4 |
| 62.5° | 883.6 | 905.7 | 996.9 | 1071.1 | 1156.3 | 1336.0 | 1468.6 | 1470.7 | 1409.1 | 1490.9 | 1546.2 |
| 65° | 596.1 | 594.3 | 730.2 | 914.4 | 1122.8 | 1482.1 | 1618.3 | 1614.1 | 1522.9 | 1569.1 | 1629.8 |
| 67.5° | 331.3 | 338.5 | 427.6 | 605.2 | 993.8 | 1572.7 | 1905.8 | 1815.2 | 1679.9 | 1688.4 | 1747.3 |
| 70° | 205.0 | 213.8 | 243.7 | 338.2 | 636.3 | 1467.0 | 2275.2 | 2232.9 | 1970.2 | 1846.6 | 1794.7 |
| 72.5° | 155.8 | 160.7 | 184.8 | 239.8 | 382.9 | 1061.2 | 2397.8 | 2584.4 | 2301.1 | 1885.6 | 1691.4 |
| 75° | 93.0 | 98.7 | 131.7 | 207.2 | 319.2 | 549.3 | 2078.9 | 2466.0 | 2406.2 | 1860.8 | 1476.1 |
| 77.5° | 58.0 | 59.5 | 71.0 | 144.7 | 294.1 | 345.8 | 1424.2 | 1910.1 | 1961.1 | 1576.1 | 1043.1 |
| 80° | 44.4 | 44.7 | 48.9 | 77.0 | 237.7 | 327.4 | 824.7 | 1275.6 | 1250.2 | 841.6 | 409.8 |
| 82.5° | 28.1 | 29.9 | 38.1 | 47.1 | 112.9 | 319.2 | 487.4 | 726.3 | 639.3 | 227.7 | 114.2 |
| 85° | 14.2 | 16.0 | 26.9 | 32.3 | 54.7 | 345.8 | 345.8 | 372.3 | 261.8 | 76.4 | 43.2 |
| 87.5° | 2.4 | 2.4 | 3.6 | 8.5 | 10.9 | 58.6 | 96.6 | 84.3 | 55.6 | 10.3 | 8.5 |
| 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: P414254

CATALOG NUMBER: LXF.LXT-PA1-20-740-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° | 1.5 | 1.5 | 1.5 | 1.2 | 0.9 | 0.6 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 5° | 1.5 | 1.5 | 1.5 | 1.2 | 0.9 | 0.6 | 0.3 | 0.3 | 0.6 | 0.9 | 0.9 |
| 7.5° | 1.5 | 1.5 | 1.5 | 1.2 | 0.9 | 0.9 | 0.6 | 1.2 | 2.7 | 35.3 | 23.9 |
| 10° | 1.8 | 1.8 | 1.8 | 1.5 | 1.2 | 3.3 | 103.3 | 109.0 | 109.3 | 108.7 | 107.5 |
| 12.5° | 9.7 | 10.6 | 7.9 | 2.7 | 11.2 | 103.6 | 99.4 | 94.5 | 92.7 | 90.6 | 90.6 |
| 15° | 190.9 | 188.4 | 177.9 | 131.1 | 80.3 | 92.4 | 83.0 | 76.7 | 119.0 | 117.5 | 118.7 |
| 17.5° | 191.5 | 187.2 | 172.1 | 187.5 | 173.9 | 83.0 | 94.2 | 102.4 | 96.6 | 94.5 | 95.4 |
| 20° | 363.3 | 343.7 | 174.5 | 174.8 | 149.2 | 147.4 | 80.0 | 75.5 | 76.4 | 78.2 | 78.8 |
| 22.5° | 369.9 | 347.3 | 267.9 | 226.5 | 128.0 | 118.1 | 81.8 | 65.5 | 96.9 | 107.8 | 109.0 |
| 25° | 373.0 | 344.6 | 253.1 | 200.5 | 144.7 | 88.5 | 79.1 | 71.9 | 88.5 | 99.4 | 100.0 |
| 27.5° | 527.3 | 477.7 | 345.8 | 170.3 | 111.7 | 77.6 | 74.0 | 67.6 | 79.4 | 98.4 | 98.7 |
| 30° | 522.7 | 464.5 | 320.4 | 164.9 | 86.4 | 71.6 | 64.0 | 70.7 | 74.9 | 80.0 | 80.0 |
| 32.5° | 679.8 | 596.1 | 355.4 | 132.9 | 72.5 | 59.5 | 60.4 | 64.3 | 64.6 | 76.4 | 77.3 |
| 35° | 680.1 | 583.1 | 306.2 | 121.4 | 62.2 | 54.4 | 55.3 | 59.5 | 65.8 | 73.4 | 74.6 |
| 37.5° | 690.6 | 577.4 | 263.9 | 94.5 | 62.2 | 54.4 | 52.5 | 56.8 | 61.3 | 71.9 | 73.1 |
| 40° | 713.0 | 579.8 | 223.8 | 78.5 | 60.1 | 53.5 | 51.9 | 55.3 | 60.7 | 66.7 | 67.3 |
| 42.5° | 751.0 | 593.4 | 185.7 | 71.0 | 58.6 | 53.5 | 49.8 | 52.2 | 55.3 | 67.6 | 68.9 |
| 45° | 811.4 | 622.4 | 156.4 | 67.9 | 58.0 | 51.3 | 47.4 | 48.0 | 50.1 | 80.0 | 83.3 |
| 47.5° | 882.1 | 662.6 | 131.1 | 66.4 | 57.1 | 49.2 | 43.8 | 44.4 | 49.2 | 90.9 | 95.4 |
| 50° | 963.6 | 722.0 | 116.0 | 66.1 | 56.2 | 46.2 | 41.1 | 44.4 | 54.4 | 90.6 | 92.7 |
| 52.5° | 1059.4 | 782.4 | 107.8 | 67.3 | 55.6 | 43.5 | 42.6 | 49.8 | 51.6 | 72.8 | 72.8 |
| 55° | 1145.4 | 849.5 | 108.4 | 68.2 | 53.8 | 43.5 | 43.8 | 42.3 | 40.8 | 50.1 | 50.4 |
| 57.5° | 1230.0 | 916.2 | 118.4 | 66.4 | 51.0 | 43.8 | 37.7 | 34.7 | 35.3 | 42.6 | 43.5 |
| 60° | 1303.4 | 980.5 | 148.3 | 62.5 | 48.6 | 39.6 | 35.0 | 32.6 | 33.2 | 42.9 | 43.8 |
| 62.5° | 1382.5 | 1059.1 | 205.4 | 64.0 | 48.3 | 37.4 | 32.6 | 29.9 | 31.1 | 35.6 | 36.2 |
| 65° | 1489.4 | 1168.7 | 256.7 | 75.5 | 50.1 | 36.2 | 29.9 | 28.4 | 28.7 | 29.0 | 29.0 |
| 67.5° | 1594.2 | 1236.3 | 247.6 | 89.1 | 56.2 | 35.6 | 28.4 | 26.6 | 26.3 | 26.3 | 26.3 |
| 70° | 1583.9 | 1162.9 | 196.3 | 94.5 | 61.0 | 35.6 | 27.2 | 24.8 | 24.2 | 24.2 | 24.2 |
| 72.5° | 1435.6 | 994.7 | 150.7 | 87.6 | 56.2 | 34.1 | 25.4 | 22.6 | 21.7 | 21.7 | 21.7 |
| 75° | 1221.5 | 797.8 | 126.5 | 76.1 | 45.9 | 29.3 | 22.3 | 20.2 | 19.6 | 19.6 | 19.3 |
| 77.5° | 780.3 | 471.7 | 107.5 | 61.9 | 35.3 | 23.9 | 19.3 | 17.5 | 17.5 | 17.5 | 16.6 |
| 80° | 313.2 | 207.5 | 83.7 | 48.9 | 27.5 | 19.0 | 16.0 | 15.1 | 14.8 | 14.5 | 13.6 |
| 82.5° | 119.0 | 102.4 | 54.4 | 35.6 | 21.1 | 14.5 | 13.0 | 12.1 | 12.1 | 11.8 | 10.3 |
| 85° | 42.6 | 39.9 | 25.1 | 20.5 | 13.0 | 9.1 | 10.0 | 9.1 | 8.8 | 7.9 | 6.6 |
| 87.5° | 9.1 | 10.0 | 6.9 | 4.5 | 4.5 | 2.7 | 3.3 | 3.6 | 3.6 | 3.3 | 1.8 |
| 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)