

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: P414957

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414957
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-PA1-40-722-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3738 lumens
Efficiency: N/A
Efficacy: 93.5 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 - G1

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

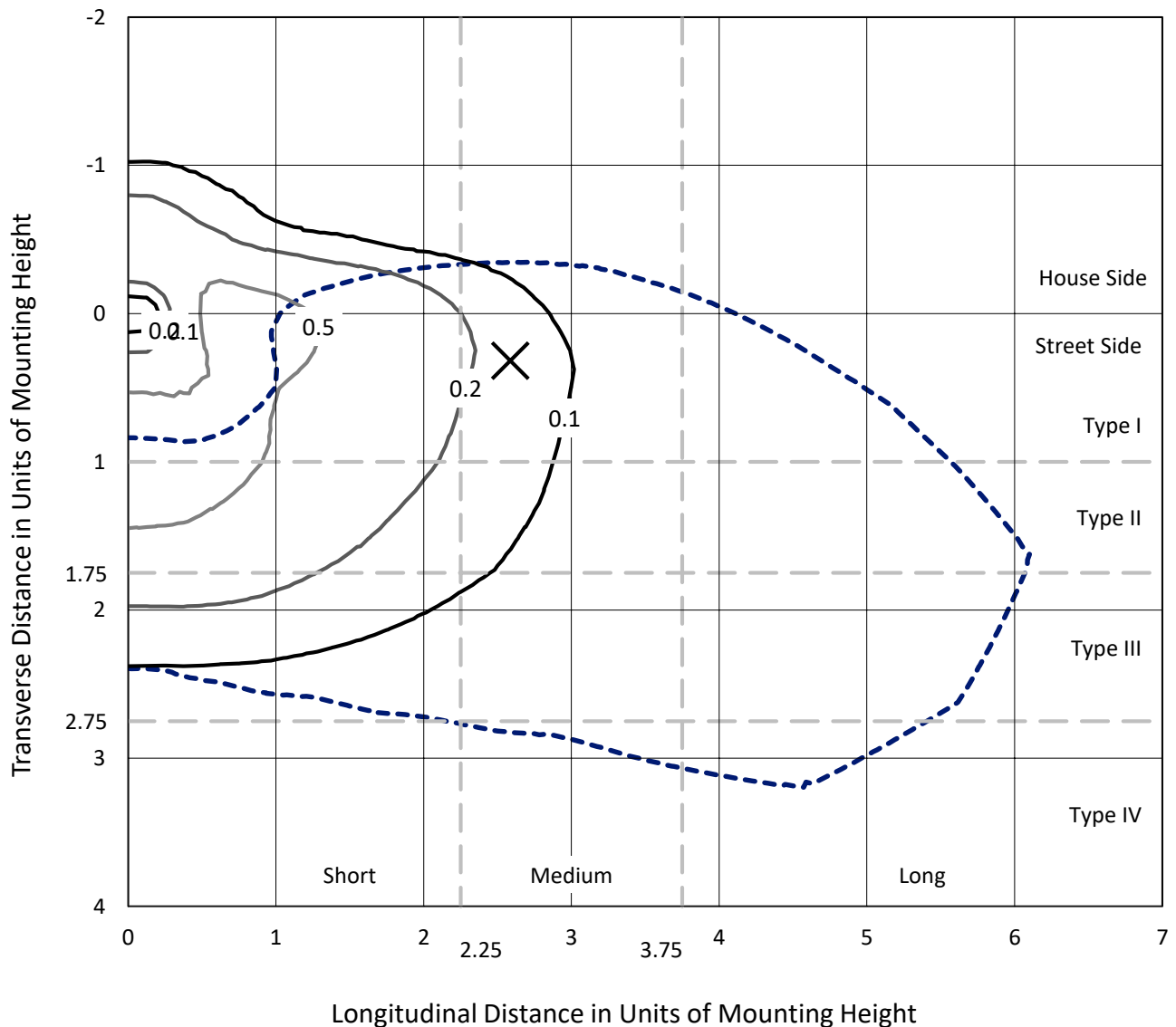


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

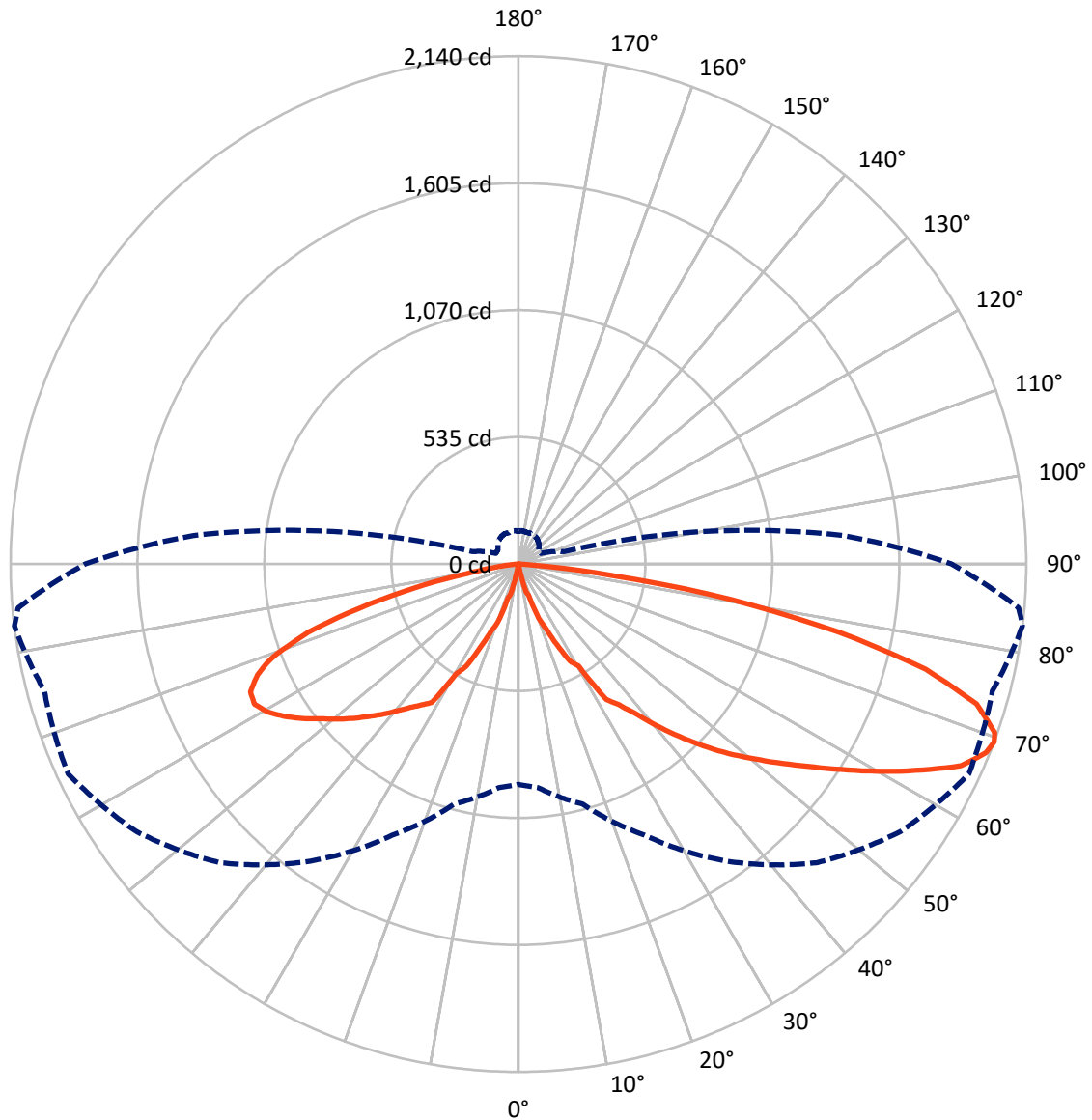


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414957

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 792.8 | 0.0 | 792.8 |
| | % Fixture | 21.2 | 0.0 | 21.2 |
| Street Side | Lumens | 2945.2 | 0.0 | 2945.2 |
| | % Fixture | 78.8 | 0.0 | 78.8 |
| Total | Lumens | 3738.0 | 0.0 | 3738.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.4 | 0.1 |
| 10°-20° | 38.0 | 1.0 |
| 20°-30° | 149.9 | 4.0 |
| 30°-40° | 333.6 | 8.9 |
| 40°-50° | 566.4 | 15.2 |
| 50°-60° | 844.1 | 22.6 |
| 60°-70° | 994.1 | 26.6 |
| 70°-80° | 695.8 | 18.6 |
| 80°-90° | 113.6 | 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° | 3738.0 | 100.0 |
| 0°-180° | 3738.0 | 100.0 |



REPORT NUMBER: P414957

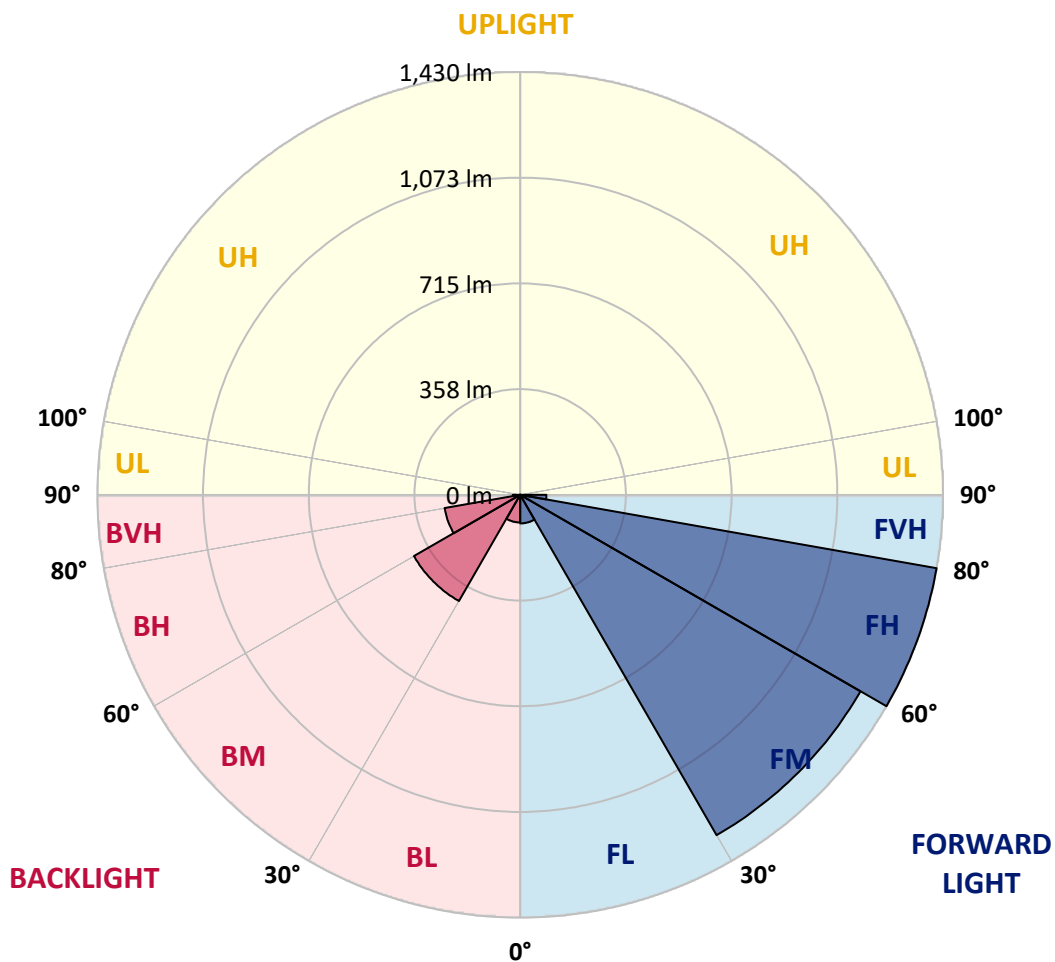
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 96.8 | 2.6 | | | |
| FM (30°-60°) | 1329.3 | 35.6 | | | |
| FH (60°-80°) | 1430.3 | 38.3 | | | G1/1800 |
| FVH (80°-90°) | 88.8 | 2.4 | | | G1/100 |
| BL (0°-30°) | 93.5 | 2.5 | B0/110 | | |
| BM (30°-60°) | 414.9 | 11.1 | B1/1000 | | |
| BH (60°-80°) | 259.7 | 6.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 24.8 | 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-G1

Type IV Medium





REPORT NUMBER: P414957

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 83° | 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° | 2.0 | 1.6 | 2.0 | 2.4 | 2.4 | 2.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.2 |
| 5° | 32.6 | 23.7 | 21.3 | 18.9 | 11.3 | 4.0 | 2.4 | 1.6 | 1.6 | 1.6 | 1.6 |
| 7.5° | 68.8 | 68.8 | 68.8 | 69.2 | 68.8 | 51.1 | 12.1 | 2.8 | 1.6 | 1.6 | 1.6 |
| 10° | 69.6 | 69.2 | 68.8 | 69.2 | 70.0 | 70.4 | 68.0 | 9.7 | 4.0 | 3.6 | 3.6 |
| 12.5° | 126.0 | 125.2 | 120.7 | 84.5 | 71.6 | 72.0 | 73.6 | 53.1 | 19.3 | 51.1 | 59.6 |
| 15° | 133.6 | 132.8 | 132.8 | 133.2 | 126.4 | 78.5 | 110.7 | 144.9 | 103.0 | 123.1 | 125.2 |
| 17.5° | 149.7 | 145.3 | 141.7 | 139.2 | 140.0 | 156.1 | 156.9 | 160.2 | 119.9 | 138.0 | 140.4 |
| 20° | 229.4 | 227.8 | 214.9 | 164.6 | 153.7 | 202.8 | 180.7 | 177.9 | 224.5 | 243.9 | 247.9 |
| 22.5° | 262.0 | 260.4 | 251.1 | 242.3 | 252.7 | 220.9 | 257.1 | 265.2 | 304.2 | 292.6 | 296.2 |
| 25° | 355.7 | 354.5 | 303.0 | 280.5 | 308.3 | 253.9 | 317.5 | 303.8 | 336.0 | 374.6 | 378.7 |
| 27.5° | 435.4 | 432.6 | 422.1 | 378.3 | 344.1 | 380.7 | 351.3 | 406.0 | 456.3 | 462.8 | 474.8 |
| 30° | 517.1 | 498.6 | 466.4 | 468.0 | 423.7 | 419.7 | 418.5 | 487.3 | 488.9 | 499.0 | 519.5 |
| 32.5° | 650.7 | 642.3 | 615.3 | 532.0 | 522.3 | 466.4 | 515.1 | 519.5 | 638.6 | 680.5 | 684.5 |
| 35° | 757.7 | 721.5 | 696.2 | 649.1 | 575.9 | 594.0 | 573.8 | 653.5 | 700.6 | 727.6 | 744.1 |
| 37.5° | 928.4 | 933.2 | 891.8 | 720.3 | 674.4 | 653.5 | 688.5 | 731.6 | 790.3 | 796.8 | 821.7 |
| 40° | 1051.1 | 1047.9 | 992.0 | 865.6 | 763.0 | 741.7 | 765.0 | 807.2 | 886.9 | 895.0 | 901.0 |
| 42.5° | 1229.8 | 1214.1 | 1136.0 | 994.0 | 899.0 | 853.9 | 860.4 | 878.1 | 957.7 | 993.6 | 986.3 |
| 45° | 1395.2 | 1384.7 | 1305.8 | 1130.8 | 1027.8 | 975.1 | 965.4 | 949.7 | 1045.5 | 1093.4 | 1080.1 |
| 47.5° | 1524.8 | 1506.2 | 1461.2 | 1282.9 | 1203.6 | 1113.9 | 1065.6 | 1037.0 | 1132.4 | 1193.6 | 1175.1 |
| 50° | 1663.6 | 1635.4 | 1594.8 | 1433.8 | 1355.7 | 1275.7 | 1169.4 | 1133.6 | 1230.2 | 1290.9 | 1276.1 |
| 52.5° | 1755.7 | 1711.9 | 1686.5 | 1568.2 | 1496.2 | 1426.2 | 1270.4 | 1246.3 | 1337.6 | 1396.0 | 1392.8 |
| 55° | 1709.5 | 1707.9 | 1733.6 | 1658.8 | 1588.7 | 1514.7 | 1375.5 | 1374.2 | 1449.9 | 1509.9 | 1512.7 |
| 57.5° | 1629.0 | 1637.4 | 1710.7 | 1721.9 | 1692.2 | 1605.2 | 1505.4 | 1517.5 | 1581.9 | 1637.4 | 1643.5 |
| 60° | 1526.4 | 1549.7 | 1655.1 | 1714.7 | 1738.4 | 1695.4 | 1630.6 | 1649.1 | 1726.0 | 1773.8 | 1772.2 |
| 62.5° | 1390.7 | 1409.7 | 1540.8 | 1675.7 | 1723.9 | 1764.6 | 1746.1 | 1805.6 | 1866.4 | 1911.5 | 1923.1 |
| 65° | 1230.6 | 1238.2 | 1380.3 | 1562.2 | 1686.9 | 1800.0 | 1842.7 | 1950.9 | 1980.3 | 2049.5 | 2051.9 |
| 67.5° | 1053.1 | 1055.5 | 1179.1 | 1396.0 | 1606.4 | 1797.2 | 1924.8 | 2058.4 | 2050.7 | 2124.3 | 2118.7 |
| 69° | 928.4 | 945.7 | 1047.1 | 1260.8 | 1528.4 | 1779.9 | 1965.4 | 2093.8 | 2068.0 | 2140.0 | 2115.5 |
| 70° | 840.6 | 839.4 | 955.3 | 1146.1 | 1459.6 | 1757.7 | 1991.2 | 2103.0 | 2068.4 | 2129.2 | 2092.2 |
| 72.5° | 535.6 | 543.7 | 643.9 | 813.3 | 1176.3 | 1629.8 | 2022.9 | 2078.5 | 2024.1 | 2018.1 | 1938.8 |
| 75° | 236.6 | 214.9 | 277.7 | 430.6 | 739.6 | 1267.6 | 1946.5 | 1967.8 | 1898.2 | 1773.8 | 1637.8 |
| 77.5° | 82.9 | 86.1 | 104.6 | 175.1 | 356.1 | 755.3 | 1613.3 | 1731.2 | 1676.5 | 1377.5 | 1225.8 |
| 80° | 59.2 | 59.6 | 70.0 | 97.8 | 172.6 | 266.4 | 1027.0 | 1252.3 | 1290.1 | 908.3 | 780.7 |
| 82.5° | 41.9 | 41.9 | 51.9 | 62.4 | 119.5 | 119.1 | 441.9 | 688.9 | 736.0 | 402.8 | 301.4 |
| 85° | 35.0 | 35.8 | 39.8 | 36.2 | 70.0 | 60.8 | 109.1 | 212.5 | 174.2 | 49.1 | 43.1 |
| 87.5° | 5.2 | 4.8 | 13.7 | 12.1 | 10.5 | 8.9 | 12.1 | 13.7 | 9.3 | 7.2 | 5.2 |
| 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: P414957

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3

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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.2 | 0.8 | 0.8 | 0.8 | 1.2 | 1.2 | 1.2 |
| 5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 2.0 | 2.8 | 3.2 | 3.6 | 3.6 |
| 7.5° | 1.6 | 1.6 | 1.6 | 2.0 | 2.4 | 3.6 | 19.7 | 68.4 | 74.8 | 78.1 | 80.1 |
| 10° | 3.2 | 3.6 | 3.6 | 3.6 | 8.9 | 75.7 | 90.1 | 93.4 | 96.6 | 98.2 | 97.8 |
| 12.5° | 62.4 | 64.4 | 16.1 | 11.7 | 70.4 | 94.6 | 97.4 | 100.6 | 103.8 | 106.2 | 105.8 |
| 15° | 128.4 | 131.6 | 126.4 | 130.8 | 138.8 | 102.6 | 105.0 | 177.9 | 192.8 | 195.6 | 196.0 |
| 17.5° | 143.3 | 145.7 | 148.1 | 192.8 | 197.6 | 152.1 | 181.9 | 195.2 | 196.8 | 197.6 | 198.0 |
| 20° | 272.8 | 271.6 | 219.7 | 211.3 | 209.3 | 264.0 | 193.2 | 196.8 | 235.4 | 268.0 | 269.6 |
| 22.5° | 301.0 | 304.6 | 290.1 | 310.3 | 274.8 | 267.2 | 243.5 | 260.8 | 275.3 | 274.8 | 273.6 |
| 25° | 390.3 | 395.2 | 332.8 | 322.7 | 329.6 | 265.6 | 303.8 | 260.4 | 264.4 | 264.8 | 267.2 |
| 27.5° | 488.1 | 489.3 | 462.0 | 363.4 | 324.3 | 328.8 | 286.1 | 277.3 | 309.9 | 311.9 | 311.9 |
| 30° | 531.6 | 539.2 | 488.1 | 420.9 | 336.0 | 310.7 | 277.3 | 302.2 | 287.7 | 290.1 | 290.1 |
| 32.5° | 706.2 | 700.2 | 637.4 | 416.9 | 348.1 | 285.7 | 289.7 | 280.1 | 310.3 | 318.3 | 319.1 |
| 35° | 752.1 | 739.6 | 641.0 | 466.0 | 324.7 | 291.8 | 264.8 | 284.5 | 284.5 | 284.1 | 282.1 |
| 37.5° | 808.9 | 787.1 | 633.4 | 431.4 | 326.8 | 266.4 | 255.5 | 255.9 | 279.3 | 284.5 | 280.9 |
| 40° | 876.1 | 843.5 | 632.2 | 402.8 | 296.2 | 252.3 | 234.6 | 246.3 | 245.9 | 239.0 | 235.0 |
| 42.5° | 948.9 | 905.8 | 629.4 | 369.0 | 266.0 | 236.6 | 221.3 | 217.7 | 219.7 | 207.2 | 206.0 |
| 45° | 1034.2 | 970.2 | 621.3 | 339.2 | 241.9 | 219.7 | 202.4 | 196.8 | 197.6 | 187.9 | 185.5 |
| 47.5° | 1124.8 | 1036.6 | 619.3 | 315.9 | 221.7 | 202.8 | 188.7 | 181.5 | 184.3 | 173.4 | 171.0 |
| 50° | 1225.8 | 1105.0 | 612.5 | 294.2 | 199.6 | 187.1 | 176.7 | 168.2 | 168.6 | 160.2 | 158.1 |
| 52.5° | 1335.6 | 1171.4 | 604.8 | 264.4 | 179.5 | 173.8 | 167.8 | 161.4 | 168.6 | 157.3 | 154.9 |
| 55° | 1448.3 | 1252.3 | 594.8 | 229.8 | 161.4 | 163.8 | 157.7 | 162.6 | 173.0 | 155.3 | 152.1 |
| 57.5° | 1573.4 | 1328.4 | 575.9 | 192.0 | 146.9 | 152.5 | 156.5 | 163.0 | 171.4 | 154.9 | 148.9 |
| 60° | 1692.2 | 1401.6 | 530.8 | 162.2 | 134.4 | 143.3 | 154.1 | 160.6 | 159.8 | 152.1 | 148.1 |
| 62.5° | 1812.9 | 1462.0 | 447.5 | 139.2 | 123.9 | 138.8 | 150.5 | 153.3 | 149.7 | 146.9 | 144.5 |
| 65° | 1879.3 | 1476.9 | 346.9 | 123.9 | 115.5 | 132.8 | 146.1 | 148.5 | 143.3 | 143.3 | 141.2 |
| 67.5° | 1868.4 | 1429.0 | 255.9 | 111.5 | 108.2 | 126.8 | 138.4 | 144.1 | 140.4 | 143.3 | 140.0 |
| 69° | 1825.0 | 1374.2 | 201.2 | 105.0 | 104.6 | 121.9 | 134.0 | 140.4 | 137.6 | 141.7 | 137.6 |
| 70° | 1773.8 | 1319.1 | 177.9 | 101.4 | 101.0 | 118.3 | 131.2 | 137.6 | 134.4 | 137.6 | 134.0 |
| 72.5° | 1577.9 | 1132.0 | 127.6 | 91.3 | 92.6 | 111.1 | 124.3 | 129.2 | 126.4 | 127.2 | 122.3 |
| 75° | 1261.6 | 841.5 | 101.0 | 82.9 | 84.1 | 102.6 | 116.7 | 119.5 | 117.5 | 113.9 | 111.1 |
| 77.5° | 886.9 | 542.5 | 82.9 | 75.3 | 75.7 | 92.6 | 108.7 | 108.2 | 105.0 | 101.4 | 97.8 |
| 80° | 483.7 | 255.1 | 70.4 | 66.0 | 67.2 | 82.5 | 97.0 | 95.8 | 91.8 | 88.1 | 83.7 |
| 82.5° | 209.3 | 103.0 | 54.7 | 52.7 | 56.3 | 69.2 | 83.3 | 80.1 | 76.5 | 78.1 | 60.8 |
| 85° | 37.4 | 35.4 | 31.8 | 33.8 | 38.2 | 49.1 | 58.8 | 55.9 | 53.9 | 45.9 | 42.3 |
| 87.5° | 3.2 | 4.8 | 4.8 | 6.0 | 8.5 | 9.3 | 16.5 | 12.1 | 12.5 | 4.8 | 2.4 |
| 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)