

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: P695124

Luminaire Tested: **LXF.LXT-PA16-40-740-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-740-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4855 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

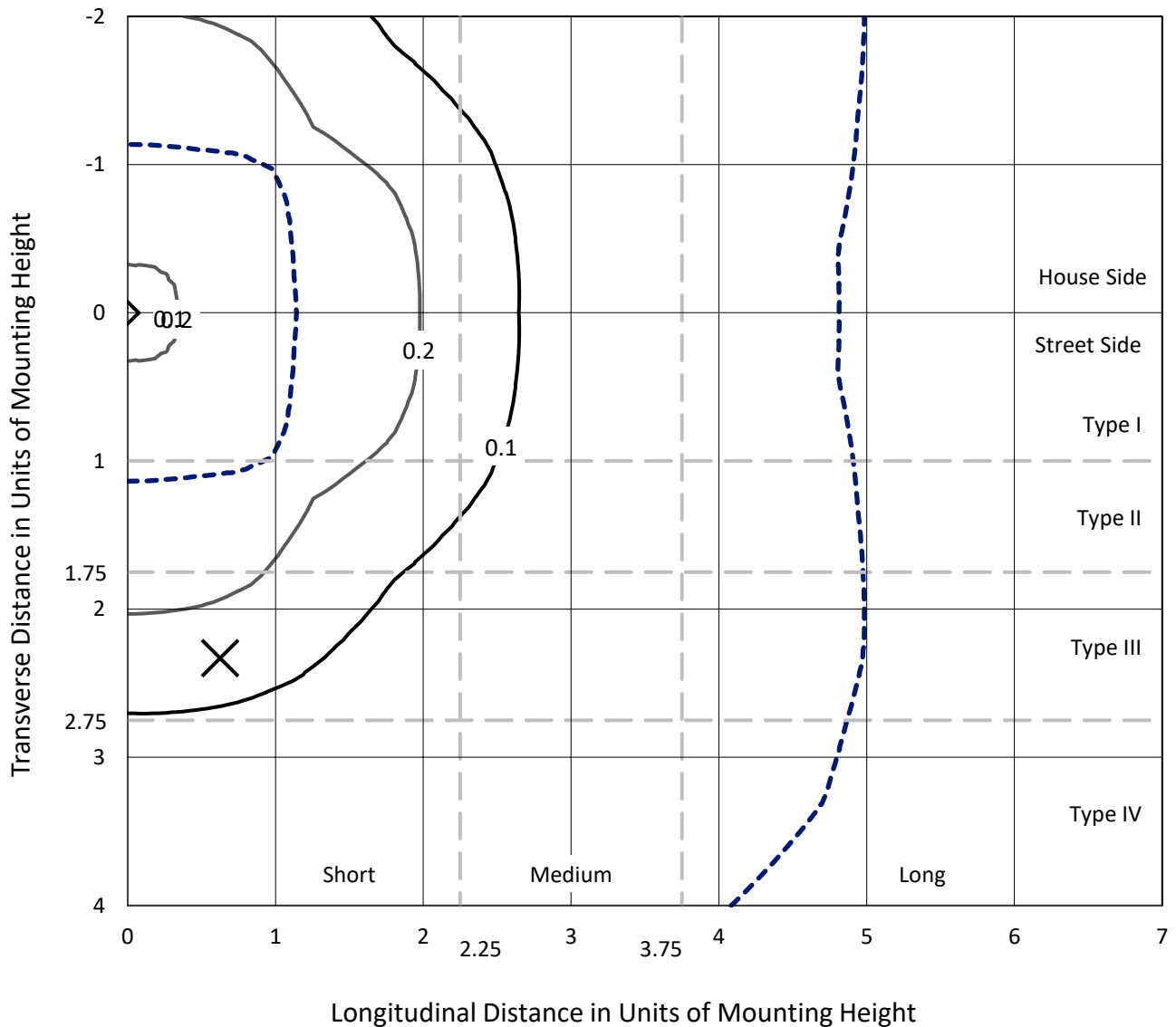
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

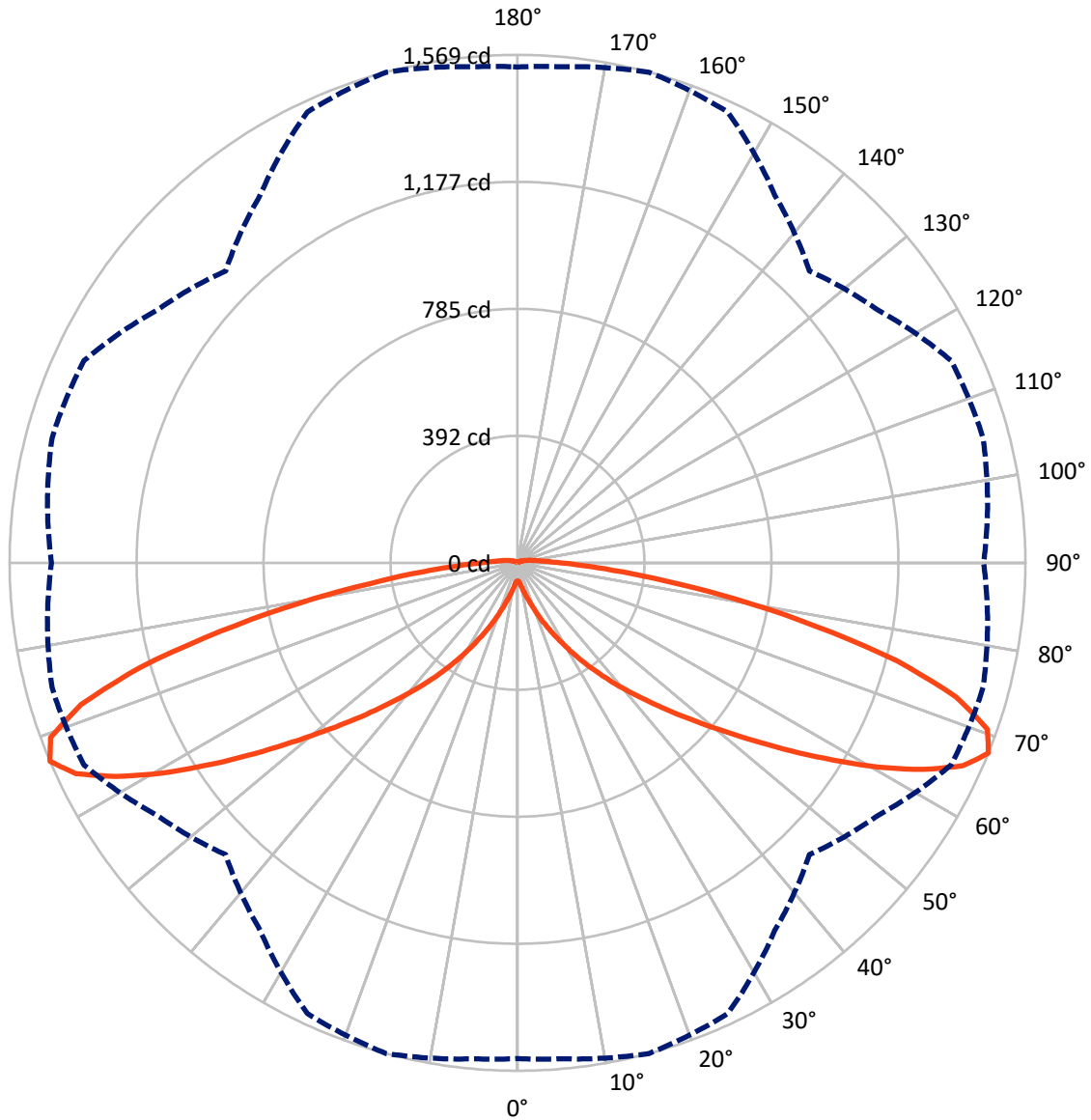
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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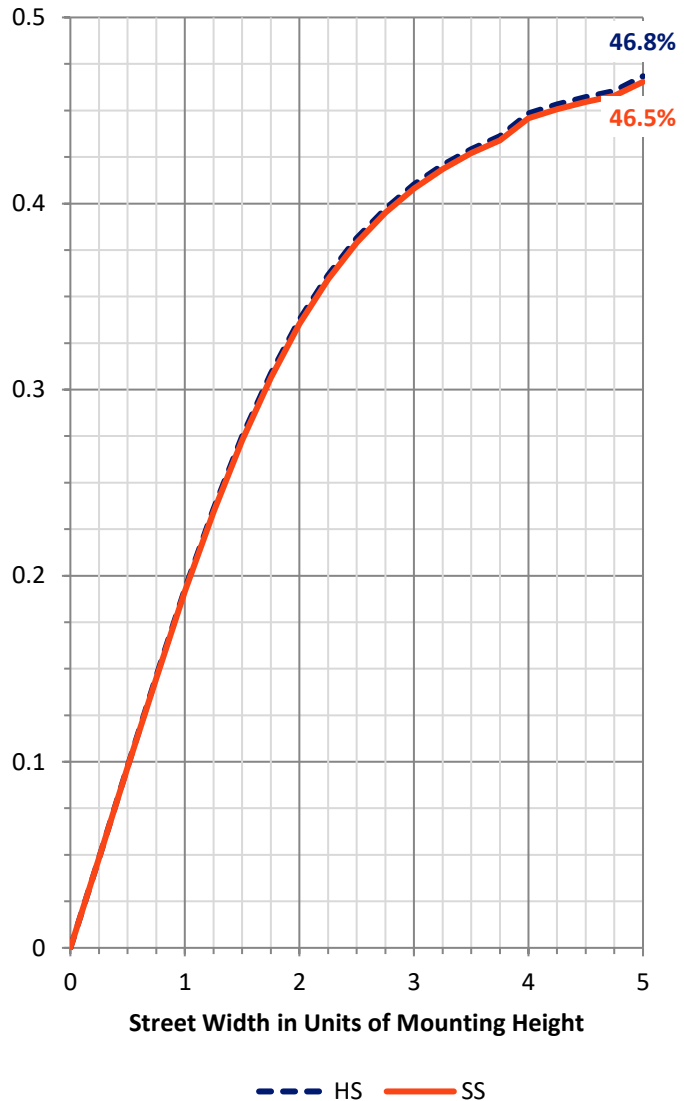
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2349.5 | 78.0 | 2427.5 |
| | % Fixture | 48.4 | 1.6 | 50.0 |
| Street Side | Lumens | 2349.5 | 78.0 | 2427.5 |
| | % Fixture | 48.4 | 1.6 | 50.0 |
| Total | Lumens | 4698.9 | 156.0 | 4855.0 |
| | % Fixture | 96.8 | 3.2 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.4 | 0.1 |
| 10°-20° | 32.9 | 0.7 |
| 20°-30° | 103.4 | 2.1 |
| 30°-40° | 243.0 | 5.0 |
| 40°-50° | 473.9 | 9.8 |
| 50°-60° | 867.0 | 17.9 |
| 60°-70° | 1362.5 | 28.1 |
| 70°-80° | 1201.2 | 24.7 |
| 80°-90° | 408.6 | 8.4 |
| 90°-100° | 91.5 | 1.9 |
| 100°-110° | 35.1 | 0.7 |
| 110°-120° | 15.5 | 0.3 |
| 120°-130° | 7.7 | 0.2 |
| 130°-140° | 4.2 | 0.1 |
| 140°-150° | 1.9 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 4698.9 | 96.8 |
| 0°-180° | 4855.0 | 100.0 |

Coefficient of Utilization



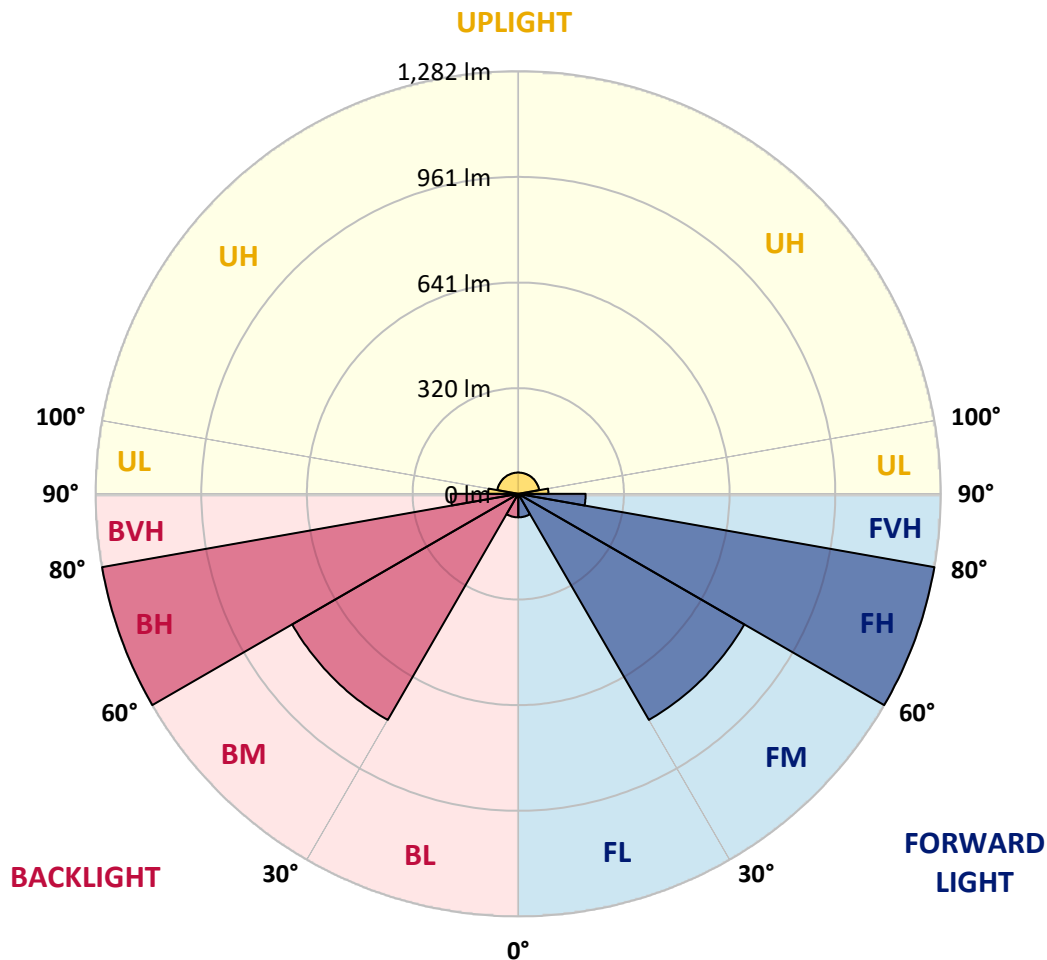
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 71.4 | 1.5 | | | |
| FM (30°-60°) | 792.0 | 16.3 | | | |
| FH (60°-80°) | 1281.8 | 26.4 | | | G1/1800 |
| FVH (80°-90°) | 204.3 | 4.2 | | | G2/225 |
| BL (0°-30°) | 71.4 | 1.5 | B0/110 | | |
| BM (30°-60°) | 792.0 | 16.3 | B1/1000 | | |
| BH (60°-80°) | 1281.8 | 26.4 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 204.3 | 4.2 | | | G2/225 |
| UL (90°-100°) | 91.5 | 1.9 | | U3/500 | |
| UH (100°-180°) | 64.5 | 1.3 | | U3/500 | |

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 2.5° | 57.2 | 57.2 | 57.2 | 57.2 | 58.8 | 58.8 | 58.8 | 57.2 | 57.2 | 57.2 | 57.2 |
| 5° | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 60.5 |
| 7.5° | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 70.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 10° | 80.1 | 80.1 | 80.1 | 80.1 | 78.5 | 78.5 | 78.5 | 78.5 | 76.8 | 78.5 | 76.8 |
| 12.5° | 94.8 | 94.8 | 94.8 | 93.2 | 91.5 | 91.5 | 91.5 | 89.9 | 91.5 | 91.5 | 91.5 |
| 15° | 114.4 | 114.4 | 112.8 | 111.1 | 107.9 | 106.2 | 107.9 | 107.9 | 107.9 | 109.5 | 109.5 |
| 17.5° | 135.7 | 137.3 | 134.0 | 130.8 | 127.5 | 127.5 | 125.9 | 127.5 | 130.8 | 132.4 | 132.4 |
| 20° | 166.7 | 165.1 | 160.2 | 155.3 | 150.4 | 148.7 | 148.7 | 153.6 | 156.9 | 158.5 | 160.2 |
| 22.5° | 197.8 | 197.8 | 192.9 | 183.1 | 176.5 | 173.3 | 174.9 | 179.8 | 188.0 | 194.5 | 194.5 |
| 25° | 237.0 | 233.7 | 227.2 | 214.1 | 204.3 | 201.0 | 202.7 | 210.9 | 223.9 | 228.8 | 232.1 |
| 27.5° | 276.2 | 274.6 | 264.8 | 250.1 | 235.4 | 228.8 | 233.7 | 248.4 | 263.2 | 273.0 | 276.2 |
| 30° | 322.0 | 320.4 | 308.9 | 289.3 | 269.7 | 259.9 | 268.1 | 286.0 | 308.9 | 320.4 | 323.6 |
| 32.5° | 372.7 | 371.0 | 356.3 | 330.2 | 304.0 | 294.2 | 304.0 | 330.2 | 356.3 | 371.0 | 372.7 |
| 35° | 426.6 | 421.7 | 405.4 | 375.9 | 341.6 | 328.5 | 341.6 | 375.9 | 407.0 | 426.6 | 428.2 |
| 37.5° | 480.5 | 477.3 | 459.3 | 425.0 | 384.1 | 367.8 | 382.5 | 426.6 | 460.9 | 483.8 | 478.9 |
| 40° | 536.1 | 534.5 | 516.5 | 475.6 | 429.9 | 408.6 | 431.5 | 475.6 | 518.1 | 542.7 | 544.3 |
| 42.5° | 599.9 | 599.9 | 577.0 | 534.5 | 478.9 | 454.4 | 478.9 | 536.1 | 583.5 | 603.1 | 604.8 |
| 45° | 670.1 | 665.2 | 647.3 | 601.5 | 537.7 | 508.3 | 537.7 | 601.5 | 648.9 | 671.8 | 670.1 |
| 47.5° | 743.7 | 740.4 | 724.1 | 678.3 | 603.1 | 572.1 | 601.5 | 675.0 | 724.1 | 740.4 | 740.4 |
| 50° | 828.7 | 825.4 | 810.7 | 763.3 | 681.6 | 644.0 | 683.2 | 756.8 | 810.7 | 825.4 | 820.5 |
| 52.5° | 926.8 | 917.0 | 910.4 | 864.6 | 776.4 | 727.4 | 769.8 | 858.1 | 907.1 | 910.4 | 910.4 |
| 55° | 1023.2 | 1029.7 | 1024.8 | 975.8 | 877.7 | 818.9 | 871.2 | 967.6 | 1011.8 | 1018.3 | 1010.1 |
| 57.5° | 1145.8 | 1152.3 | 1149.1 | 1098.4 | 992.1 | 921.9 | 980.7 | 1086.9 | 1124.5 | 1122.9 | 1121.3 |
| 60° | 1281.4 | 1284.7 | 1281.4 | 1237.3 | 1119.6 | 1031.4 | 1101.7 | 1212.8 | 1248.8 | 1238.9 | 1230.8 |
| 62.5° | 1400.8 | 1404.0 | 1405.7 | 1373.0 | 1232.4 | 1134.3 | 1206.3 | 1332.1 | 1359.9 | 1343.6 | 1338.7 |
| 65° | 1497.2 | 1495.6 | 1511.9 | 1477.6 | 1328.8 | 1219.3 | 1301.1 | 1433.5 | 1449.8 | 1423.6 | 1415.5 |
| 67.5° | 1531.5 | 1538.1 | 1569.1 | 1536.4 | 1386.1 | 1274.9 | 1359.9 | 1477.6 | 1489.0 | 1456.3 | 1440.0 |
| 70° | 1487.4 | 1502.1 | 1539.7 | 1523.4 | 1386.1 | 1283.1 | 1361.5 | 1464.5 | 1459.6 | 1418.7 | 1402.4 |
| 72.5° | 1366.4 | 1369.7 | 1417.1 | 1425.3 | 1323.9 | 1238.9 | 1299.4 | 1373.0 | 1348.5 | 1292.9 | 1288.0 |
| 75° | 1152.3 | 1152.3 | 1211.2 | 1247.1 | 1191.5 | 1122.9 | 1170.3 | 1203.0 | 1165.4 | 1100.0 | 1091.8 |
| 77.5° | 882.6 | 892.4 | 941.5 | 1019.9 | 1006.9 | 974.2 | 995.4 | 1001.9 | 923.5 | 854.8 | 856.5 |
| 80° | 621.1 | 634.2 | 686.5 | 766.6 | 789.5 | 787.8 | 792.7 | 750.2 | 676.7 | 621.1 | 612.9 |
| 82.5° | 416.8 | 410.3 | 459.3 | 531.2 | 585.2 | 595.0 | 591.7 | 532.8 | 460.9 | 408.6 | 402.1 |
| 85° | 253.3 | 255.0 | 294.2 | 353.1 | 402.1 | 426.6 | 408.6 | 356.3 | 290.9 | 256.6 | 255.0 |
| 87.5° | 156.9 | 160.2 | 183.1 | 222.3 | 273.0 | 295.8 | 276.2 | 230.5 | 183.1 | 158.5 | 156.9 |
| 90° | 106.2 | 106.2 | 121.0 | 145.5 | 179.8 | 202.7 | 184.7 | 148.7 | 121.0 | 106.2 | 104.6 |
| 92.5° | 76.8 | 80.1 | 85.0 | 101.3 | 125.9 | 140.6 | 127.5 | 101.3 | 85.0 | 76.8 | 75.2 |
| 95° | 60.5 | 60.5 | 65.4 | 73.6 | 91.5 | 101.3 | 91.5 | 75.2 | 65.4 | 58.8 | 58.8 |
| 97.5° | 47.4 | 49.0 | 52.3 | 58.8 | 70.3 | 76.8 | 70.3 | 58.8 | 52.3 | 47.4 | 45.8 |
| 100° | 37.6 | 39.2 | 42.5 | 49.0 | 57.2 | 60.5 | 57.2 | 49.0 | 42.5 | 37.6 | 37.6 |
| 102.5° | 29.4 | 31.1 | 34.3 | 40.9 | 47.4 | 49.0 | 47.4 | 39.2 | 34.3 | 29.4 | 29.4 |
| 105° | 22.9 | 22.9 | 27.8 | 34.3 | 39.2 | 40.9 | 39.2 | 32.7 | 27.8 | 22.9 | 22.9 |
| 107.5° | 18.0 | 18.0 | 22.9 | 27.8 | 32.7 | 34.3 | 32.7 | 27.8 | 21.2 | 18.0 | 18.0 |
| 110° | 14.7 | 14.7 | 18.0 | 22.9 | 27.8 | 29.4 | 27.8 | 22.9 | 18.0 | 14.7 | 14.7 |

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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 11.4 | 11.4 | 14.7 | 19.6 | 22.9 | 24.5 | 22.9 | 19.6 | 14.7 | 11.4 | 11.4 |
| 115° | 9.8 | 9.8 | 11.4 | 16.3 | 19.6 | 21.2 | 19.6 | 16.3 | 11.4 | 9.8 | 9.8 |
| 117.5° | 8.2 | 8.2 | 9.8 | 13.1 | 16.3 | 18.0 | 16.3 | 13.1 | 9.8 | 8.2 | 8.2 |
| 120° | 8.2 | 8.2 | 8.2 | 11.4 | 14.7 | 16.3 | 14.7 | 11.4 | 8.2 | 8.2 | 8.2 |
| 122.5° | 6.5 | 6.5 | 8.2 | 9.8 | 13.1 | 13.1 | 11.4 | 9.8 | 8.2 | 6.5 | 6.5 |
| 125° | 6.5 | 6.5 | 6.5 | 8.2 | 9.8 | 11.4 | 9.8 | 8.2 | 6.5 | 6.5 | 6.5 |
| 127.5° | 6.5 | 6.5 | 6.5 | 6.5 | 9.8 | 9.8 | 9.8 | 6.5 | 6.5 | 6.5 | 6.5 |
| 130° | 4.9 | 4.9 | 4.9 | 6.5 | 8.2 | 8.2 | 8.2 | 6.5 | 6.5 | 4.9 | 6.5 |
| 132.5° | 4.9 | 4.9 | 4.9 | 6.5 | 6.5 | 8.2 | 6.5 | 6.5 | 4.9 | 4.9 | 4.9 |
| 135° | 4.9 | 4.9 | 4.9 | 4.9 | 6.5 | 6.5 | 6.5 | 4.9 | 4.9 | 4.9 | 4.9 |
| 137.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 140° | 3.3 | 3.3 | 3.3 | 3.3 | 4.9 | 4.9 | 4.9 | 3.3 | 3.3 | 4.9 | 3.3 |
| 142.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 145° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 147.5° | 1.6 | 3.3 | 1.6 | 1.6 | 1.6 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 150° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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)