

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: FAIL-SAFE

Report Number: P241320

Luminaire Tested: **FVS8M-2-LD4-50-1HI-P125-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-410-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1
Description: FAILSAFE FVS8M LED FIXTURE
2FT LENGTH, 1-MODULE LED WITH P125 LENS
Light Source: (42) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

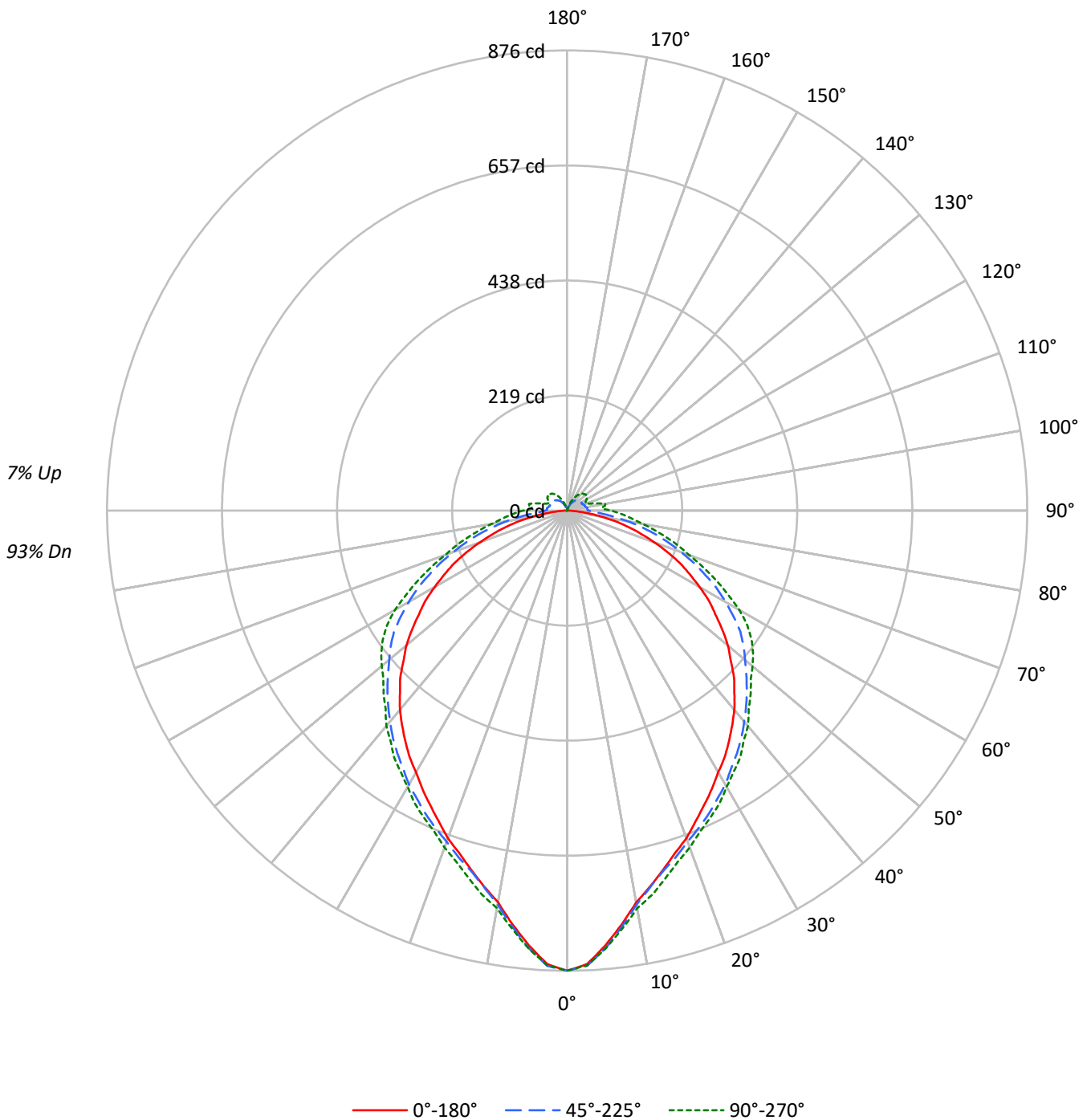
Lumens per Lamp: N/A
Luminaire Lumens: 2333.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 1.04 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 1.85' x H: 0.15')
CIE Type: Direct

Input Watts (W): 22.3
Input Voltage (V): 120
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: 25 FT

TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

Luminous Intensity Polar Plot





TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|---|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 | | | | | 93 | | | |
| 1 | 106 | 101 | 97 | 93 | 103 | 98 | 94 | 90 | 93 | 89 | 86 | 88 | 85 | 82 | 83 | 81 | 79 | 76 | | | | | 76 | | | |
| 2 | 96 | 88 | 81 | 75 | 93 | 85 | 79 | 73 | 81 | 75 | 71 | 76 | 72 | 68 | 72 | 69 | 65 | 63 | | | | | 63 | | | |
| 3 | 88 | 77 | 68 | 62 | 85 | 75 | 67 | 61 | 71 | 64 | 59 | 67 | 62 | 57 | 64 | 59 | 55 | 53 | | | | | 53 | | | |
| 4 | 80 | 68 | 59 | 52 | 77 | 66 | 58 | 51 | 63 | 56 | 50 | 60 | 53 | 49 | 57 | 51 | 47 | 45 | | | | | 45 | | | |
| 5 | 74 | 61 | 51 | 45 | 71 | 59 | 51 | 44 | 56 | 49 | 43 | 53 | 47 | 42 | 51 | 45 | 41 | 39 | | | | | 39 | | | |
| 6 | 68 | 55 | 45 | 39 | 66 | 53 | 45 | 39 | 51 | 43 | 38 | 48 | 42 | 37 | 46 | 40 | 36 | 34 | | | | | 34 | | | |
| 7 | 63 | 49 | 41 | 34 | 61 | 48 | 40 | 34 | 46 | 39 | 33 | 44 | 37 | 33 | 42 | 36 | 32 | 30 | | | | | 30 | | | |
| 8 | 59 | 45 | 36 | 31 | 57 | 44 | 36 | 30 | 42 | 35 | 30 | 40 | 34 | 29 | 39 | 33 | 29 | 27 | | | | | 27 | | | |
| 9 | 55 | 41 | 33 | 28 | 53 | 40 | 33 | 27 | 39 | 32 | 27 | 37 | 31 | 26 | 36 | 30 | 26 | 24 | | | | | 24 | | | |
| 10 | 51 | 38 | 30 | 25 | 50 | 37 | 30 | 25 | 36 | 29 | 24 | 35 | 28 | 24 | 33 | 28 | 23 | 22 | | | | | 22 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7871 | 7871 | 7871 |
| 5° | 7447 | 7406 | 7408 |
| 10° | 6817 | 6695 | 6747 |
| 15° | 6445 | 6241 | 6352 |
| 20° | 6171 | 5950 | 6031 |
| 25° | 5911 | 5747 | 5786 |
| 30° | 5711 | 5559 | 5577 |
| 35° | 5582 | 5375 | 5440 |
| 40° | 5450 | 5210 | 5284 |
| 45° | 5295 | 5059 | 5123 |
| 50° | 5107 | 4919 | 5076 |
| 55° | 4851 | 4824 | 5078 |
| 60° | 4607 | 4562 | 4893 |
| 65° | 4315 | 4223 | 4471 |
| 70° | 3821 | 3813 | 3998 |
| 75° | 3238 | 3345 | 3666 |
| 80° | 2345 | 2715 | 3305 |
| 85° | 1184 | 1985 | 3206 |



TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.4 | 3.3 |
| 10°-20° | 201.2 | 8.6 |
| 20°-30° | 293.0 | 12.6 |
| 30°-40° | 350.8 | 15.0 |
| 40°-50° | 369.0 | 15.8 |
| 50°-60° | 351.1 | 15.0 |
| 60°-70° | 278.8 | 12.0 |
| 70°-80° | 175.5 | 7.5 |
| 80°-90° | 76.3 | 3.3 |
| 90°-100° | 39.0 | 1.7 |
| 100°-110° | 33.1 | 1.4 |
| 110°-120° | 25.7 | 1.1 |
| 120°-130° | 24.2 | 1.0 |
| 130°-140° | 19.3 | 0.8 |
| 140°-150° | 12.4 | 0.5 |
| 150°-160° | 5.2 | 0.2 |
| 160°-170° | 0.9 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 571.6 | 24.5 |
| 0°-40° | 922.4 | 39.5 |
| 0°-60° | 1642.5 | 70.4 |
| 0°-90° | 2173.1 | 93.1 |
| 90°-120° | 97.8 | 4.2 |
| 90°-150° | 153.7 | 6.6 |
| 90°-180° | 160.0 | 6.9 |
| 0°-180° | 2333.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 876 | 876 | 876 | 876 | 876 | |
| 5° | 831 | 836 | 836 | 838 | 837 | 77 |
| 15° | 707 | 707 | 709 | 717 | 724 | 199 |
| 25° | 618 | 626 | 638 | 646 | 645 | 285 |
| 35° | 537 | 551 | 564 | 573 | 574 | 336 |
| 45° | 449 | 459 | 484 | 492 | 494 | 346 |
| 55° | 344 | 365 | 402 | 425 | 428 | 309 |
| 65° | 237 | 257 | 290 | 306 | 312 | 233 |
| 75° | 121 | 141 | 174 | 191 | 194 | 127 |
| 85° | 22 | 40 | 67 | 93 | 111 | 27 |
| 90° | 0 | 17 | 41 | 64 | 83 | 1 |
| 95° | 0 | 16 | 38 | 51 | 67 | 0 |
| 105° | 0 | 16 | 34 | 49 | 52 | 0 |
| 115° | 0 | 15 | 31 | 36 | 38 | 0 |
| 125° | 0 | 14 | 31 | 42 | 46 | 0 |
| 135° | 0 | 10 | 28 | 40 | 45 | 0 |
| 145° | 0 | 7 | 22 | 32 | 36 | 0 |
| 155° | 0 | 3 | 11 | 19 | 21 | 0 |
| 165° | 0 | 0 | 2 | 5 | 6 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 |
| 2.5° | 864.3 | 865.3 | 864.3 | 865.3 | 866.4 | 867.4 | 866.4 | 867.4 | 867.4 | 868.4 | 867.4 |
| 5° | 831.0 | 832.0 | 833.1 | 835.2 | 836.2 | 836.2 | 835.2 | 836.2 | 836.2 | 835.2 | 836.2 |
| 7.5° | 794.6 | 793.6 | 794.6 | 795.6 | 795.6 | 796.7 | 796.7 | 794.6 | 795.6 | 795.6 | 798.8 |
| 10° | 757.2 | 758.2 | 757.2 | 758.2 | 757.2 | 757.2 | 757.2 | 758.2 | 758.2 | 759.2 | 761.3 |
| 12.5° | 732.2 | 732.2 | 730.1 | 730.1 | 731.2 | 731.2 | 731.2 | 731.2 | 730.1 | 732.2 | 733.2 |
| 15° | 707.2 | 710.4 | 708.3 | 709.3 | 707.2 | 707.2 | 706.2 | 706.2 | 707.2 | 705.2 | 709.3 |
| 17.5° | 683.3 | 686.4 | 685.4 | 686.4 | 686.4 | 684.4 | 684.4 | 685.4 | 686.4 | 686.4 | 690.6 |
| 20° | 663.6 | 663.6 | 663.6 | 665.6 | 666.7 | 667.7 | 666.7 | 666.7 | 668.8 | 669.8 | 670.8 |
| 22.5° | 639.6 | 640.7 | 644.8 | 644.8 | 643.8 | 645.9 | 644.8 | 648.0 | 650.0 | 651.1 | 654.2 |
| 25° | 617.8 | 622.0 | 623.0 | 622.0 | 625.1 | 626.1 | 627.2 | 632.4 | 631.3 | 633.4 | 637.6 |
| 27.5° | 597.0 | 599.1 | 602.2 | 604.3 | 607.4 | 605.3 | 607.4 | 610.5 | 609.5 | 617.8 | 618.8 |
| 30° | 575.2 | 580.4 | 581.4 | 584.5 | 584.5 | 584.5 | 589.7 | 590.8 | 596.0 | 598.0 | 602.2 |
| 32.5° | 557.5 | 558.5 | 561.6 | 564.8 | 565.8 | 568.9 | 571.0 | 573.1 | 576.2 | 578.3 | 581.4 |
| 35° | 536.7 | 540.8 | 539.8 | 542.9 | 546.0 | 551.2 | 551.2 | 553.3 | 555.4 | 561.6 | 563.7 |
| 37.5° | 515.9 | 519.0 | 519.0 | 524.2 | 526.3 | 529.4 | 526.3 | 535.6 | 538.7 | 541.9 | 545.0 |
| 40° | 495.1 | 497.1 | 499.2 | 501.3 | 503.4 | 505.5 | 508.6 | 513.8 | 517.9 | 521.1 | 524.2 |
| 42.5° | 471.1 | 474.3 | 476.3 | 478.4 | 482.6 | 484.7 | 487.8 | 490.9 | 497.1 | 500.3 | 504.4 |
| 45° | 449.3 | 451.4 | 453.5 | 455.5 | 459.7 | 458.7 | 463.9 | 470.1 | 476.3 | 479.5 | 483.6 |
| 47.5° | 422.3 | 426.4 | 430.6 | 431.6 | 434.7 | 438.9 | 441.0 | 448.3 | 454.5 | 456.6 | 462.8 |
| 50° | 399.4 | 399.4 | 404.6 | 407.7 | 410.8 | 416.0 | 418.1 | 424.3 | 431.6 | 437.9 | 442.0 |
| 52.5° | 372.3 | 375.5 | 378.6 | 382.7 | 387.9 | 391.1 | 394.2 | 401.5 | 410.8 | 419.1 | 423.3 |
| 55° | 344.3 | 347.4 | 352.6 | 356.7 | 361.9 | 365.1 | 370.3 | 378.6 | 386.9 | 394.2 | 402.5 |
| 57.5° | 320.3 | 320.3 | 323.5 | 328.7 | 334.9 | 339.1 | 343.2 | 352.6 | 363.0 | 366.1 | 375.5 |
| 60° | 291.2 | 294.3 | 297.5 | 302.7 | 308.9 | 313.1 | 316.2 | 325.5 | 333.9 | 342.2 | 348.4 |
| 62.5° | 263.1 | 266.3 | 269.4 | 274.6 | 281.9 | 286.0 | 289.1 | 297.5 | 306.8 | 313.1 | 321.4 |
| 65° | 237.1 | 236.1 | 240.3 | 246.5 | 253.8 | 256.9 | 260.0 | 269.4 | 276.7 | 282.9 | 290.2 |
| 67.5° | 207.0 | 210.1 | 213.2 | 218.4 | 224.7 | 228.8 | 231.9 | 240.3 | 246.5 | 253.8 | 261.1 |
| 70° | 176.8 | 179.9 | 183.0 | 190.3 | 196.6 | 198.7 | 201.8 | 210.1 | 215.3 | 225.7 | 230.9 |
| 72.5° | 147.7 | 150.8 | 155.0 | 160.2 | 167.4 | 169.5 | 173.7 | 179.9 | 188.3 | 195.5 | 201.8 |
| 75° | 120.6 | 123.8 | 125.8 | 131.0 | 137.3 | 141.4 | 144.6 | 151.8 | 159.1 | 166.4 | 173.7 |
| 77.5° | 93.6 | 95.7 | 98.8 | 104.0 | 109.2 | 113.4 | 115.4 | 122.7 | 130.0 | 137.3 | 144.6 |
| 80° | 65.5 | 68.6 | 71.8 | 77.0 | 82.2 | 86.3 | 89.4 | 96.7 | 103.0 | 110.2 | 116.5 |
| 82.5° | 41.6 | 43.7 | 47.8 | 53.0 | 58.2 | 60.3 | 64.5 | 69.7 | 77.0 | 83.2 | 89.4 |
| 85° | 21.8 | 23.9 | 27.0 | 31.2 | 37.4 | 39.5 | 42.6 | 47.8 | 54.1 | 60.3 | 66.6 |
| 87.5° | 8.3 | 9.4 | 12.5 | 16.6 | 20.8 | 23.9 | 27.0 | 32.2 | 37.4 | 43.7 | 49.9 |
| 90° | 0.0 | 2.1 | 5.2 | 9.4 | 13.5 | 16.6 | 18.7 | 23.9 | 29.1 | 34.3 | 40.6 |
| 92.5° | 0.0 | 1.0 | 4.2 | 8.3 | 13.5 | 15.6 | 17.7 | 22.9 | 28.1 | 33.3 | 38.5 |
| 95° | 0.0 | 1.0 | 4.2 | 8.3 | 13.5 | 15.6 | 17.7 | 22.9 | 28.1 | 33.3 | 38.5 |
| 97.5° | 0.0 | 1.0 | 4.2 | 8.3 | 13.5 | 15.6 | 17.7 | 22.9 | 28.1 | 33.3 | 38.5 |
| 100° | 0.0 | 1.0 | 4.2 | 8.3 | 13.5 | 15.6 | 17.7 | 22.9 | 28.1 | 33.3 | 36.4 |
| 102.5° | 0.0 | 1.0 | 4.2 | 8.3 | 12.5 | 15.6 | 17.7 | 22.9 | 28.1 | 32.2 | 35.4 |
| 105° | 0.0 | 1.0 | 4.2 | 8.3 | 12.5 | 15.6 | 17.7 | 22.9 | 27.0 | 31.2 | 34.3 |
| 107.5° | 0.0 | 1.0 | 4.2 | 8.3 | 12.5 | 14.6 | 17.7 | 21.8 | 26.0 | 30.2 | 34.3 |
| 110° | 0.0 | 1.0 | 3.1 | 7.3 | 12.5 | 14.6 | 16.6 | 21.8 | 26.0 | 30.2 | 33.3 |



TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|------|-------|------|------|------|------|------|
| 112.5° | 0.0 | 1.0 | 3.1 | 7.3 | 12.5 | 14.6 | 16.6 | 21.8 | 25.0 | 29.1 | 32.2 |
| 115° | 0.0 | 1.0 | 3.1 | 7.3 | 11.4 | 14.6 | 16.6 | 20.8 | 25.0 | 28.1 | 31.2 |
| 117.5° | 0.0 | 1.0 | 3.1 | 7.3 | 11.4 | 14.6 | 16.6 | 20.8 | 25.0 | 28.1 | 31.2 |
| 120° | 0.0 | 0.0 | 3.1 | 7.3 | 11.4 | 13.5 | 16.6 | 20.8 | 25.0 | 28.1 | 31.2 |
| 122.5° | 0.0 | 0.0 | 3.1 | 7.3 | 11.4 | 13.5 | 16.6 | 20.8 | 25.0 | 28.1 | 31.2 |
| 125° | 0.0 | 0.0 | 3.1 | 6.2 | 11.4 | 13.5 | 15.6 | 20.8 | 23.9 | 28.1 | 31.2 |
| 127.5° | 0.0 | 0.0 | 2.1 | 6.2 | 10.4 | 12.5 | 15.6 | 19.8 | 23.9 | 28.1 | 31.2 |
| 130° | 0.0 | 0.0 | 2.1 | 6.2 | 9.4 | 12.5 | 14.6 | 19.8 | 22.9 | 27.0 | 30.2 |
| 132.5° | 0.0 | 0.0 | 2.1 | 5.2 | 9.4 | 11.4 | 13.5 | 18.7 | 22.9 | 26.0 | 29.1 |
| 135° | 0.0 | 0.0 | 2.1 | 5.2 | 8.3 | 10.4 | 12.5 | 16.6 | 20.8 | 25.0 | 28.1 |
| 137.5° | 0.0 | 0.0 | 1.0 | 4.2 | 8.3 | 9.4 | 11.4 | 15.6 | 19.8 | 22.9 | 26.0 |
| 140° | 0.0 | 0.0 | 1.0 | 4.2 | 7.3 | 9.4 | 11.4 | 14.6 | 18.7 | 21.8 | 25.0 |
| 142.5° | 0.0 | 0.0 | 1.0 | 3.1 | 6.2 | 8.3 | 10.4 | 13.5 | 16.6 | 20.8 | 23.9 |
| 145° | 0.0 | 0.0 | 1.0 | 3.1 | 5.2 | 7.3 | 9.4 | 12.5 | 15.6 | 18.7 | 21.8 |
| 147.5° | 0.0 | 0.0 | 1.0 | 2.1 | 4.2 | 6.2 | 7.3 | 11.4 | 13.5 | 16.6 | 19.8 |
| 150° | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 5.2 | 6.2 | 9.4 | 12.5 | 14.6 | 17.7 |
| 152.5° | 0.0 | 0.0 | 0.0 | 1.0 | 3.1 | 4.2 | 5.2 | 7.3 | 9.4 | 12.5 | 14.6 |
| 155° | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 3.1 | 4.2 | 5.2 | 7.3 | 9.4 | 11.4 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.1 | 2.1 | 4.2 | 5.2 | 7.3 | 9.4 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 2.1 | 4.2 | 5.2 | 6.2 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 2.1 | 2.1 | 3.1 | 4.2 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 2.1 | 2.1 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
| 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 |



TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 | 875.7 |
| 2.5° | 867.4 | 867.4 | 867.4 | 866.4 | 866.4 | 866.4 | 866.4 | 866.4 | 867.4 | 866.4 |
| 5° | 837.2 | 837.2 | 836.2 | 837.2 | 838.3 | 837.2 | 838.3 | 837.2 | 837.2 | 837.2 |
| 7.5° | 799.8 | 799.8 | 799.8 | 799.8 | 800.8 | 800.8 | 800.8 | 801.9 | 802.9 | 802.9 |
| 10° | 762.4 | 763.4 | 763.4 | 763.4 | 763.4 | 765.5 | 766.5 | 766.5 | 767.6 | 768.6 |
| 12.5° | 734.3 | 734.3 | 737.4 | 741.6 | 742.6 | 744.7 | 746.8 | 745.7 | 745.7 | 748.8 |
| 15° | 711.4 | 714.5 | 715.6 | 715.6 | 716.6 | 717.6 | 720.8 | 721.8 | 720.8 | 723.9 |
| 17.5° | 691.6 | 691.6 | 696.8 | 697.9 | 697.9 | 698.9 | 698.9 | 700.0 | 700.0 | 701.0 |
| 20° | 674.0 | 675.0 | 677.1 | 678.1 | 680.2 | 681.2 | 683.3 | 682.3 | 684.4 | 682.3 |
| 22.5° | 655.2 | 656.3 | 662.5 | 663.6 | 663.6 | 662.5 | 660.4 | 662.5 | 662.5 | 661.5 |
| 25° | 638.6 | 641.7 | 643.8 | 646.9 | 645.9 | 646.9 | 648.0 | 645.9 | 644.8 | 644.8 |
| 27.5° | 620.9 | 623.0 | 627.2 | 628.2 | 628.2 | 626.1 | 626.1 | 626.1 | 625.1 | 628.2 |
| 30° | 605.3 | 609.5 | 610.5 | 607.4 | 608.4 | 611.6 | 612.6 | 611.6 | 609.5 | 607.4 |
| 32.5° | 584.5 | 586.6 | 589.7 | 597.0 | 596.0 | 594.9 | 589.7 | 588.7 | 588.7 | 589.7 |
| 35° | 565.8 | 570.0 | 575.2 | 572.0 | 573.1 | 573.1 | 575.2 | 574.1 | 570.0 | 574.1 |
| 37.5° | 547.1 | 553.3 | 553.3 | 558.5 | 556.4 | 554.4 | 551.2 | 553.3 | 552.3 | 552.3 |
| 40° | 527.3 | 530.4 | 535.6 | 534.6 | 533.5 | 535.6 | 535.6 | 535.6 | 535.6 | 535.6 |
| 42.5° | 507.5 | 511.7 | 511.7 | 512.7 | 516.9 | 517.9 | 516.9 | 509.6 | 512.7 | 511.7 |
| 45° | 485.7 | 489.9 | 491.9 | 494.0 | 491.9 | 490.9 | 493.0 | 494.0 | 491.9 | 494.0 |
| 47.5° | 467.0 | 467.0 | 473.2 | 472.2 | 472.2 | 474.3 | 472.2 | 472.2 | 471.1 | 474.3 |
| 50° | 446.2 | 452.4 | 453.5 | 456.6 | 456.6 | 455.5 | 455.5 | 456.6 | 460.7 | 460.7 |
| 52.5° | 429.5 | 435.8 | 439.9 | 441.0 | 441.0 | 444.1 | 447.2 | 446.2 | 448.3 | 446.2 |
| 55° | 408.7 | 412.9 | 418.1 | 421.2 | 425.4 | 425.4 | 425.4 | 427.5 | 427.5 | 428.5 |
| 57.5° | 382.7 | 386.9 | 390.0 | 397.3 | 399.4 | 398.3 | 399.4 | 403.5 | 402.5 | 406.7 |
| 60° | 354.7 | 359.9 | 364.0 | 365.1 | 367.1 | 369.2 | 370.3 | 372.3 | 374.4 | 378.6 |
| 62.5° | 325.5 | 329.7 | 334.9 | 333.9 | 335.9 | 338.0 | 340.1 | 341.1 | 345.3 | 344.3 |
| 65° | 296.4 | 299.5 | 302.7 | 303.7 | 305.8 | 303.7 | 307.9 | 309.9 | 309.9 | 312.0 |
| 67.5° | 267.3 | 269.4 | 273.5 | 274.6 | 275.6 | 275.6 | 274.6 | 277.7 | 278.7 | 278.7 |
| 70° | 236.1 | 241.3 | 244.4 | 246.5 | 245.5 | 246.5 | 245.5 | 245.5 | 247.5 | 246.5 |
| 72.5° | 208.0 | 212.2 | 215.3 | 218.4 | 218.4 | 218.4 | 218.4 | 219.5 | 220.5 | 221.5 |
| 75° | 178.9 | 184.1 | 189.3 | 190.3 | 191.4 | 191.4 | 193.5 | 194.5 | 194.5 | 194.5 |
| 77.5° | 149.8 | 156.0 | 160.2 | 163.3 | 164.3 | 166.4 | 167.4 | 169.5 | 169.5 | 169.5 |
| 80° | 121.7 | 127.9 | 132.1 | 137.3 | 139.4 | 140.4 | 142.5 | 145.6 | 145.6 | 145.6 |
| 82.5° | 95.7 | 101.9 | 108.2 | 111.3 | 114.4 | 117.5 | 120.6 | 122.7 | 124.8 | 126.9 |
| 85° | 71.8 | 79.0 | 85.3 | 90.5 | 92.6 | 94.6 | 98.8 | 104.0 | 109.2 | 111.3 |
| 87.5° | 56.2 | 61.4 | 67.6 | 72.8 | 75.9 | 79.0 | 84.2 | 88.4 | 94.6 | 97.8 |
| 90° | 45.8 | 51.0 | 57.2 | 63.4 | 64.5 | 66.6 | 69.7 | 74.9 | 79.0 | 83.2 |
| 92.5° | 43.7 | 48.9 | 53.0 | 54.1 | 55.1 | 56.2 | 58.2 | 61.4 | 65.5 | 69.7 |
| 95° | 44.7 | 46.8 | 47.8 | 49.9 | 51.0 | 53.0 | 55.1 | 59.3 | 64.5 | 66.6 |
| 97.5° | 41.6 | 43.7 | 46.8 | 49.9 | 51.0 | 53.0 | 57.2 | 63.4 | 69.7 | 72.8 |
| 100° | 39.5 | 43.7 | 46.8 | 49.9 | 52.0 | 54.1 | 60.3 | 67.6 | 72.8 | 73.8 |
| 102.5° | 39.5 | 42.6 | 45.8 | 49.9 | 52.0 | 54.1 | 59.3 | 62.4 | 62.4 | 62.4 |
| 105° | 38.5 | 41.6 | 44.7 | 47.8 | 48.9 | 49.9 | 52.0 | 52.0 | 52.0 | 52.0 |
| 107.5° | 37.4 | 39.5 | 42.6 | 43.7 | 43.7 | 44.7 | 44.7 | 44.7 | 44.7 | 43.7 |
| 110° | 35.4 | 37.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |



TEST NUMBER: P241320

CATALOG NUMBER: FVS8M-2-LD4-50-1HI-P125-UNV-EDC1

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 34.3 | 36.4 | 36.4 | 37.4 | 37.4 | 37.4 | 37.4 | 38.5 | 37.4 | 37.4 |
| 115° | 33.3 | 35.4 | 35.4 | 36.4 | 36.4 | 36.4 | 37.4 | 38.5 | 38.5 | 38.5 |
| 117.5° | 33.3 | 35.4 | 36.4 | 37.4 | 37.4 | 38.5 | 39.5 | 40.6 | 40.6 | 40.6 |
| 120° | 33.3 | 35.4 | 37.4 | 38.5 | 39.5 | 39.5 | 41.6 | 42.6 | 42.6 | 42.6 |
| 122.5° | 34.3 | 36.4 | 38.5 | 39.5 | 40.6 | 41.6 | 42.6 | 43.7 | 44.7 | 44.7 |
| 125° | 34.3 | 36.4 | 39.5 | 40.6 | 41.6 | 41.6 | 42.6 | 44.7 | 44.7 | 45.8 |
| 127.5° | 33.3 | 36.4 | 39.5 | 40.6 | 41.6 | 42.6 | 43.7 | 44.7 | 45.8 | 45.8 |
| 130° | 33.3 | 36.4 | 38.5 | 40.6 | 41.6 | 42.6 | 43.7 | 44.7 | 45.8 | 46.8 |
| 132.5° | 32.2 | 34.3 | 37.4 | 39.5 | 40.6 | 41.6 | 42.6 | 44.7 | 45.8 | 45.8 |
| 135° | 31.2 | 33.3 | 36.4 | 38.5 | 39.5 | 40.6 | 42.6 | 43.7 | 44.7 | 44.7 |
| 137.5° | 29.1 | 32.2 | 34.3 | 36.4 | 37.4 | 38.5 | 40.6 | 42.6 | 42.6 | 43.7 |
| 140° | 28.1 | 30.2 | 33.3 | 35.4 | 36.4 | 37.4 | 38.5 | 40.6 | 41.6 | 41.6 |
| 142.5° | 26.0 | 29.1 | 31.2 | 33.3 | 34.3 | 35.4 | 36.4 | 38.5 | 39.5 | 39.5 |
| 145° | 23.9 | 27.0 | 29.1 | 31.2 | 32.2 | 33.3 | 34.3 | 35.4 | 36.4 | 36.4 |
| 147.5° | 21.8 | 25.0 | 27.0 | 28.1 | 29.1 | 30.2 | 31.2 | 32.2 | 33.3 | 33.3 |
| 150° | 19.8 | 21.8 | 23.9 | 25.0 | 26.0 | 27.0 | 28.1 | 28.1 | 29.1 | 29.1 |
| 152.5° | 16.6 | 18.7 | 20.8 | 21.8 | 22.9 | 22.9 | 23.9 | 25.0 | 25.0 | 25.0 |
| 155° | 13.5 | 15.6 | 16.6 | 17.7 | 18.7 | 19.8 | 19.8 | 20.8 | 20.8 | 20.8 |
| 157.5° | 10.4 | 12.5 | 13.5 | 14.6 | 15.6 | 15.6 | 16.6 | 16.6 | 16.6 | 16.6 |
| 160° | 7.3 | 9.4 | 10.4 | 11.4 | 11.4 | 11.4 | 12.5 | 12.5 | 12.5 | 12.5 |
| 162.5° | 5.2 | 6.2 | 7.3 | 8.3 | 8.3 | 8.3 | 8.3 | 9.4 | 9.4 | 9.4 |
| 165° | 3.1 | 4.2 | 4.2 | 5.2 | 5.2 | 5.2 | 6.2 | 6.2 | 6.2 | 6.2 |
| 167.5° | 1.0 | 2.1 | 2.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 4.2 | 4.2 |
| 170° | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 172.5° | 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 |
| 177.5° | 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 |

(END OF REPORT)