

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: P392593

Luminaire Tested: **MWL-3-37-25-UNV-L935-EDD**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P392593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-565-13 &  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MWL-3-37-25-UNV-L935-EDD  
Description: MWL 3FT MEDICAL LED FIXTURE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

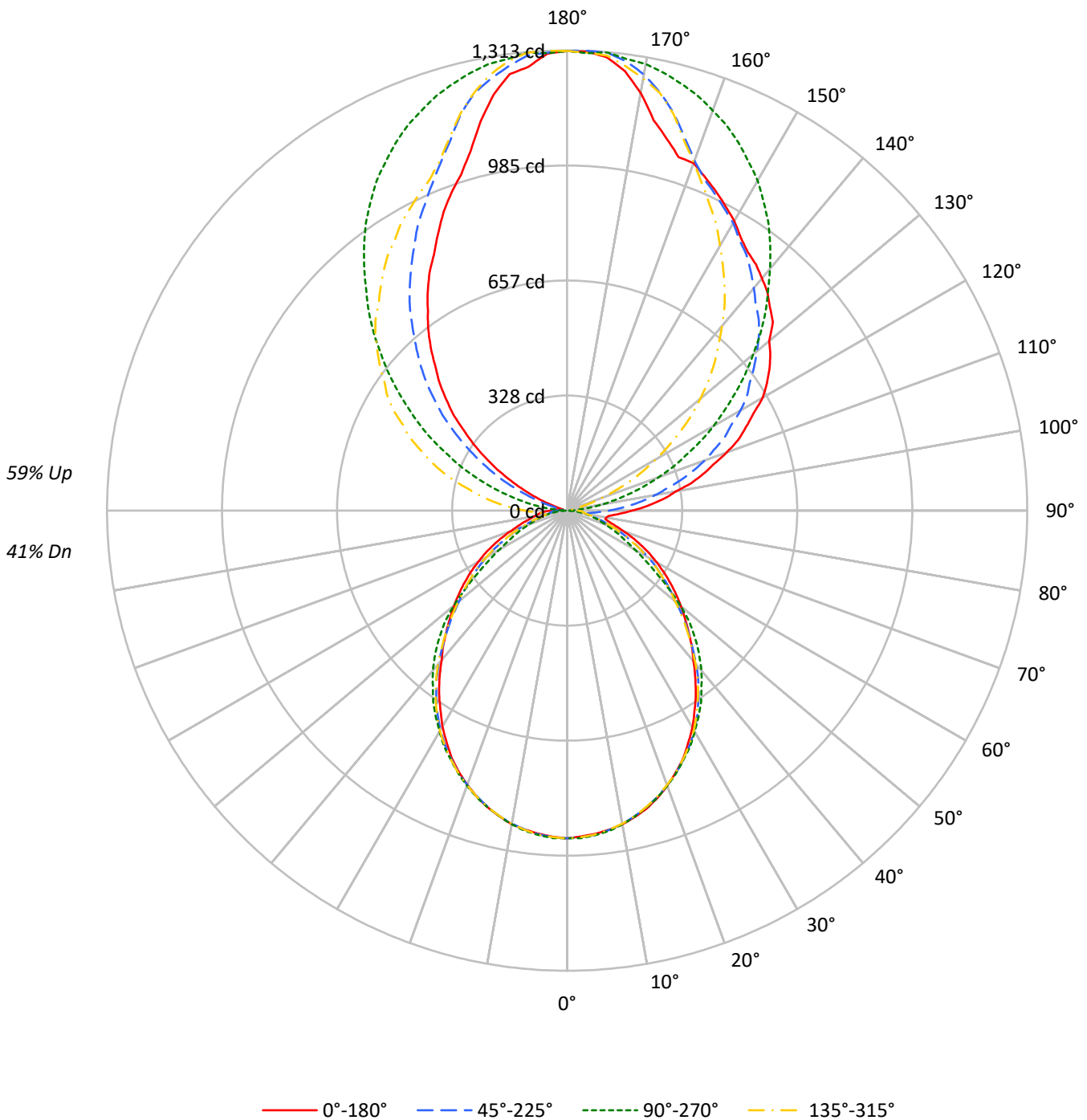
Lumens per Lamp: N/A  
Luminaire Lumens: 5281.8 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.17 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 3' x H: 0.42')  
CIE Type: General Diffuse

Input Watts (W): 61.004  
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: 25 FT



TEST NUMBER: P392593  
CATALOG NUMBER: MWL-3-37-25-UNV-L935-EDD

### Luminous Intensity Polar Plot





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**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 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 48 | 48 | 48 | 41 |
| 1   | 96  | 92  | 88  | 84  | 87 | 84 | 80 | 77 | 69 | 66 | 64 | 55 | 53 | 52 | 42 | 41 | 40 | 34 |
| 2   | 87  | 80  | 74  | 69  | 79 | 73 | 68 | 64 | 60 | 57 | 54 | 48 | 46 | 44 | 37 | 36 | 34 | 29 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 30 | 25 |
| 4   | 73  | 63  | 55  | 49  | 66 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 35 | 32 | 30 | 28 | 26 | 22 |
| 5   | 67  | 56  | 48  | 42  | 61 | 51 | 44 | 39 | 43 | 38 | 34 | 35 | 31 | 28 | 27 | 25 | 23 | 19 |
| 6   | 62  | 50  | 42  | 37  | 56 | 46 | 39 | 34 | 39 | 33 | 29 | 31 | 28 | 25 | 25 | 22 | 20 | 17 |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 15 |
| 8   | 53  | 41  | 34  | 28  | 48 | 38 | 31 | 27 | 32 | 27 | 23 | 26 | 22 | 20 | 21 | 18 | 16 | 14 |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 29 | 24 | 21 | 24 | 20 | 18 | 19 | 17 | 15 | 12 |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 22 | 19 | 16 | 18 | 15 | 13 | 11 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 8052 | 8052 | 8052 | 8052 |
| 5°  | 7905 | 7387 | 7905 | 7387 |
| 10° | 7757 | 6756 | 7757 | 6756 |
| 15° | 7558 | 6163 | 7534 | 6163 |
| 20° | 7286 | 5615 | 7262 | 5615 |
| 25° | 6975 | 5086 | 6951 | 5086 |
| 30° | 6579 | 4589 | 6546 | 4589 |
| 35° | 6132 | 4119 | 6106 | 4119 |
| 40° | 5649 | 3642 | 5613 | 3642 |
| 45° | 5238 | 3148 | 5208 | 3148 |
| 50° | 4871 | 2579 | 4838 | 2579 |
| 55° | 4490 | 1920 | 4466 | 1920 |
| 60° | 4079 | 1408 | 4066 | 1408 |
| 65° | 3625 | 1067 | 3625 | 1067 |
| 70° | 3094 | 787  | 3113 | 787  |
| 75° | 2697 | 573  | 2761 | 573  |
| 80° | 3140 | 372  | 2652 | 372  |
| 85° | 5227 | 163  | 2936 | 163  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.0   | 1.7       |
| 10°-20°   | 246.9  | 4.7       |
| 20°-30°   | 360.4  | 6.8       |
| 30°-40°   | 407.1  | 7.7       |
| 40°-50°   | 381.0  | 7.2       |
| 50°-60°   | 300.9  | 5.7       |
| 60°-70°   | 196.8  | 3.7       |
| 70°-80°   | 102.9  | 1.9       |
| 80°-90°   | 67.7   | 1.3       |
| 90°-100°  | 105.8  | 2.0       |
| 100°-110° | 203.2  | 3.8       |
| 110°-120° | 348.3  | 6.6       |
| 120°-130° | 473.1  | 9.0       |
| 130°-140° | 539.7  | 10.2      |
| 140°-150° | 538.5  | 10.2      |
| 150°-160° | 468.9  | 8.9       |
| 160°-170° | 329.9  | 6.2       |
| 170°-180° | 122.9  | 2.3       |
| 0°-30°    | 695.2  | 13.2      |
| 0°-40°    | 1102.4 | 20.9      |
| 0°-60°    | 1784.3 | 33.8      |
| 0°-90°    | 2151.7 | 40.7      |
| 90°-120°  | 657.3  | 12.4      |
| 90°-150°  | 2208.6 | 41.8      |
| 90°-180°  | 3130.0 | 59.3      |
| 0°-180°   | 5281.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 935  | 935  | 935  | 935  | 935  |      |
| 5°   | 926  | 929  | 926  | 929  | 926  | 88   |
| 15°  | 879  | 876  | 877  | 876  | 879  | 247  |
| 25°  | 782  | 785  | 779  | 785  | 782  | 359  |
| 35°  | 640  | 666  | 637  | 666  | 640  | 399  |
| 45°  | 490  | 517  | 487  | 517  | 490  | 379  |
| 55°  | 358  | 311  | 356  | 311  | 358  | 321  |
| 65°  | 231  | 165  | 231  | 165  | 231  | 229  |
| 75°  | 123  | 82   | 126  | 82   | 123  | 138  |
| 85°  | 137  | 20   | 77   | 20   | 137  | 107  |
| 90°  | 185  | 1    | 46   | 1    | 185  | 103  |
| 95°  | 250  | 38   | 31   | 38   | 250  | 218  |
| 105° | 402  | 183  | 12   | 183  | 402  | 423  |
| 115° | 563  | 374  | 130  | 374  | 563  | 559  |
| 125° | 705  | 586  | 320  | 586  | 705  | 629  |
| 135° | 819  | 800  | 515  | 800  | 819  | 632  |
| 145° | 899  | 1001 | 693  | 1001 | 899  | 567  |
| 155° | 1005 | 1158 | 871  | 1158 | 1005 | 463  |
| 165° | 1098 | 1260 | 1062 | 1260 | 1098 | 312  |
| 175° | 1298 | 1312 | 1271 | 1312 | 1298 | 121  |
| 180° | 1311 | 1311 | 1311 | 1311 | 1311 |      |



TEST NUMBER: P392593

CATALOG NUMBER: MWL-3-37-25-UNV-L935-EDD

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 935.1 | 935.1 | 935.1 | 935.1 | 935.1 | 935.1  | 935.1 | 935.1  | 935.1 | 935.1  | 935.1 |
| 2.5°   | 930.7 | 934.3 | 932.7 | 934.5 | 935.3 | 933.6  | 932.7 | 934.3  | 931.7 | 934.3  | 932.7 |
| 5°     | 925.6 | 929.3 | 928.5 | 928.5 | 929.3 | 928.5  | 927.5 | 929.3  | 925.6 | 929.3  | 927.5 |
| 7.5°   | 918.1 | 920.7 | 919.1 | 920.8 | 921.7 | 919.9  | 918.2 | 919.9  | 918.1 | 919.9  | 918.2 |
| 10°    | 908.9 | 908.9 | 908.0 | 908.9 | 908.9 | 908.0  | 907.2 | 907.1  | 908.9 | 907.1  | 907.2 |
| 12.5°  | 895.3 | 893.6 | 892.8 | 894.5 | 893.5 | 894.5  | 892.8 | 891.8  | 893.6 | 891.8  | 892.8 |
| 15°    | 879.4 | 877.5 | 875.8 | 877.5 | 876.5 | 876.5  | 874.9 | 875.7  | 876.6 | 875.7  | 874.9 |
| 17.5°  | 859.0 | 857.1 | 856.3 | 857.9 | 857.9 | 857.9  | 855.4 | 856.3  | 856.3 | 856.3  | 855.4 |
| 20°    | 835.3 | 836.0 | 834.3 | 836.7 | 835.7 | 835.7  | 833.3 | 834.3  | 832.5 | 834.3  | 833.3 |
| 22.5°  | 808.9 | 810.6 | 810.5 | 812.1 | 812.0 | 811.1  | 809.6 | 808.8  | 807.1 | 808.8  | 809.6 |
| 25°    | 781.7 | 780.9 | 784.2 | 787.5 | 784.9 | 786.5  | 782.4 | 778.2  | 779.0 | 778.2  | 782.4 |
| 27.5°  | 747.8 | 752.9 | 756.2 | 760.5 | 759.4 | 759.5  | 754.4 | 750.2  | 745.1 | 750.2  | 754.4 |
| 30°    | 714.7 | 717.2 | 725.8 | 730.8 | 728.0 | 729.0  | 723.0 | 714.6  | 711.1 | 714.6  | 723.0 |
| 32.5°  | 676.6 | 681.7 | 691.0 | 699.4 | 697.6 | 697.6  | 688.2 | 678.0  | 672.9 | 678.0  | 688.2 |
| 35°    | 640.0 | 641.7 | 653.6 | 665.5 | 666.2 | 662.7  | 650.9 | 639.0  | 637.3 | 639.0  | 650.9 |
| 37.5°  | 600.1 | 601.9 | 615.4 | 629.8 | 629.7 | 627.2  | 612.7 | 599.1  | 597.5 | 599.1  | 612.7 |
| 40°    | 561.1 | 562.0 | 573.0 | 591.7 | 595.8 | 589.8  | 569.3 | 558.3  | 557.5 | 558.3  | 569.3 |
| 42.5°  | 527.2 | 521.3 | 528.9 | 551.0 | 557.7 | 549.1  | 526.1 | 517.7  | 523.5 | 517.7  | 526.1 |
| 45°    | 489.9 | 483.1 | 487.4 | 507.7 | 517.0 | 505.8  | 483.6 | 480.3  | 487.1 | 480.3  | 483.6 |
| 47.5°  | 456.0 | 447.5 | 446.6 | 461.0 | 474.5 | 460.0  | 442.9 | 444.7  | 453.2 | 444.7  | 442.9 |
| 50°    | 423.8 | 413.6 | 405.9 | 416.0 | 421.9 | 414.1  | 402.2 | 409.8  | 420.9 | 409.8  | 402.2 |
| 52.5°  | 391.5 | 381.3 | 369.4 | 371.9 | 365.0 | 370.0  | 366.6 | 377.6  | 388.7 | 377.6  | 366.6 |
| 55°    | 358.4 | 349.8 | 335.4 | 326.9 | 310.6 | 325.0  | 332.6 | 347.1  | 356.5 | 347.1  | 332.6 |
| 57.5°  | 327.0 | 320.1 | 302.4 | 283.6 | 264.0 | 281.7  | 299.6 | 317.4  | 325.1 | 317.4  | 299.6 |
| 60°    | 293.8 | 290.4 | 266.6 | 239.5 | 223.3 | 238.5  | 264.8 | 288.6  | 292.9 | 288.6  | 264.8 |
| 62.5°  | 264.1 | 258.2 | 232.7 | 201.2 | 190.2 | 200.4  | 230.8 | 256.3  | 263.2 | 256.3  | 230.8 |
| 65°    | 230.9 | 226.7 | 197.9 | 169.9 | 164.7 | 169.0  | 196.9 | 225.7  | 230.9 | 225.7  | 196.9 |
| 67.5°  | 201.2 | 192.8 | 169.0 | 139.3 | 139.3 | 139.3  | 168.1 | 191.8  | 201.2 | 191.8  | 168.1 |
| 70°    | 169.8 | 161.3 | 139.3 | 116.4 | 117.2 | 116.4  | 139.3 | 162.2  | 170.8 | 162.2  | 139.3 |
| 72.5°  | 145.2 | 132.5 | 113.8 | 95.2  | 97.6  | 94.2   | 113.8 | 133.4  | 147.0 | 133.4  | 113.8 |
| 75°    | 123.1 | 107.9 | 90.0  | 77.2  | 81.5  | 77.2   | 90.9  | 108.8  | 126.0 | 108.8  | 90.9  |
| 77.5°  | 111.8 | 90.4  | 70.5  | 60.3  | 65.4  | 60.3   | 71.4  | 87.6   | 108.2 | 87.6   | 71.4  |
| 80°    | 113.2 | 88.0  | 58.0  | 45.9  | 50.1  | 45.9   | 56.2  | 73.3   | 95.6  | 73.3   | 56.2  |
| 82.5°  | 119.3 | 97.4  | 58.9  | 33.1  | 34.9  | 33.1   | 47.8  | 64.1   | 84.1  | 64.1   | 47.8  |
| 85°    | 136.9 | 115.9 | 71.7  | 27.4  | 20.5  | 25.6   | 44.8  | 59.4   | 76.9  | 59.4   | 44.8  |
| 87.5°  | 159.4 | 143.3 | 92.6  | 36.2  | 6.0   | 23.3   | 39.8  | 54.4   | 63.9  | 54.4   | 39.8  |
| 90°    | 185.3 | 172.6 | 120.9 | 49.8  | 0.9   | 14.6   | 29.2  | 42.1   | 46.3  | 42.1   | 29.2  |
| 92.5°  | 218.4 | 205.6 | 150.1 | 73.3  | 15.7  | 9.5    | 23.1  | 34.3   | 36.9  | 34.3   | 23.1  |
| 95°    | 250.3 | 243.0 | 184.7 | 98.0  | 37.9  | 5.4    | 18.0  | 28.1   | 30.8  | 28.1   | 18.0  |
| 97.5°  | 285.1 | 278.8 | 219.6 | 130.6 | 66.6  | 12.0   | 14.9  | 24.1   | 25.8  | 24.1   | 14.9  |
| 100°   | 315.2 | 312.6 | 256.1 | 170.3 | 101.7 | 31.4   | 10.7  | 21.8   | 23.5  | 21.8   | 10.7  |
| 102.5° | 363.0 | 349.4 | 290.7 | 208.3 | 139.8 | 58.2   | 14.8  | 15.9   | 18.4  | 15.9   | 14.8  |
| 105°   | 401.5 | 386.0 | 336.1 | 248.2 | 183.3 | 94.4   | 37.0  | 13.6   | 11.6  | 13.6   | 37.0  |
| 107.5° | 437.9 | 428.7 | 376.9 | 288.9 | 229.6 | 136.1  | 68.4  | 36.0   | 23.0  | 36.0   | 68.4  |
| 110°   | 484.2 | 473.1 | 416.7 | 329.7 | 277.8 | 180.6  | 104.6 | 65.6   | 50.8  | 65.6   | 104.6 |



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CATALOG NUMBER: MWL-3-37-25-UNV-L935-EDD

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 528.7  | 520.3  | 453.8  | 372.3  | 327.8  | 228.7  | 149.0  | 102.6  | 88.7   | 102.6  | 149.0  |
| 115°   | 563.0  | 558.3  | 496.3  | 412.1  | 374.2  | 283.4  | 198.1  | 146.3  | 129.5  | 146.3  | 198.1  |
| 117.5° | 599.1  | 598.2  | 527.9  | 452.8  | 429.6  | 332.4  | 243.5  | 189.8  | 172.1  | 189.8  | 243.5  |
| 120°   | 644.5  | 637.1  | 571.4  | 493.6  | 482.4  | 384.3  | 293.6  | 239.7  | 222.1  | 239.7  | 293.6  |
| 122.5° | 676.0  | 671.3  | 608.4  | 532.5  | 532.5  | 437.1  | 341.7  | 287.9  | 269.4  | 287.9  | 341.7  |
| 125°   | 704.6  | 702.8  | 636.2  | 571.4  | 586.3  | 486.2  | 395.4  | 340.7  | 320.3  | 340.7  | 395.4  |
| 127.5° | 730.6  | 733.4  | 672.3  | 614.0  | 640.9  | 536.2  | 448.2  | 388.0  | 366.6  | 388.0  | 448.2  |
| 130°   | 752.8  | 762.0  | 706.6  | 652.9  | 692.6  | 590.8  | 495.4  | 435.2  | 421.3  | 435.2  | 495.4  |
| 132.5° | 796.3  | 790.8  | 742.6  | 692.6  | 748.3  | 640.9  | 546.3  | 482.4  | 466.7  | 482.4  | 546.3  |
| 135°   | 818.6  | 820.4  | 773.2  | 726.9  | 800.2  | 690.9  | 593.5  | 530.5  | 514.8  | 530.5  | 593.5  |
| 137.5° | 845.5  | 839.9  | 796.4  | 768.7  | 848.3  | 739.0  | 639.0  | 581.5  | 556.5  | 581.5  | 639.0  |
| 140°   | 865.0  | 864.0  | 828.8  | 806.6  | 900.2  | 787.1  | 687.0  | 627.8  | 604.6  | 627.8  | 687.0  |
| 142.5° | 885.2  | 890.8  | 860.3  | 846.4  | 952.0  | 836.2  | 738.0  | 673.1  | 651.0  | 673.1  | 738.0  |
| 145°   | 899.2  | 911.2  | 891.7  | 898.3  | 1001.1 | 892.7  | 782.5  | 716.6  | 692.6  | 716.6  | 782.5  |
| 147.5° | 922.4  | 938.1  | 914.9  | 934.4  | 1043.8 | 941.8  | 826.9  | 762.0  | 740.8  | 762.0  | 826.9  |
| 150°   | 953.8  | 961.2  | 947.3  | 984.4  | 1087.3 | 996.4  | 872.3  | 805.7  | 784.4  | 805.7  | 872.3  |
| 152.5° | 978.9  | 988.1  | 971.5  | 1038.2 | 1121.5 | 1045.6 | 921.5  | 848.2  | 823.2  | 848.2  | 921.5  |
| 155°   | 1004.8 | 1008.5 | 997.3  | 1091.0 | 1157.7 | 1094.7 | 962.1  | 895.4  | 871.4  | 895.4  | 962.1  |
| 157.5° | 1028.8 | 1036.3 | 1023.3 | 1130.8 | 1189.2 | 1137.3 | 1007.5 | 942.7  | 921.4  | 942.7  | 1007.5 |
| 160°   | 1054.7 | 1054.7 | 1062.2 | 1177.9 | 1215.0 | 1175.2 | 1055.7 | 994.5  | 964.9  | 994.5  | 1055.7 |
| 162.5° | 1057.6 | 1074.2 | 1115.0 | 1210.4 | 1240.9 | 1207.6 | 1107.6 | 1030.7 | 1005.6 | 1030.7 | 1107.6 |
| 165°   | 1098.3 | 1113.2 | 1174.2 | 1239.0 | 1260.4 | 1236.4 | 1171.5 | 1091.9 | 1062.2 | 1091.9 | 1171.5 |
| 167.5° | 1140.9 | 1173.4 | 1222.5 | 1271.6 | 1278.9 | 1263.1 | 1220.6 | 1165.1 | 1138.2 | 1165.1 | 1220.6 |
| 170°   | 1209.5 | 1238.2 | 1263.1 | 1283.6 | 1293.7 | 1284.4 | 1251.1 | 1223.4 | 1205.8 | 1223.4 | 1251.1 |
| 172.5° | 1264.1 | 1282.7 | 1292.8 | 1305.8 | 1299.3 | 1295.6 | 1278.9 | 1265.1 | 1255.9 | 1265.1 | 1278.9 |
| 175°   | 1298.4 | 1302.1 | 1311.3 | 1306.8 | 1312.2 | 1302.0 | 1303.0 | 1308.6 | 1270.7 | 1308.6 | 1303.0 |
| 177.5° | 1310.5 | 1317.0 | 1313.2 | 1304.9 | 1305.8 | 1303.9 | 1307.6 | 1310.5 | 1305.0 | 1310.5 | 1307.6 |
| 180°   | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 |



TEST NUMBER: P392593

CATALOG NUMBER: MWL-3-37-25-UNV-L935-EDD

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|-------|--------|-------|--------|-------|
| 0°     | 935.1  | 935.1 | 935.1  | 935.1 | 935.1  | 935.1 |
| 2.5°   | 933.6  | 935.3 | 934.5  | 932.7 | 934.3  | 930.7 |
| 5°     | 928.5  | 929.3 | 928.5  | 928.5 | 929.3  | 925.6 |
| 7.5°   | 919.9  | 921.7 | 920.8  | 919.1 | 920.7  | 918.1 |
| 10°    | 908.0  | 908.9 | 908.9  | 908.0 | 908.9  | 908.9 |
| 12.5°  | 894.5  | 893.5 | 894.5  | 892.8 | 893.6  | 895.3 |
| 15°    | 876.5  | 876.5 | 877.5  | 875.8 | 877.5  | 879.4 |
| 17.5°  | 857.9  | 857.9 | 857.9  | 856.3 | 857.1  | 859.0 |
| 20°    | 835.7  | 835.7 | 836.7  | 834.3 | 836.0  | 835.3 |
| 22.5°  | 811.1  | 812.0 | 812.1  | 810.5 | 810.6  | 808.9 |
| 25°    | 786.5  | 784.9 | 787.5  | 784.2 | 780.9  | 781.7 |
| 27.5°  | 759.5  | 759.4 | 760.5  | 756.2 | 752.9  | 747.8 |
| 30°    | 729.0  | 728.0 | 730.8  | 725.8 | 717.2  | 714.7 |
| 32.5°  | 697.6  | 697.6 | 699.4  | 691.0 | 681.7  | 676.6 |
| 35°    | 662.7  | 666.2 | 665.5  | 653.6 | 641.7  | 640.0 |
| 37.5°  | 627.2  | 629.7 | 629.8  | 615.4 | 601.9  | 600.1 |
| 40°    | 589.8  | 595.8 | 591.7  | 573.0 | 562.0  | 561.1 |
| 42.5°  | 549.1  | 557.7 | 551.0  | 528.9 | 521.3  | 527.2 |
| 45°    | 505.8  | 517.0 | 507.7  | 487.4 | 483.1  | 489.9 |
| 47.5°  | 460.0  | 474.5 | 461.0  | 446.6 | 447.5  | 456.0 |
| 50°    | 414.1  | 421.9 | 416.0  | 405.9 | 413.6  | 423.8 |
| 52.5°  | 370.0  | 365.0 | 371.9  | 369.4 | 381.3  | 391.5 |
| 55°    | 325.0  | 310.6 | 326.9  | 335.4 | 349.8  | 358.4 |
| 57.5°  | 281.7  | 264.0 | 283.6  | 302.4 | 320.1  | 327.0 |
| 60°    | 238.5  | 223.3 | 239.5  | 266.6 | 290.4  | 293.8 |
| 62.5°  | 200.4  | 190.2 | 201.2  | 232.7 | 258.2  | 264.1 |
| 65°    | 169.0  | 164.7 | 169.9  | 197.9 | 226.7  | 230.9 |
| 67.5°  | 139.3  | 139.3 | 139.3  | 169.0 | 192.8  | 201.2 |
| 70°    | 116.4  | 117.2 | 116.4  | 139.3 | 161.3  | 169.8 |
| 72.5°  | 94.2   | 97.6  | 95.2   | 113.8 | 132.5  | 145.2 |
| 75°    | 77.2   | 81.5  | 77.2   | 90.0  | 107.9  | 123.1 |
| 77.5°  | 60.3   | 65.4  | 60.3   | 70.5  | 90.4   | 111.8 |
| 80°    | 45.9   | 50.1  | 45.9   | 58.0  | 88.0   | 113.2 |
| 82.5°  | 33.1   | 34.9  | 33.1   | 58.9  | 97.4   | 119.3 |
| 85°    | 25.6   | 20.5  | 27.4   | 71.7  | 115.9  | 136.9 |
| 87.5°  | 23.3   | 6.0   | 36.2   | 92.6  | 143.3  | 159.4 |
| 90°    | 14.6   | 0.9   | 49.8   | 120.9 | 172.6  | 185.3 |
| 92.5°  | 9.5    | 15.7  | 73.3   | 150.1 | 205.6  | 218.4 |
| 95°    | 5.4    | 37.9  | 98.0   | 184.7 | 243.0  | 250.3 |
| 97.5°  | 12.0   | 66.6  | 130.6  | 219.6 | 278.8  | 285.1 |
| 100°   | 31.4   | 101.7 | 170.3  | 256.1 | 312.6  | 315.2 |
| 102.5° | 58.2   | 139.8 | 208.3  | 290.7 | 349.4  | 363.0 |
| 105°   | 94.4   | 183.3 | 248.2  | 336.1 | 386.0  | 401.5 |
| 107.5° | 136.1  | 229.6 | 288.9  | 376.9 | 428.7  | 437.9 |
| 110°   | 180.6  | 277.8 | 329.7  | 416.7 | 473.1  | 484.2 |





TEST NUMBER: P392593

CATALOG NUMBER: MWL-3-37-25-UNV-L935-EDD

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 228.7  | 327.8  | 372.3  | 453.8  | 520.3  | 528.7  |
| 115°   | 283.4  | 374.2  | 412.1  | 496.3  | 558.3  | 563.0  |
| 117.5° | 332.4  | 429.6  | 452.8  | 527.9  | 598.2  | 599.1  |
| 120°   | 384.3  | 482.4  | 493.6  | 571.4  | 637.1  | 644.5  |
| 122.5° | 437.1  | 532.5  | 532.5  | 608.4  | 671.3  | 676.0  |
| 125°   | 486.2  | 586.3  | 571.4  | 636.2  | 702.8  | 704.6  |
| 127.5° | 536.2  | 640.9  | 614.0  | 672.3  | 733.4  | 730.6  |
| 130°   | 590.8  | 692.6  | 652.9  | 706.6  | 762.0  | 752.8  |
| 132.5° | 640.9  | 748.3  | 692.6  | 742.6  | 790.8  | 796.3  |
| 135°   | 690.9  | 800.2  | 726.9  | 773.2  | 820.4  | 818.6  |
| 137.5° | 739.0  | 848.3  | 768.7  | 796.4  | 839.9  | 845.5  |
| 140°   | 787.1  | 900.2  | 806.6  | 828.8  | 864.0  | 865.0  |
| 142.5° | 836.2  | 952.0  | 846.4  | 860.3  | 890.8  | 885.2  |
| 145°   | 892.7  | 1001.1 | 898.3  | 891.7  | 911.2  | 899.2  |
| 147.5° | 941.8  | 1043.8 | 934.4  | 914.9  | 938.1  | 922.4  |
| 150°   | 996.4  | 1087.3 | 984.4  | 947.3  | 961.2  | 953.8  |
| 152.5° | 1045.6 | 1121.5 | 1038.2 | 971.5  | 988.1  | 978.9  |
| 155°   | 1094.7 | 1157.7 | 1091.0 | 997.3  | 1008.5 | 1004.8 |
| 157.5° | 1137.3 | 1189.2 | 1130.8 | 1023.3 | 1036.3 | 1028.8 |
| 160°   | 1175.2 | 1215.0 | 1177.9 | 1062.2 | 1054.7 | 1054.7 |
| 162.5° | 1207.6 | 1240.9 | 1210.4 | 1115.0 | 1074.2 | 1057.6 |
| 165°   | 1236.4 | 1260.4 | 1239.0 | 1174.2 | 1113.2 | 1098.3 |
| 167.5° | 1263.1 | 1278.9 | 1271.6 | 1222.5 | 1173.4 | 1140.9 |
| 170°   | 1284.4 | 1293.7 | 1283.6 | 1263.1 | 1238.2 | 1209.5 |
| 172.5° | 1295.6 | 1299.3 | 1305.8 | 1292.8 | 1282.7 | 1264.1 |
| 175°   | 1302.0 | 1312.2 | 1306.8 | 1311.3 | 1302.1 | 1298.4 |
| 177.5° | 1303.9 | 1305.8 | 1304.9 | 1313.2 | 1317.0 | 1310.5 |
| 180°   | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 | 1311.3 |

(END OF REPORT)