

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: P392645

Luminaire Tested: **MWL-4-26-33-UNV-L940-EDD**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P392645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-565-1 &
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MWL-4-26-33-UNV-L940-EDD
Description: MWL 4FT MEDICAL LED FIXTURE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

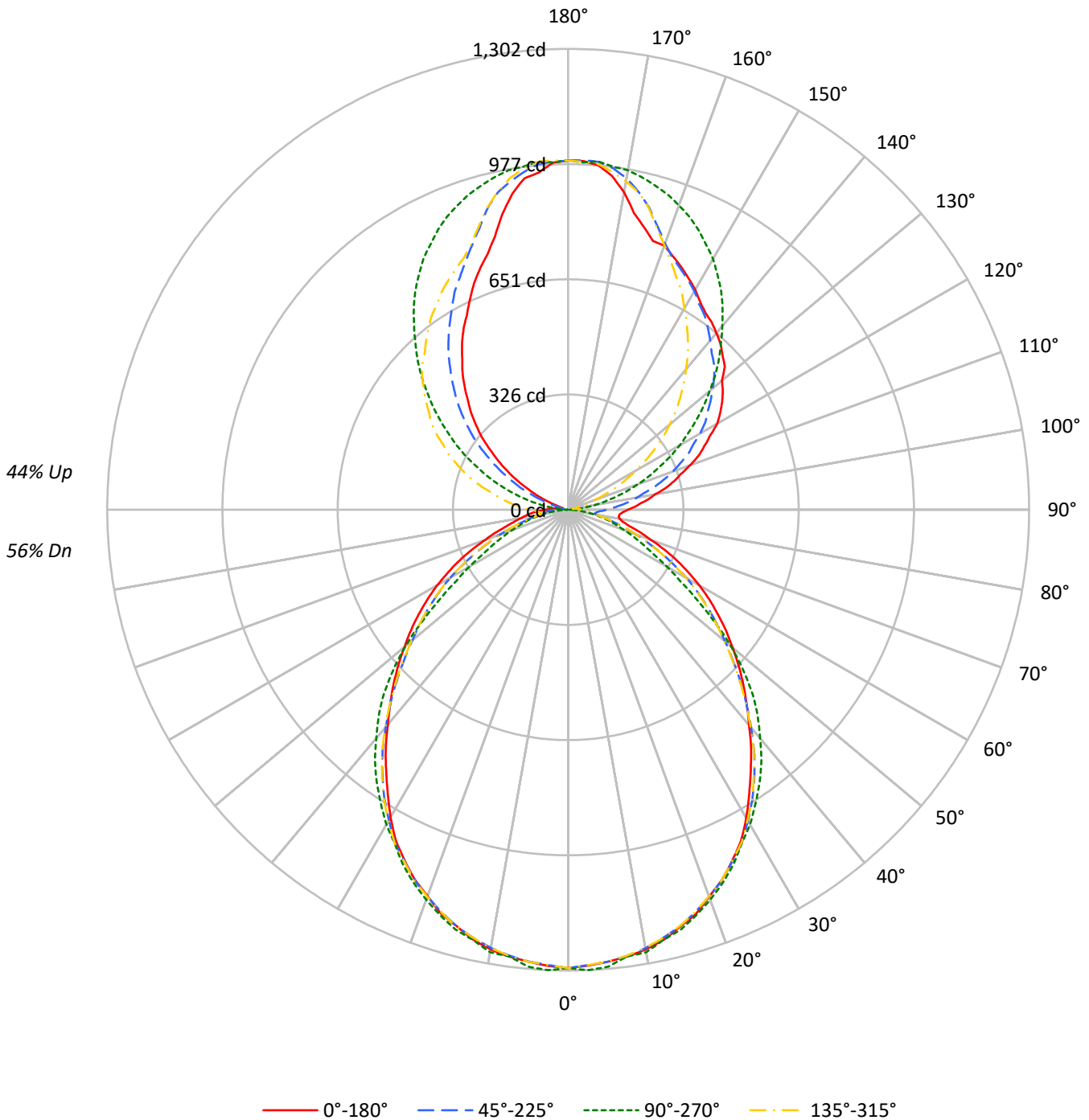
Lumens per Lamp: N/A
Luminaire Lumens: 5405.4 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.18 / 1.25
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.42')
CIE Type: General Diffuse

Input Watts (W): 57.57
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: P392645
CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 |
| 1 | 99 | 95 | 91 | 88 | 92 | 88 | 85 | 82 | 76 | 74 | 72 | 65 | 63 | 62 | 55 | 54 | 52 | 48 |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 72 | 68 | 67 | 63 | 60 | 58 | 55 | 52 | 49 | 47 | 45 | 40 |
| 3 | 83 | 74 | 66 | 61 | 77 | 69 | 62 | 57 | 60 | 55 | 51 | 51 | 48 | 44 | 43 | 41 | 38 | 35 |
| 4 | 76 | 65 | 58 | 52 | 71 | 61 | 54 | 49 | 53 | 48 | 44 | 46 | 42 | 38 | 39 | 36 | 33 | 30 |
| 5 | 70 | 58 | 50 | 44 | 65 | 55 | 48 | 42 | 48 | 42 | 38 | 41 | 37 | 34 | 35 | 32 | 29 | 26 |
| 6 | 65 | 53 | 45 | 39 | 60 | 49 | 42 | 37 | 43 | 37 | 33 | 38 | 33 | 30 | 32 | 29 | 26 | 23 |
| 7 | 60 | 48 | 40 | 34 | 56 | 45 | 38 | 33 | 39 | 34 | 29 | 34 | 30 | 26 | 29 | 26 | 23 | 21 |
| 8 | 56 | 43 | 36 | 30 | 52 | 41 | 34 | 29 | 36 | 30 | 26 | 31 | 27 | 24 | 27 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 48 | 37 | 31 | 26 | 33 | 27 | 24 | 29 | 24 | 21 | 25 | 22 | 19 | 17 |
| 10 | 49 | 36 | 29 | 24 | 45 | 34 | 28 | 23 | 31 | 25 | 21 | 27 | 22 | 19 | 23 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 8364 | 8364 | 8364 | 8364 |
| 5° | 8237 | 7725 | 8237 | 7725 |
| 10° | 8124 | 7077 | 8124 | 7077 |
| 15° | 7936 | 6476 | 7922 | 6476 |
| 20° | 7704 | 5910 | 7691 | 5910 |
| 25° | 7444 | 5372 | 7429 | 5372 |
| 30° | 7077 | 4855 | 7058 | 4855 |
| 35° | 6604 | 4370 | 6589 | 4370 |
| 40° | 6162 | 3867 | 6141 | 3867 |
| 45° | 5785 | 3365 | 5768 | 3365 |
| 50° | 5412 | 2753 | 5393 | 2753 |
| 55° | 5062 | 2059 | 5048 | 2059 |
| 60° | 4677 | 1522 | 4669 | 1522 |
| 65° | 4226 | 1131 | 4226 | 1131 |
| 70° | 3645 | 847 | 3656 | 847 |
| 75° | 3200 | 624 | 3238 | 624 |
| 80° | 3442 | 400 | 3133 | 400 |
| 85° | 4949 | 184 | 3420 | 184 |



TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 122.0 | 2.3 |
| 10°-20° | 344.1 | 6.4 |
| 20°-30° | 505.5 | 9.4 |
| 30°-40° | 574.2 | 10.6 |
| 40°-50° | 541.0 | 10.0 |
| 50°-60° | 431.7 | 8.0 |
| 60°-70° | 284.8 | 5.3 |
| 70°-80° | 148.9 | 2.8 |
| 80°-90° | 81.3 | 1.5 |
| 90°-100° | 91.3 | 1.7 |
| 100°-110° | 155.7 | 2.9 |
| 110°-120° | 262.7 | 4.9 |
| 120°-130° | 356.7 | 6.6 |
| 130°-140° | 406.6 | 7.5 |
| 140°-150° | 405.4 | 7.5 |
| 150°-160° | 353.0 | 6.5 |
| 160°-170° | 248.3 | 4.6 |
| 170°-180° | 92.4 | 1.7 |
| 0°-30° | 971.5 | 18.0 |
| 0°-40° | 1545.7 | 28.6 |
| 0°-60° | 2518.4 | 46.6 |
| 0°-90° | 3033.4 | 56.1 |
| 90°-120° | 509.7 | 9.4 |
| 90°-150° | 1678.4 | 31.0 |
| 90°-180° | 2372.0 | 43.9 |
| 0°-180° | 5405.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1295 | 1295 | 1295 | 1295 | 1295 | |
| 5° | 1282 | 1296 | 1282 | 1296 | 1282 | 122 |
| 15° | 1220 | 1228 | 1218 | 1228 | 1220 | 344 |
| 25° | 1095 | 1105 | 1093 | 1105 | 1095 | 503 |
| 35° | 899 | 942 | 897 | 942 | 899 | 563 |
| 45° | 699 | 737 | 697 | 737 | 699 | 540 |
| 55° | 516 | 444 | 515 | 444 | 516 | 462 |
| 65° | 338 | 233 | 338 | 233 | 338 | 334 |
| 75° | 178 | 118 | 180 | 118 | 178 | 197 |
| 85° | 146 | 31 | 101 | 31 | 146 | 120 |
| 90° | 168 | 2 | 64 | 2 | 168 | 93 |
| 95° | 205 | 29 | 40 | 29 | 205 | 178 |
| 105° | 309 | 138 | 16 | 138 | 309 | 325 |
| 115° | 424 | 282 | 99 | 282 | 424 | 421 |
| 125° | 531 | 442 | 242 | 442 | 531 | 474 |
| 135° | 616 | 602 | 388 | 602 | 616 | 476 |
| 145° | 677 | 753 | 522 | 753 | 677 | 427 |
| 155° | 756 | 872 | 656 | 872 | 756 | 349 |
| 165° | 826 | 948 | 799 | 948 | 826 | 234 |
| 175° | 977 | 987 | 956 | 987 | 977 | 91 |
| 180° | 986 | 986 | 986 | 986 | 986 | |



TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 |
| 2.5° | 1289.4 | 1288.0 | 1287.6 | 1294.7 | 1302.0 | 1293.9 | 1287.6 | 1288.0 | 1290.0 | 1288.0 | 1287.6 |
| 5° | 1282.1 | 1283.5 | 1282.1 | 1290.3 | 1295.8 | 1290.3 | 1281.4 | 1283.5 | 1282.1 | 1283.5 | 1281.4 |
| 7.5° | 1273.6 | 1276.8 | 1271.3 | 1279.4 | 1273.0 | 1278.6 | 1270.7 | 1276.2 | 1273.6 | 1276.2 | 1270.7 |
| 10° | 1261.6 | 1261.3 | 1257.7 | 1265.9 | 1269.5 | 1265.2 | 1257.0 | 1260.0 | 1261.6 | 1260.0 | 1257.0 |
| 12.5° | 1244.7 | 1239.5 | 1238.8 | 1244.3 | 1244.5 | 1244.3 | 1238.8 | 1238.1 | 1243.4 | 1238.1 | 1238.8 |
| 15° | 1220.0 | 1223.1 | 1218.8 | 1224.2 | 1228.1 | 1223.5 | 1218.0 | 1221.7 | 1217.9 | 1221.7 | 1218.0 |
| 17.5° | 1198.1 | 1197.5 | 1192.4 | 1196.2 | 1201.6 | 1196.2 | 1191.6 | 1196.9 | 1196.0 | 1196.9 | 1191.6 |
| 20° | 1163.5 | 1165.5 | 1163.2 | 1172.5 | 1172.8 | 1171.9 | 1162.5 | 1164.1 | 1161.4 | 1164.1 | 1162.5 |
| 22.5° | 1132.7 | 1134.5 | 1134.0 | 1134.2 | 1140.9 | 1133.6 | 1133.3 | 1133.1 | 1131.3 | 1133.1 | 1133.3 |
| 25° | 1095.3 | 1095.3 | 1096.4 | 1106.9 | 1105.3 | 1106.3 | 1095.1 | 1093.2 | 1093.2 | 1093.2 | 1095.1 |
| 27.5° | 1056.1 | 1054.3 | 1061.8 | 1068.4 | 1061.6 | 1067.7 | 1060.4 | 1052.2 | 1054.1 | 1052.2 | 1060.4 |
| 30° | 1006.0 | 1007.9 | 1015.1 | 1031.7 | 1027.0 | 1030.4 | 1013.1 | 1005.8 | 1003.3 | 1005.8 | 1013.1 |
| 32.5° | 951.4 | 958.7 | 968.7 | 990.7 | 984.8 | 989.4 | 966.6 | 955.9 | 948.6 | 955.9 | 966.6 |
| 35° | 898.7 | 901.4 | 916.9 | 943.4 | 942.3 | 941.3 | 914.9 | 899.4 | 896.7 | 899.4 | 914.9 |
| 37.5° | 848.6 | 844.0 | 863.2 | 891.4 | 896.4 | 889.4 | 861.2 | 842.0 | 846.6 | 842.0 | 861.2 |
| 40° | 794.8 | 795.8 | 804.0 | 837.9 | 843.6 | 836.6 | 801.2 | 793.0 | 792.1 | 793.0 | 801.2 |
| 42.5° | 746.5 | 737.4 | 744.9 | 779.6 | 792.6 | 778.3 | 742.8 | 734.6 | 743.7 | 734.6 | 742.8 |
| 45° | 699.4 | 687.5 | 688.4 | 718.5 | 736.9 | 717.1 | 685.6 | 685.4 | 697.3 | 685.4 | 685.6 |
| 47.5° | 652.9 | 638.3 | 631.0 | 654.9 | 670.4 | 654.3 | 628.2 | 636.2 | 650.8 | 636.2 | 628.2 |
| 50° | 605.5 | 591.9 | 577.3 | 592.0 | 600.5 | 590.7 | 574.4 | 589.0 | 603.4 | 589.0 | 574.4 |
| 52.5° | 561.8 | 546.3 | 528.3 | 530.1 | 521.2 | 528.7 | 526.2 | 543.5 | 559.7 | 543.5 | 526.2 |
| 55° | 516.4 | 502.7 | 480.0 | 465.7 | 444.0 | 464.2 | 477.9 | 500.6 | 515.0 | 500.6 | 477.9 |
| 57.5° | 472.7 | 462.7 | 433.5 | 404.6 | 375.6 | 403.2 | 431.4 | 460.6 | 471.3 | 460.6 | 431.4 |
| 60° | 427.4 | 419.2 | 385.5 | 343.8 | 321.9 | 343.0 | 384.0 | 417.7 | 426.7 | 417.7 | 384.0 |
| 62.5° | 381.8 | 375.5 | 336.3 | 288.2 | 271.1 | 287.5 | 334.8 | 374.0 | 381.1 | 374.0 | 334.8 |
| 65° | 338.3 | 328.3 | 288.2 | 242.6 | 232.8 | 241.9 | 287.5 | 327.5 | 338.3 | 327.5 | 287.5 |
| 67.5° | 293.6 | 281.8 | 243.5 | 201.8 | 200.0 | 201.8 | 242.8 | 281.1 | 293.6 | 281.1 | 242.8 |
| 70° | 248.3 | 236.4 | 202.7 | 167.2 | 168.1 | 167.2 | 202.7 | 237.2 | 249.0 | 237.2 | 202.7 |
| 72.5° | 213.7 | 193.6 | 166.3 | 138.0 | 141.9 | 137.4 | 166.3 | 194.3 | 215.1 | 194.3 | 166.3 |
| 75° | 178.1 | 156.3 | 131.0 | 110.1 | 118.3 | 110.1 | 131.7 | 157.0 | 180.2 | 157.0 | 131.7 |
| 77.5° | 158.2 | 130.8 | 101.9 | 88.2 | 93.7 | 88.2 | 102.5 | 128.7 | 155.4 | 128.7 | 102.5 |
| 80° | 147.2 | 116.9 | 81.2 | 66.3 | 71.8 | 66.3 | 79.7 | 105.8 | 134.0 | 105.8 | 79.7 |
| 82.5° | 143.9 | 115.8 | 75.8 | 47.2 | 49.9 | 47.2 | 67.5 | 90.7 | 117.4 | 90.7 | 67.5 |
| 85° | 146.3 | 123.0 | 81.1 | 38.4 | 30.8 | 36.9 | 61.0 | 80.5 | 101.1 | 80.5 | 61.0 |
| 87.5° | 155.0 | 136.8 | 91.3 | 40.5 | 8.2 | 30.8 | 51.6 | 70.1 | 83.4 | 70.1 | 51.6 |
| 90° | 168.5 | 154.2 | 109.0 | 47.8 | 1.6 | 21.4 | 40.2 | 56.1 | 64.1 | 56.1 | 40.2 |
| 92.5° | 188.1 | 176.1 | 126.6 | 61.2 | 12.0 | 13.2 | 31.3 | 47.5 | 51.8 | 47.5 | 31.3 |
| 95° | 205.3 | 201.1 | 150.1 | 76.0 | 28.7 | 6.5 | 24.9 | 39.6 | 40.4 | 39.6 | 24.9 |
| 97.5° | 229.5 | 225.0 | 173.4 | 98.3 | 50.3 | 9.3 | 19.7 | 33.8 | 34.7 | 33.8 | 19.7 |
| 100° | 249.3 | 246.8 | 197.4 | 128.2 | 76.7 | 23.9 | 13.0 | 28.3 | 30.2 | 28.3 | 13.0 |
| 102.5° | 281.7 | 270.6 | 220.5 | 156.7 | 105.2 | 44.0 | 13.2 | 20.1 | 22.9 | 20.1 | 13.2 |
| 105° | 308.7 | 296.2 | 253.7 | 186.7 | 137.9 | 71.2 | 29.0 | 16.6 | 15.8 | 16.6 | 29.0 |
| 107.5° | 333.1 | 323.4 | 284.3 | 217.3 | 172.7 | 102.5 | 52.6 | 28.5 | 21.5 | 28.5 | 52.6 |
| 110° | 365.2 | 356.0 | 314.2 | 248.8 | 208.9 | 136.8 | 79.7 | 49.8 | 39.6 | 49.8 | 79.7 |



TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 398.6 | 391.4 | 342.0 | 280.8 | 246.5 | 172.9 | 113.2 | 77.6 | 68.2 | 77.6 | 113.2 |
| 115° | 424.3 | 419.9 | 374.0 | 310.7 | 282.2 | 214.0 | 150.0 | 110.3 | 98.8 | 110.3 | 150.0 |
| 117.5° | 451.5 | 450.8 | 397.7 | 341.3 | 323.9 | 250.9 | 184.1 | 144.0 | 130.7 | 144.0 | 184.1 |
| 120° | 485.5 | 480.0 | 430.4 | 371.9 | 363.6 | 289.8 | 221.7 | 181.5 | 168.3 | 181.5 | 221.7 |
| 122.5° | 509.2 | 505.8 | 459.1 | 401.2 | 401.2 | 329.5 | 258.8 | 217.7 | 203.8 | 217.7 | 258.8 |
| 125° | 530.8 | 529.3 | 480.0 | 430.4 | 441.5 | 366.4 | 299.1 | 257.4 | 242.1 | 257.4 | 299.1 |
| 127.5° | 550.2 | 552.3 | 507.1 | 462.4 | 482.5 | 404.0 | 338.7 | 292.8 | 276.9 | 292.8 | 338.7 |
| 130° | 567.0 | 573.9 | 532.9 | 491.6 | 521.5 | 445.0 | 374.3 | 328.4 | 317.9 | 328.4 | 374.3 |
| 132.5° | 599.7 | 595.5 | 559.3 | 522.4 | 563.2 | 483.4 | 411.8 | 363.8 | 352.0 | 363.8 | 411.8 |
| 135° | 616.4 | 617.7 | 582.3 | 548.2 | 602.2 | 521.1 | 447.3 | 400.0 | 388.1 | 400.0 | 447.3 |
| 137.5° | 636.5 | 632.3 | 600.3 | 579.5 | 638.4 | 557.2 | 482.1 | 438.2 | 419.5 | 438.2 | 482.1 |
| 140° | 651.2 | 650.4 | 624.0 | 607.3 | 677.3 | 592.7 | 517.6 | 473.0 | 455.6 | 473.0 | 517.6 |
| 142.5° | 666.5 | 670.6 | 647.6 | 638.0 | 716.3 | 630.3 | 555.9 | 507.1 | 490.4 | 507.1 | 555.9 |
| 145° | 676.9 | 685.9 | 671.3 | 676.2 | 753.2 | 672.0 | 589.2 | 539.8 | 521.7 | 539.8 | 589.2 |
| 147.5° | 694.3 | 706.1 | 688.7 | 703.3 | 785.3 | 708.8 | 622.6 | 573.9 | 557.9 | 573.9 | 622.6 |
| 150° | 717.9 | 723.5 | 713.0 | 740.9 | 818.0 | 749.9 | 656.7 | 606.6 | 590.6 | 606.6 | 656.7 |
| 152.5° | 736.7 | 743.6 | 731.8 | 782.0 | 843.7 | 787.6 | 694.3 | 638.6 | 619.8 | 638.6 | 694.3 |
| 155° | 756.2 | 758.9 | 750.7 | 821.6 | 871.7 | 824.5 | 724.1 | 674.1 | 656.0 | 674.1 | 724.1 |
| 157.5° | 774.3 | 779.9 | 770.2 | 851.6 | 895.4 | 856.4 | 758.3 | 709.6 | 693.5 | 709.6 | 758.3 |
| 160° | 793.8 | 793.8 | 799.4 | 886.4 | 914.9 | 884.3 | 794.6 | 748.6 | 726.2 | 748.6 | 794.6 |
| 162.5° | 795.9 | 809.1 | 839.0 | 910.7 | 933.7 | 908.6 | 833.5 | 776.4 | 756.9 | 776.4 | 833.5 |
| 165° | 826.5 | 838.4 | 883.6 | 932.3 | 948.3 | 930.2 | 881.5 | 822.4 | 799.4 | 822.4 | 881.5 |
| 167.5° | 858.5 | 883.6 | 919.8 | 956.7 | 962.2 | 950.4 | 918.4 | 877.3 | 856.4 | 877.3 | 918.4 |
| 170° | 909.8 | 931.4 | 950.4 | 965.7 | 973.3 | 966.4 | 941.3 | 920.2 | 907.0 | 920.2 | 941.3 |
| 172.5° | 950.8 | 965.7 | 972.6 | 982.3 | 977.5 | 974.7 | 962.2 | 952.5 | 944.6 | 952.5 | 962.2 |
| 175° | 976.6 | 980.3 | 986.5 | 983.1 | 987.3 | 979.6 | 980.3 | 985.2 | 955.7 | 985.2 | 980.3 |
| 177.5° | 985.6 | 991.5 | 987.9 | 981.7 | 982.3 | 981.0 | 983.8 | 986.5 | 981.4 | 986.5 | 983.8 |
| 180° | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 |



TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 | 1295.0 |
| 2.5° | 1293.9 | 1302.0 | 1294.7 | 1287.6 | 1288.0 | 1289.4 |
| 5° | 1290.3 | 1295.8 | 1290.3 | 1282.1 | 1283.5 | 1282.1 |
| 7.5° | 1278.6 | 1273.0 | 1279.4 | 1271.3 | 1276.8 | 1273.6 |
| 10° | 1265.2 | 1269.5 | 1265.9 | 1257.7 | 1261.3 | 1261.6 |
| 12.5° | 1244.3 | 1244.5 | 1244.3 | 1238.8 | 1239.5 | 1244.7 |
| 15° | 1223.5 | 1228.1 | 1224.2 | 1218.8 | 1223.1 | 1220.0 |
| 17.5° | 1196.2 | 1201.6 | 1196.2 | 1192.4 | 1197.5 | 1198.1 |
| 20° | 1171.9 | 1172.8 | 1172.5 | 1163.2 | 1165.5 | 1163.5 |
| 22.5° | 1133.6 | 1140.9 | 1134.2 | 1134.0 | 1134.5 | 1132.7 |
| 25° | 1106.3 | 1105.3 | 1106.9 | 1096.4 | 1095.3 | 1095.3 |
| 27.5° | 1067.7 | 1061.6 | 1068.4 | 1061.8 | 1054.3 | 1056.1 |
| 30° | 1030.4 | 1027.0 | 1031.7 | 1015.1 | 1007.9 | 1006.0 |
| 32.5° | 989.4 | 984.8 | 990.7 | 968.7 | 958.7 | 951.4 |
| 35° | 941.3 | 942.3 | 943.4 | 916.9 | 901.4 | 898.7 |
| 37.5° | 889.4 | 896.4 | 891.4 | 863.2 | 844.0 | 848.6 |
| 40° | 836.6 | 843.6 | 837.9 | 804.0 | 795.8 | 794.8 |
| 42.5° | 778.3 | 792.6 | 779.6 | 744.9 | 737.4 | 746.5 |
| 45° | 717.1 | 736.9 | 718.5 | 688.4 | 687.5 | 699.4 |
| 47.5° | 654.3 | 670.4 | 654.9 | 631.0 | 638.3 | 652.9 |
| 50° | 590.7 | 600.5 | 592.0 | 577.3 | 591.9 | 605.5 |
| 52.5° | 528.7 | 521.2 | 530.1 | 528.3 | 546.3 | 561.8 |
| 55° | 464.2 | 444.0 | 465.7 | 480.0 | 502.7 | 516.4 |
| 57.5° | 403.2 | 375.6 | 404.6 | 433.5 | 462.7 | 472.7 |
| 60° | 343.0 | 321.9 | 343.8 | 385.5 | 419.2 | 427.4 |
| 62.5° | 287.5 | 271.1 | 288.2 | 336.3 | 375.5 | 381.8 |
| 65° | 241.9 | 232.8 | 242.6 | 288.2 | 328.3 | 338.3 |
| 67.5° | 201.8 | 200.0 | 201.8 | 243.5 | 281.8 | 293.6 |
| 70° | 167.2 | 168.1 | 167.2 | 202.7 | 236.4 | 248.3 |
| 72.5° | 137.4 | 141.9 | 138.0 | 166.3 | 193.6 | 213.7 |
| 75° | 110.1 | 118.3 | 110.1 | 131.0 | 156.3 | 178.1 |
| 77.5° | 88.2 | 93.7 | 88.2 | 101.9 | 130.8 | 158.2 |
| 80° | 66.3 | 71.8 | 66.3 | 81.2 | 116.9 | 147.2 |
| 82.5° | 47.2 | 49.9 | 47.2 | 75.8 | 115.8 | 143.9 |
| 85° | 36.9 | 30.8 | 38.4 | 81.1 | 123.0 | 146.3 |
| 87.5° | 30.8 | 8.2 | 40.5 | 91.3 | 136.8 | 155.0 |
| 90° | 21.4 | 1.6 | 47.8 | 109.0 | 154.2 | 168.5 |
| 92.5° | 13.2 | 12.0 | 61.2 | 126.6 | 176.1 | 188.1 |
| 95° | 6.5 | 28.7 | 76.0 | 150.1 | 201.1 | 205.3 |
| 97.5° | 9.3 | 50.3 | 98.3 | 173.4 | 225.0 | 229.5 |
| 100° | 23.9 | 76.7 | 128.2 | 197.4 | 246.8 | 249.3 |
| 102.5° | 44.0 | 105.2 | 156.7 | 220.5 | 270.6 | 281.7 |
| 105° | 71.2 | 137.9 | 186.7 | 253.7 | 296.2 | 308.7 |
| 107.5° | 102.5 | 172.7 | 217.3 | 284.3 | 323.4 | 333.1 |
| 110° | 136.8 | 208.9 | 248.8 | 314.2 | 356.0 | 365.2 |



TEST NUMBER: P392645

CATALOG NUMBER: MWL-4-26-33-UNV-L940-EDD

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 172.9 | 246.5 | 280.8 | 342.0 | 391.4 | 398.6 |
| 115° | 214.0 | 282.2 | 310.7 | 374.0 | 419.9 | 424.3 |
| 117.5° | 250.9 | 323.9 | 341.3 | 397.7 | 450.8 | 451.5 |
| 120° | 289.8 | 363.6 | 371.9 | 430.4 | 480.0 | 485.5 |
| 122.5° | 329.5 | 401.2 | 401.2 | 459.1 | 505.8 | 509.2 |
| 125° | 366.4 | 441.5 | 430.4 | 480.0 | 529.3 | 530.8 |
| 127.5° | 404.0 | 482.5 | 462.4 | 507.1 | 552.3 | 550.2 |
| 130° | 445.0 | 521.5 | 491.6 | 532.9 | 573.9 | 567.0 |
| 132.5° | 483.4 | 563.2 | 522.4 | 559.3 | 595.5 | 599.7 |
| 135° | 521.1 | 602.2 | 548.2 | 582.3 | 617.7 | 616.4 |
| 137.5° | 557.2 | 638.4 | 579.5 | 600.3 | 632.3 | 636.5 |
| 140° | 592.7 | 677.3 | 607.3 | 624.0 | 650.4 | 651.2 |
| 142.5° | 630.3 | 716.3 | 638.0 | 647.6 | 670.6 | 666.5 |
| 145° | 672.0 | 753.2 | 676.2 | 671.3 | 685.9 | 676.9 |
| 147.5° | 708.8 | 785.3 | 703.3 | 688.7 | 706.1 | 694.3 |
| 150° | 749.9 | 818.0 | 740.9 | 713.0 | 723.5 | 717.9 |
| 152.5° | 787.6 | 843.7 | 782.0 | 731.8 | 743.6 | 736.7 |
| 155° | 824.5 | 871.7 | 821.6 | 750.7 | 758.9 | 756.2 |
| 157.5° | 856.4 | 895.4 | 851.6 | 770.2 | 779.9 | 774.3 |
| 160° | 884.3 | 914.9 | 886.4 | 799.4 | 793.8 | 793.8 |
| 162.5° | 908.6 | 933.7 | 910.7 | 839.0 | 809.1 | 795.9 |
| 165° | 930.2 | 948.3 | 932.3 | 883.6 | 838.4 | 826.5 |
| 167.5° | 950.4 | 962.2 | 956.7 | 919.8 | 883.6 | 858.5 |
| 170° | 966.4 | 973.3 | 965.7 | 950.4 | 931.4 | 909.8 |
| 172.5° | 974.7 | 977.5 | 982.3 | 972.6 | 965.7 | 950.8 |
| 175° | 979.6 | 987.3 | 983.1 | 986.5 | 980.3 | 976.6 |
| 177.5° | 981.0 | 982.3 | 981.7 | 987.9 | 991.5 | 985.6 |
| 180° | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 | 986.5 |

(END OF REPORT)