

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P895350

Luminaire Tested: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P895350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-ASML-UNV-CC83-HI-4000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMETRIC LENS, 80CRI, 4000K CCT, HI lumen setting  
Light Source: -  
Ballast/Driver: -

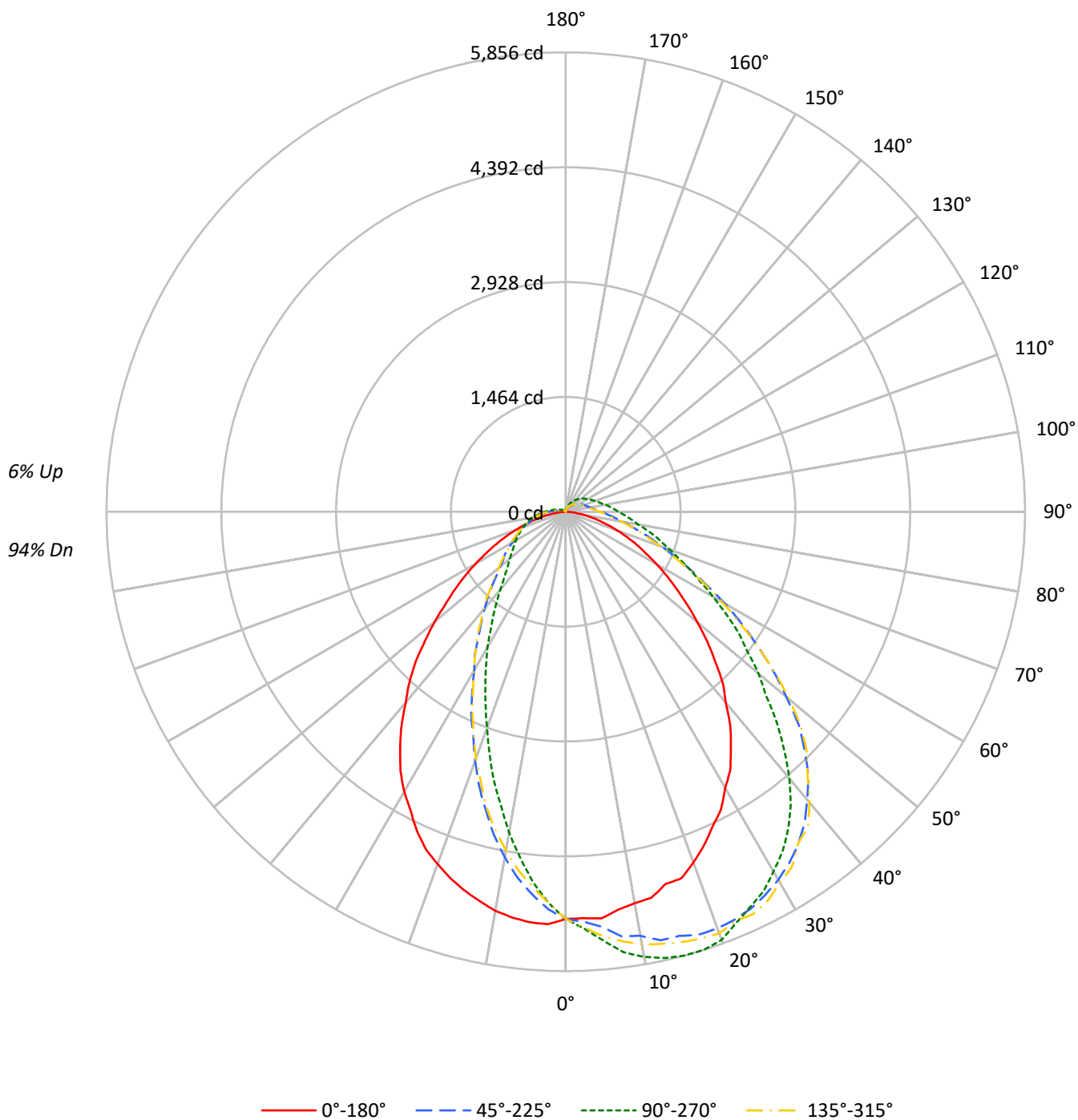
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12938.0 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.07 / 1.25  
Luminous Opening: Rectangular w/ Sides (W: 0.27' x L: 7.98' x H: 0.12')  
CIE Type: Direct  
  
Input Watts (W): 101.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.39961257980444  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 0   | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 97 | 97 | 97 |
| 1   | 107 | 103 | 98  | 94  | 104 | 100 | 96  | 92  | 95  | 91  | 88  | 90  | 87  | 85  | 85 | 83 | 81 |
| 2   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 76  | 83  | 78  | 74  | 79  | 75  | 71  | 75 | 72 | 69 |
| 3   | 90  | 80  | 72  | 65  | 87  | 78  | 70  | 64  | 74  | 68  | 63  | 70  | 65  | 61  | 67 | 63 | 59 |
| 4   | 83  | 71  | 63  | 56  | 80  | 69  | 61  | 55  | 66  | 59  | 54  | 63  | 57  | 53  | 60 | 55 | 51 |
| 5   | 76  | 64  | 55  | 49  | 74  | 62  | 54  | 48  | 60  | 53  | 47  | 57  | 51  | 46  | 55 | 49 | 45 |
| 6   | 71  | 58  | 49  | 43  | 68  | 56  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 41  | 50 | 44 | 40 |
| 7   | 66  | 53  | 44  | 38  | 64  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 41  | 36  | 46 | 40 | 36 |
| 8   | 61  | 48  | 40  | 34  | 59  | 47  | 39  | 34  | 45  | 38  | 33  | 44  | 37  | 33  | 42 | 37 | 32 |
| 9   | 57  | 44  | 36  | 31  | 56  | 43  | 36  | 31  | 42  | 35  | 30  | 40  | 34  | 30  | 39 | 33 | 29 |
| 10  | 54  | 41  | 33  | 28  | 52  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 31  | 27  | 36 | 31 | 27 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 26363 | 26363 | 26363 | 26363 |
| 5°  | 26497 | 26866 | 26748 | 23220 |
| 10° | 26058 | 27439 | 26565 | 19790 |
| 15° | 25729 | 27340 | 26165 | 16547 |
| 20° | 25567 | 26799 | 25676 | 13537 |
| 25° | 24632 | 25557 | 24973 | 11138 |
| 30° | 23639 | 24424 | 23945 | 9202  |
| 35° | 22516 | 23050 | 22578 | 7498  |
| 40° | 20766 | 21086 | 20755 | 6148  |
| 45° | 19040 | 18612 | 19136 | 5238  |
| 50° | 16980 | 16245 | 16901 | 4732  |
| 55° | 15015 | 14231 | 14912 | 4348  |
| 60° | 13229 | 12137 | 13111 | 4109  |
| 65° | 11659 | 10451 | 11382 | 3904  |
| 70° | 9994  | 9158  | 9655  | 3732  |
| 75° | 8255  | 8325  | 8035  | 3594  |
| 80° | 6530  | 7493  | 5936  | 3347  |
| 85° | 4789  | 7236  | 3865  | 3136  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 26398 cd/sqm

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 487.7   | 3.8       |
| 10°-20°   | 1355.7  | 10.5      |
| 20°-30°   | 1949.9  | 15.1      |
| 30°-40°   | 2212.8  | 17.1      |
| 40°-50°   | 2114.8  | 16.3      |
| 50°-60°   | 1718.4  | 13.3      |
| 60°-70°   | 1199.0  | 9.3       |
| 70°-80°   | 742.8   | 5.7       |
| 80°-90°   | 426.1   | 3.3       |
| 90°-100°  | 254.7   | 2.0       |
| 100°-110° | 167.2   | 1.3       |
| 110°-120° | 117.2   | 0.9       |
| 120°-130° | 84.9    | 0.7       |
| 130°-140° | 56.4    | 0.4       |
| 140°-150° | 31.8    | 0.2       |
| 150°-160° | 14.2    | 0.1       |
| 160°-170° | 4.1     | 0.0       |
| 170°-180° | 0.4     | 0.0       |
| 0°-30°    | 3793.3  | 29.3      |
| 0°-40°    | 6006.2  | 46.4      |
| 0°-60°    | 9839.4  | 76.0      |
| 0°-90°    | 12207.2 | 94.4      |
| 90°-120°  | 539.1   | 4.2       |
| 90°-150°  | 712.2   | 5.5       |
| 90°-180°  | 731.0   | 5.7       |
| 0°-180°   | 12938.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 5191 | 5191 | 5191 | 5191 | 5191 |      |
| 5°   | 5204 | 5487 | 5254 | 4742 | 5204 | 491  |
| 15°  | 4914 | 5856 | 4997 | 3544 | 4914 | 1396 |
| 25°  | 4428 | 5562 | 4489 | 2424 | 4428 | 2043 |
| 35°  | 3671 | 4943 | 3682 | 1608 | 3671 | 2288 |
| 45°  | 2692 | 3811 | 2706 | 1072 | 2692 | 2078 |
| 55°  | 1734 | 2687 | 1722 | 821  | 1734 | 1560 |
| 65°  | 1003 | 1747 | 979  | 653  | 1003 | 995  |
| 75°  | 445  | 1169 | 433  | 505  | 445  | 481  |
| 85°  | 97   | 792  | 78   | 343  | 97   | 109  |
| 90°  | 3    | 670  | 0    | 264  | 3    | 7    |
| 95°  | 5    | 583  | 0    | 201  | 5    | 4    |
| 105° | 3    | 449  | 0    | 109  | 3    | 4    |
| 115° | 3    | 357  | 0    | 60   | 3    | 3    |
| 125° | 3    | 291  | 0    | 39   | 3    | 3    |
| 135° | 3    | 231  | 0    | 31   | 3    | 3    |
| 145° | 3    | 163  | 0    | 20   | 3    | 2    |
| 155° | 5    | 102  | 0    | 12   | 5    | 2    |
| 165° | 5    | 48   | 0    | 5    | 5    | 1    |
| 175° | 5    | 2    | 0    | 0    | 5    | 0    |
| 180° | 2    | 2    | 2    | 2    | 2    |      |

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 |
| 2.5°   | 5185.8 | 5224.9 | 5228.3 | 5350.7 | 5315.0 | 5360.9 | 5303.1 | 5313.3 | 5262.3 | 5248.7 | 5072.0 |
| 5°     | 5204.5 | 5287.8 | 5309.9 | 5520.7 | 5486.7 | 5510.5 | 5430.6 | 5372.8 | 5253.8 | 5182.4 | 4896.9 |
| 7.5°   | 5116.2 | 5335.4 | 5457.8 | 5607.4 | 5663.5 | 5682.2 | 5520.7 | 5413.6 | 5216.4 | 5041.4 | 4706.5 |
| 10°    | 5066.9 | 5369.4 | 5488.4 | 5712.8 | 5762.1 | 5726.4 | 5600.6 | 5423.8 | 5165.4 | 4883.3 | 4472.0 |
| 12.5°  | 5039.7 | 5388.1 | 5595.5 | 5824.9 | 5826.6 | 5789.2 | 5641.4 | 5451.0 | 5082.2 | 4713.3 | 4223.8 |
| 15°    | 4913.9 | 5384.7 | 5597.2 | 5830.0 | 5855.5 | 5831.7 | 5680.5 | 5432.3 | 4997.2 | 4502.6 | 3938.3 |
| 17.5°  | 4900.3 | 5376.2 | 5651.6 | 5896.3 | 5853.8 | 5836.8 | 5704.3 | 5423.8 | 4895.2 | 4288.4 | 3669.7 |
| 20°    | 4757.5 | 5357.5 | 5651.6 | 5821.5 | 5807.9 | 5814.7 | 5719.6 | 5411.9 | 4777.9 | 4057.2 | 3375.6 |
| 22.5°  | 4606.2 | 5335.4 | 5627.8 | 5757.0 | 5675.4 | 5799.4 | 5651.6 | 5379.6 | 4658.9 | 3815.9 | 3083.3 |
| 25°    | 4427.8 | 5299.7 | 5581.9 | 5665.2 | 5561.5 | 5658.4 | 5656.7 | 5330.3 | 4489.0 | 3555.8 | 2852.1 |
| 27.5°  | 4283.3 | 5243.6 | 5507.1 | 5632.9 | 5456.1 | 5539.4 | 5587.0 | 5270.8 | 4288.4 | 3299.2 | 2580.2 |
| 30°    | 4067.4 | 5172.2 | 5417.0 | 5435.7 | 5296.3 | 5401.7 | 5456.1 | 5196.0 | 4120.1 | 3008.5 | 2332.0 |
| 32.5°  | 3902.6 | 5090.7 | 5306.5 | 5281.0 | 5141.7 | 5281.0 | 5369.4 | 5121.3 | 3919.6 | 2753.5 | 2156.9 |
| 35°    | 3671.4 | 4992.1 | 5168.8 | 5034.6 | 4942.8 | 5058.4 | 5162.0 | 5041.4 | 3681.6 | 2481.6 | 1932.6 |
| 37.5°  | 3447.0 | 4905.4 | 5004.0 | 4837.4 | 4711.6 | 4840.8 | 5068.6 | 4891.8 | 3441.9 | 2265.7 | 1766.0 |
| 40°    | 3173.4 | 4706.5 | 4788.1 | 4562.0 | 4436.3 | 4626.6 | 4835.7 | 4762.6 | 3171.7 | 2041.4 | 1604.5 |
| 42.5°  | 2966.0 | 4558.6 | 4582.4 | 4273.1 | 4123.5 | 4325.8 | 4563.7 | 4579.0 | 2952.4 | 1839.1 | 1461.8 |
| 45°    | 2692.4 | 4351.3 | 4307.1 | 3967.1 | 3810.8 | 3992.6 | 4349.6 | 4390.4 | 2706.0 | 1664.0 | 1322.4 |
| 47.5°  | 2445.9 | 4120.1 | 4033.4 | 3635.7 | 3460.6 | 3676.5 | 4072.5 | 4179.6 | 2430.6 | 1502.6 | 1191.5 |
| 50°    | 2189.2 | 3861.8 | 3669.7 | 3326.4 | 3209.1 | 3316.2 | 3720.7 | 3897.5 | 2179.0 | 1342.8 | 1091.2 |
| 52.5°  | 1954.7 | 3576.2 | 3338.2 | 3030.6 | 2913.3 | 3001.7 | 3351.8 | 3617.0 | 1929.2 | 1208.5 | 1002.8 |
| 55°    | 1733.7 | 3290.7 | 2983.0 | 2711.1 | 2687.3 | 2714.5 | 2977.9 | 3282.2 | 1721.8 | 1089.5 | 946.7  |
| 57.5°  | 1536.5 | 2943.9 | 2663.5 | 2462.9 | 2420.4 | 2442.5 | 2624.4 | 2937.1 | 1521.2 | 970.5  | 865.2  |
| 60°    | 1337.7 | 2588.7 | 2347.3 | 2192.6 | 2168.8 | 2185.8 | 2303.1 | 2600.6 | 1325.8 | 870.3  | 788.7  |
| 62.5°  | 1157.5 | 2231.7 | 2017.6 | 1959.8 | 1942.8 | 1942.8 | 1992.1 | 2264.0 | 1142.2 | 768.3  | 730.9  |
| 65°    | 1002.8 | 1925.8 | 1764.3 | 1742.2 | 1747.3 | 1745.6 | 1715.0 | 1890.1 | 979.0  | 678.2  | 679.9  |
| 67.5°  | 846.5  | 1601.1 | 1511.1 | 1538.2 | 1558.6 | 1550.1 | 1485.6 | 1572.2 | 826.1  | 596.6  | 634.0  |
| 70°    | 702.0  | 1322.4 | 1305.4 | 1366.6 | 1414.2 | 1370.0 | 1276.5 | 1285.0 | 678.2  | 516.7  | 574.5  |
| 72.5°  | 566.0  | 1069.1 | 1147.3 | 1232.3 | 1278.2 | 1228.9 | 1099.7 | 1062.3 | 545.6  | 443.6  | 520.1  |
| 75°    | 445.3  | 860.1  | 984.1  | 1109.9 | 1169.4 | 1106.5 | 956.9  | 829.5  | 433.4  | 373.9  | 475.9  |
| 77.5°  | 339.9  | 681.6  | 841.4  | 987.5  | 1045.3 | 990.9  | 832.9  | 647.6  | 317.8  | 314.4  | 428.3  |
| 80°    | 243.1  | 538.8  | 746.2  | 887.3  | 939.9  | 887.3  | 722.4  | 511.6  | 221.0  | 251.6  | 377.3  |
| 82.5°  | 159.8  | 416.4  | 649.3  | 807.4  | 865.2  | 800.6  | 627.2  | 394.3  | 141.1  | 204.0  | 339.9  |
| 85°    | 96.9   | 329.7  | 566.0  | 725.8  | 792.1  | 729.2  | 549.0  | 299.2  | 78.2   | 156.4  | 295.8  |
| 87.5°  | 42.5   | 255.0  | 504.8  | 669.7  | 729.2  | 671.4  | 489.5  | 234.6  | 32.3   | 122.4  | 253.3  |
| 90°    | 3.4    | 202.3  | 445.3  | 617.0  | 669.7  | 615.3  | 433.4  | 190.4  | 0.0    | 88.4   | 217.6  |
| 92.5°  | 3.4    | 173.4  | 407.9  | 571.1  | 630.6  | 569.4  | 390.9  | 156.4  | 0.0    | 64.6   | 183.6  |
| 95°    | 5.1    | 146.2  | 370.5  | 535.4  | 583.0  | 530.3  | 356.9  | 134.3  | 0.0    | 44.2   | 154.7  |
| 97.5°  | 5.1    | 132.6  | 339.9  | 499.7  | 552.4  | 496.3  | 326.3  | 120.7  | 0.0    | 32.3   | 125.8  |
| 100°   | 3.4    | 122.4  | 316.1  | 465.7  | 515.0  | 462.3  | 302.6  | 108.8  | 0.0    | 20.4   | 102.0  |
| 102.5° | 3.4    | 113.9  | 295.8  | 436.8  | 475.9  | 431.7  | 282.2  | 102.0  | 0.0    | 17.0   | 83.3   |
| 105°   | 3.4    | 108.8  | 277.1  | 402.8  | 448.7  | 402.8  | 265.2  | 95.2   | 0.0    | 13.6   | 64.6   |
| 107.5° | 3.4    | 102.0  | 263.5  | 384.1  | 421.5  | 380.7  | 251.6  | 90.1   | 0.0    | 13.6   | 52.7   |
| 110°   | 3.4    | 96.9   | 251.6  | 356.9  | 399.4  | 360.3  | 239.7  | 81.6   | 0.0    | 8.5    | 42.5   |

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-------|-------|-------|--------|-------|--------|------|--------|------|
| 112.5° | 3.4 | 88.4  | 239.7 | 338.2 | 379.0 | 339.9  | 229.5 | 74.8   | 0.0  | 8.5    | 37.4 |
| 115°   | 3.4 | 79.9  | 229.5 | 326.3 | 356.9 | 322.9  | 219.3 | 66.3   | 0.0  | 6.8    | 34.0 |
| 117.5° | 3.4 | 74.8  | 222.7 | 311.0 | 341.6 | 307.6  | 210.8 | 62.9   | 0.0  | 6.8    | 32.3 |
| 120°   | 3.4 | 71.4  | 212.5 | 295.8 | 319.5 | 292.4  | 200.6 | 59.5   | 0.0  | 6.8    | 30.6 |
| 122.5° | 3.4 | 68.0  | 204.0 | 282.2 | 307.6 | 280.5  | 192.1 | 57.8   | 0.0  | 5.1    | 27.2 |
| 125°   | 3.4 | 64.6  | 192.1 | 266.9 | 290.7 | 263.5  | 176.8 | 56.1   | 0.0  | 3.4    | 23.8 |
| 127.5° | 3.4 | 61.2  | 180.2 | 255.0 | 277.1 | 251.6  | 166.6 | 54.4   | 0.0  | 3.4    | 22.1 |
| 130°   | 3.4 | 59.5  | 164.9 | 239.7 | 261.8 | 236.3  | 154.7 | 54.4   | 0.0  | 3.4    | 20.4 |
| 132.5° | 3.4 | 57.8  | 147.9 | 224.4 | 248.2 | 221.0  | 142.8 | 52.7   | 0.0  | 3.4    | 17.0 |
| 135°   | 3.4 | 56.1  | 130.9 | 209.1 | 231.2 | 205.7  | 132.6 | 51.0   | 0.0  | 3.4    | 15.3 |
| 137.5° | 3.4 | 52.7  | 115.6 | 192.1 | 214.2 | 188.7  | 125.8 | 47.6   | 0.0  | 3.4    | 13.6 |
| 140°   | 3.4 | 49.3  | 103.7 | 178.5 | 197.2 | 173.4  | 115.6 | 44.2   | 0.0  | 1.7    | 10.2 |
| 142.5° | 3.4 | 44.2  | 93.5  | 161.5 | 180.2 | 158.1  | 103.7 | 37.4   | 0.0  | 1.7    | 10.2 |
| 145°   | 3.4 | 39.1  | 85.0  | 141.1 | 163.2 | 141.1  | 96.9  | 34.0   | 0.0  | 1.7    | 8.5  |
| 147.5° | 3.4 | 35.7  | 76.5  | 119.0 | 147.9 | 129.2  | 86.7  | 28.9   | 0.0  | 1.7    | 6.8  |
| 150°   | 3.4 | 32.3  | 66.3  | 100.3 | 130.9 | 113.9  | 79.9  | 25.5   | 0.0  | 0.0    | 5.1  |
| 152.5° | 3.4 | 28.9  | 57.8  | 83.3  | 117.3 | 103.7  | 71.4  | 22.1   | 0.0  | 0.0    | 3.4  |
| 155°   | 5.1 | 27.2  | 49.3  | 73.1  | 102.0 | 90.1   | 59.5  | 18.7   | 0.0  | 0.0    | 3.4  |
| 157.5° | 5.1 | 23.8  | 40.8  | 59.5  | 90.1  | 78.2   | 47.6  | 15.3   | 0.0  | 0.0    | 1.7  |
| 160°   | 5.1 | 22.1  | 34.0  | 45.9  | 74.8  | 64.6   | 39.1  | 11.9   | 0.0  | 0.0    | 1.7  |
| 162.5° | 5.1 | 20.4  | 28.9  | 34.0  | 61.2  | 51.0   | 30.6  | 8.5    | 0.0  | 0.0    | 1.7  |
| 165°   | 5.1 | 17.0  | 25.5  | 23.8  | 47.6  | 39.1   | 23.8  | 5.1    | 0.0  | 0.0    | 0.0  |
| 167.5° | 5.1 | 15.3  | 20.4  | 17.0  | 35.7  | 28.9   | 17.0  | 3.4    | 0.0  | 0.0    | 0.0  |
| 170°   | 5.1 | 11.9  | 17.0  | 11.9  | 10.2  | 18.7   | 10.2  | 1.7    | 0.0  | 0.0    | 0.0  |
| 172.5° | 5.1 | 10.2  | 13.6  | 8.5   | 3.4   | 10.2   | 5.1   | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 5.1 | 8.5   | 8.5   | 5.1   | 1.7   | 3.4    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 5.1 | 6.8   | 5.1   | 1.7   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 1.7 | 1.7   | 1.7   | 1.7   | 1.7   | 1.7    | 1.7   | 1.7    | 1.7  | 1.7    | 1.7  |

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 | 5190.9 |
| 2.5°   | 5048.2 | 4992.1 | 4941.1 | 4995.5 | 5034.6 | 5185.8 |
| 5°     | 4801.7 | 4742.2 | 4749.0 | 4798.3 | 4929.2 | 5204.5 |
| 7.5°   | 4546.8 | 4448.2 | 4472.0 | 4609.6 | 4803.4 | 5116.2 |
| 10°    | 4245.9 | 4155.8 | 4177.9 | 4385.3 | 4657.2 | 5066.9 |
| 12.5°  | 3977.3 | 3826.1 | 3955.2 | 4150.7 | 4487.3 | 5039.7 |
| 15°    | 3662.9 | 3543.9 | 3613.6 | 3902.6 | 4324.1 | 4913.9 |
| 17.5°  | 3323.0 | 3231.2 | 3314.5 | 3601.7 | 4123.5 | 4900.3 |
| 20°    | 3061.2 | 2933.7 | 3032.3 | 3348.4 | 3875.4 | 4757.5 |
| 22.5°  | 2767.1 | 2670.3 | 2773.9 | 3064.6 | 3622.1 | 4606.2 |
| 25°    | 2525.8 | 2423.8 | 2527.5 | 2816.4 | 3397.7 | 4427.8 |
| 27.5°  | 2291.2 | 2197.7 | 2291.2 | 2556.4 | 3175.1 | 4283.3 |
| 30°    | 2085.6 | 1995.5 | 2090.7 | 2345.6 | 2915.0 | 4067.4 |
| 32.5°  | 1893.5 | 1777.9 | 1900.3 | 2146.7 | 2685.6 | 3902.6 |
| 35°    | 1694.6 | 1607.9 | 1699.7 | 1973.4 | 2430.6 | 3671.4 |
| 37.5°  | 1529.7 | 1439.7 | 1548.4 | 1783.0 | 2214.7 | 3447.0 |
| 40°    | 1373.4 | 1293.5 | 1380.2 | 1630.0 | 2031.2 | 3173.4 |
| 42.5°  | 1251.0 | 1171.1 | 1259.5 | 1490.7 | 1845.9 | 2966.0 |
| 45°    | 1132.0 | 1072.5 | 1143.9 | 1337.7 | 1658.9 | 2692.4 |
| 47.5°  | 1045.3 | 994.3  | 1053.8 | 1225.5 | 1502.6 | 2445.9 |
| 50°    | 970.5  | 934.8  | 977.3  | 1113.3 | 1341.1 | 2189.2 |
| 52.5°  | 904.3  | 868.6  | 917.8  | 1026.6 | 1213.6 | 1954.7 |
| 55°    | 853.3  | 821.0  | 858.4  | 945.0  | 1086.1 | 1733.7 |
| 57.5°  | 797.2  | 776.8  | 805.7  | 858.4  | 985.8  | 1536.5 |
| 60°    | 756.4  | 734.3  | 764.9  | 807.4  | 872.0  | 1337.7 |
| 62.5°  | 710.5  | 698.6  | 717.3  | 751.3  | 785.3  | 1157.5 |
| 65°    | 669.7  | 652.7  | 676.5  | 688.4  | 685.0  | 1002.8 |
| 67.5°  | 625.5  | 620.4  | 634.0  | 635.7  | 610.2  | 846.5  |
| 70°    | 579.6  | 576.2  | 593.2  | 583.0  | 530.3  | 702.0  |
| 72.5°  | 542.2  | 542.2  | 552.4  | 532.0  | 462.3  | 566.0  |
| 75°    | 501.4  | 504.8  | 513.3  | 489.5  | 389.2  | 445.3  |
| 77.5°  | 464.0  | 467.4  | 469.1  | 436.8  | 326.3  | 339.9  |
| 80°    | 421.5  | 419.8  | 436.8  | 396.0  | 265.2  | 243.1  |
| 82.5°  | 384.1  | 377.3  | 387.5  | 346.7  | 214.2  | 159.8  |
| 85°    | 341.6  | 343.3  | 350.1  | 302.6  | 171.7  | 96.9   |
| 87.5°  | 307.6  | 307.6  | 314.4  | 266.9  | 129.2  | 42.5   |
| 90°    | 266.9  | 263.5  | 273.7  | 226.1  | 96.9   | 3.4    |
| 92.5°  | 232.9  | 232.9  | 239.7  | 193.8  | 71.4   | 3.4    |
| 95°    | 198.9  | 200.6  | 205.7  | 159.8  | 54.4   | 5.1    |
| 97.5°  | 170.0  | 171.7  | 178.5  | 136.0  | 39.1   | 5.1    |
| 100°   | 144.5  | 146.2  | 149.6  | 108.8  | 30.6   | 3.4    |
| 102.5° | 120.7  | 125.8  | 125.8  | 90.1   | 23.8   | 3.4    |
| 105°   | 102.0  | 108.8  | 105.4  | 73.1   | 22.1   | 3.4    |
| 107.5° | 85.0   | 91.8   | 91.8   | 59.5   | 22.1   | 3.4    |
| 110°   | 69.7   | 79.9   | 78.2   | 51.0   | 17.0   | 3.4    |

TEST NUMBER: P895350

CATALOG NUMBER: 8TMB-SC3-ASML-UNV-CC83-HI-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 59.5   | 68.0 | 62.9   | 44.2 | 17.0   | 3.4  |
| 115°   | 51.0   | 59.5 | 56.1   | 40.8 | 15.3   | 3.4  |
| 117.5° | 45.9   | 51.0 | 51.0   | 39.1 | 15.3   | 3.4  |
| 120°   | 42.5   | 47.6 | 45.9   | 37.4 | 15.3   | 3.4  |
| 122.5° | 39.1   | 42.5 | 42.5   | 34.0 | 13.6   | 3.4  |
| 125°   | 37.4   | 39.1 | 40.8   | 30.6 | 13.6   | 3.4  |
| 127.5° | 35.7   | 39.1 | 39.1   | 28.9 | 11.9   | 3.4  |
| 130°   | 32.3   | 35.7 | 35.7   | 27.2 | 11.9   | 3.4  |
| 132.5° | 28.9   | 32.3 | 32.3   | 25.5 | 11.9   | 3.4  |
| 135°   | 27.2   | 30.6 | 30.6   | 23.8 | 11.9   | 3.4  |
| 137.5° | 25.5   | 27.2 | 27.2   | 22.1 | 11.9   | 3.4  |
| 140°   | 22.1   | 25.5 | 25.5   | 20.4 | 11.9   | 3.4  |
| 142.5° | 20.4   | 23.8 | 23.8   | 18.7 | 10.2   | 3.4  |
| 145°   | 18.7   | 20.4 | 22.1   | 17.0 | 10.2   | 3.4  |
| 147.5° | 15.3   | 18.7 | 20.4   | 15.3 | 10.2   | 3.4  |
| 150°   | 11.9   | 17.0 | 17.0   | 15.3 | 10.2   | 3.4  |
| 152.5° | 8.5    | 15.3 | 15.3   | 13.6 | 8.5    | 3.4  |
| 155°   | 6.8    | 11.9 | 13.6   | 11.9 | 8.5    | 5.1  |
| 157.5° | 5.1    | 10.2 | 11.9   | 11.9 | 8.5    | 5.1  |
| 160°   | 3.4    | 8.5  | 10.2   | 10.2 | 6.8    | 5.1  |
| 162.5° | 1.7    | 6.8  | 8.5    | 10.2 | 6.8    | 5.1  |
| 165°   | 0.0    | 5.1  | 6.8    | 8.5  | 6.8    | 5.1  |
| 167.5° | 0.0    | 3.4  | 5.1    | 6.8  | 5.1    | 5.1  |
| 170°   | 0.0    | 1.7  | 3.4    | 5.1  | 5.1    | 5.1  |
| 172.5° | 0.0    | 0.0  | 1.7    | 3.4  | 3.4    | 5.1  |
| 175°   | 0.0    | 0.0  | 0.0    | 1.7  | 3.4    | 5.1  |
| 177.5° | 0.0    | 0.0  | 0.0    | 1.7  | 3.4    | 5.1  |
| 180°   | 1.7    | 1.7  | 1.7    | 1.7  | 1.7    | 1.7  |

(END OF REPORT)