

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: P798353

Luminaire Tested: 4VT3-SL3C3-P-UNV-LOW-3500K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P233275)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4VT3-SL3C3-P-UNV-LOW-3500K
Description: Vaportite LED Selectable
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

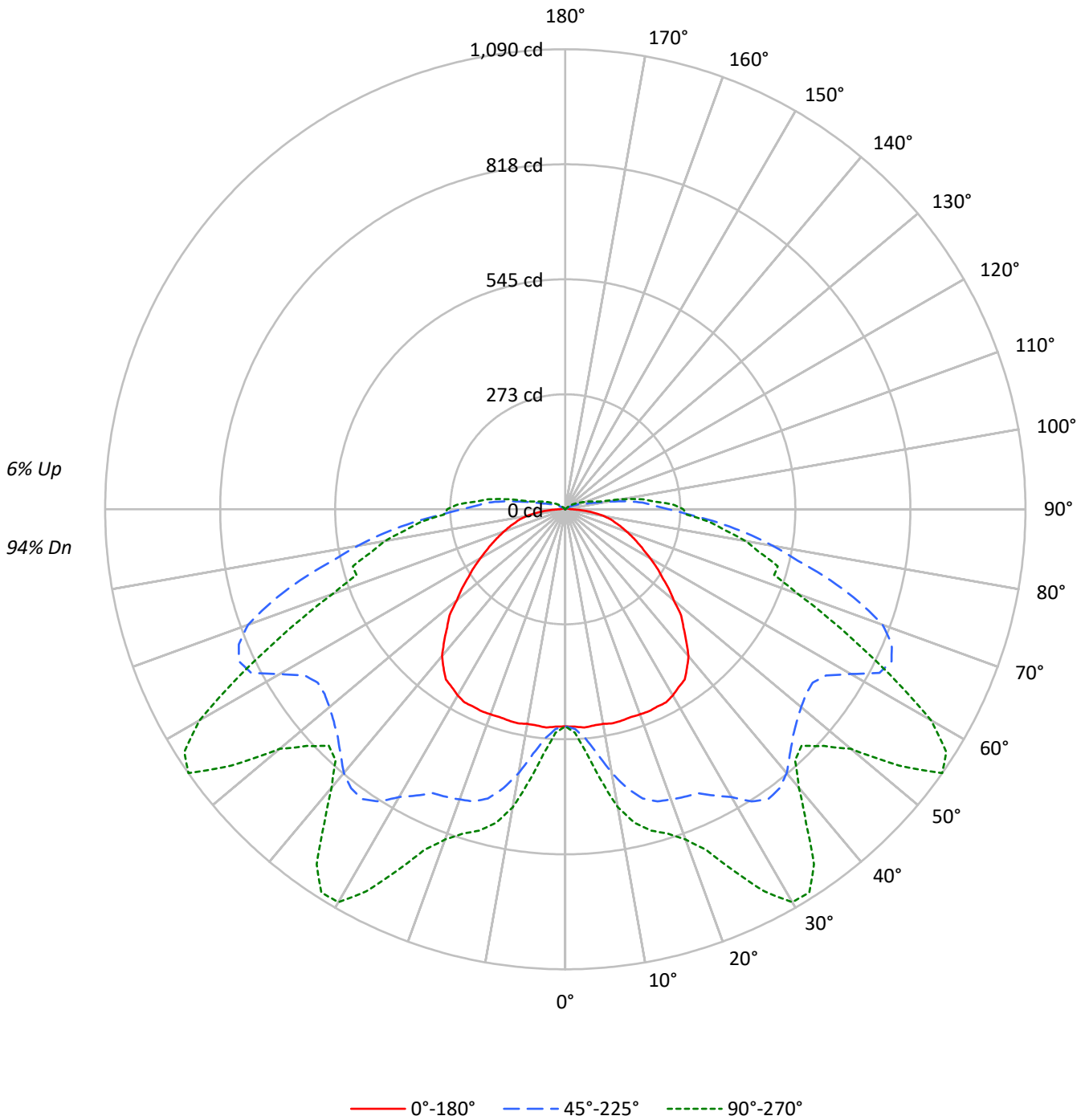
Lumens per Lamp: N/A
Luminaire Lumens: 3972.6 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 2.17 / 2.13
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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: 24 FT



TEST NUMBER: P798353
CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P798353

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 96 | 96 | 96 | 94 |
| 1 | 103 | 96 | 90 | 85 | 99 | 93 | 88 | 83 | 88 | 83 | 79 | 82 | 79 | 75 | 78 | 75 | 72 | 78 | 75 | 72 | 69 |
| 2 | 91 | 81 | 72 | 65 | 88 | 78 | 70 | 64 | 74 | 67 | 61 | 69 | 64 | 59 | 65 | 60 | 56 | 65 | 60 | 56 | 54 |
| 3 | 82 | 69 | 59 | 52 | 79 | 67 | 58 | 51 | 63 | 55 | 49 | 59 | 53 | 47 | 56 | 50 | 45 | 56 | 50 | 45 | 43 |
| 4 | 74 | 60 | 50 | 42 | 71 | 58 | 49 | 41 | 55 | 47 | 40 | 52 | 44 | 39 | 49 | 42 | 37 | 49 | 42 | 37 | 35 |
| 5 | 68 | 53 | 43 | 35 | 65 | 51 | 42 | 35 | 48 | 40 | 34 | 46 | 38 | 33 | 43 | 37 | 32 | 43 | 37 | 32 | 29 |
| 6 | 62 | 47 | 37 | 30 | 60 | 46 | 36 | 29 | 43 | 35 | 29 | 41 | 33 | 28 | 39 | 32 | 27 | 39 | 32 | 27 | 25 |
| 7 | 57 | 42 | 33 | 26 | 55 | 41 | 32 | 25 | 39 | 31 | 25 | 37 | 30 | 24 | 35 | 28 | 23 | 35 | 28 | 23 | 21 |
| 8 | 53 | 38 | 29 | 23 | 51 | 37 | 28 | 22 | 35 | 27 | 22 | 33 | 26 | 21 | 32 | 25 | 21 | 32 | 25 | 21 | 18 |
| 9 | 49 | 35 | 26 | 20 | 48 | 34 | 25 | 20 | 32 | 25 | 19 | 31 | 24 | 19 | 29 | 23 | 18 | 29 | 23 | 18 | 16 |
| 10 | 46 | 32 | 23 | 18 | 44 | 31 | 23 | 18 | 30 | 22 | 17 | 28 | 22 | 17 | 27 | 21 | 16 | 27 | 21 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 2767 | 2767 | 2767 |
| 5° | 2804 | 2940 | 3131 |
| 10° | 2820 | 3464 | 3917 |
| 15° | 2887 | 3952 | 4391 |
| 20° | 2962 | 4190 | 4768 |
| 25° | 3062 | 4408 | 5614 |
| 30° | 3164 | 4891 | 6680 |
| 35° | 3238 | 5508 | 6746 |
| 40° | 3189 | 5731 | 6049 |
| 45° | 3013 | 5800 | 6029 |
| 50° | 2807 | 6104 | 7391 |
| 55° | 2626 | 6716 | 10225 |
| 60° | 2498 | 8398 | 10769 |
| 65° | 2429 | 10859 | 9848 |
| 70° | 2436 | 12587 | 9221 |
| 75° | 2564 | 13529 | 10834 |
| 80° | 2885 | 15487 | 13442 |
| 85° | 3131 | 22434 | 21156 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°

Vertical Angle: 87.5°

Luminance: 44579 cd/sqm



TEST NUMBER: P798353
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.8 | 1.4 |
| 10°-20° | 192.9 | 4.9 |
| 20°-30° | 348.2 | 8.8 |
| 30°-40° | 492.2 | 12.4 |
| 40°-50° | 525.7 | 13.2 |
| 50°-60° | 617.3 | 15.5 |
| 60°-70° | 624.3 | 15.7 |
| 70°-80° | 509.6 | 12.8 |
| 80°-90° | 349.7 | 8.8 |
| 90°-100° | 176.6 | 4.4 |
| 100°-110° | 52.3 | 1.3 |
| 110°-120° | 20.6 | 0.5 |
| 120°-130° | 7.3 | 0.2 |
| 130°-140° | 1.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 595.9 | 15.0 |
| 0°-40° | 1088.1 | 27.4 |
| 0°-60° | 2231.2 | 56.2 |
| 0°-90° | 3714.7 | 93.5 |
| 90°-120° | 249.5 | 6.3 |
| 90°-150° | 257.9 | 6.5 |
| 90°-180° | 258.0 | 6.5 |
| 0°-180° | 3972.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 514 | 514 | 514 | 514 | 514 | |
| 5° | 519 | 525 | 544 | 569 | 580 | 49 |
| 15° | 518 | 596 | 709 | 771 | 788 | 147 |
| 25° | 516 | 627 | 742 | 880 | 945 | 239 |
| 35° | 493 | 581 | 838 | 1017 | 1027 | 305 |
| 45° | 396 | 520 | 762 | 806 | 792 | 306 |
| 55° | 280 | 409 | 716 | 986 | 1090 | 252 |
| 65° | 191 | 347 | 853 | 840 | 773 | 190 |
| 75° | 123 | 455 | 651 | 524 | 521 | 131 |
| 85° | 51 | 390 | 363 | 344 | 343 | 50 |
| 90° | 14 | 289 | 244 | 269 | 279 | 10 |
| 95° | 10 | 146 | 183 | 211 | 211 | 8 |
| 105° | 5 | 15 | 53 | 71 | 70 | 5 |
| 115° | 2 | 2 | 21 | 37 | 37 | 2 |
| 125° | 1 | 0 | 5 | 17 | 18 | 1 |
| 135° | 0 | 0 | 0 | 3 | 3 | 0 |
| 145° | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P798353

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 |
| 2.5° | 515.6 | 518.1 | 519.0 | 516.6 | 518.1 | 519.0 | 518.1 | 519.5 | 520.5 | 522.0 | 521.0 |
| 5° | 519.0 | 518.5 | 521.0 | 518.5 | 521.5 | 525.4 | 527.4 | 532.8 | 535.3 | 541.7 | 544.2 |
| 7.5° | 516.6 | 520.0 | 520.0 | 522.5 | 527.9 | 542.7 | 544.7 | 554.0 | 565.3 | 576.2 | 584.1 |
| 10° | 516.1 | 520.0 | 526.9 | 533.8 | 543.2 | 555.5 | 563.9 | 581.1 | 602.3 | 618.1 | 633.8 |
| 12.5° | 519.5 | 521.0 | 532.8 | 542.2 | 560.9 | 574.2 | 585.1 | 611.7 | 634.3 | 654.5 | 676.7 |
| 15° | 518.1 | 522.0 | 535.3 | 551.6 | 578.2 | 595.9 | 607.2 | 639.7 | 667.3 | 687.0 | 709.3 |
| 17.5° | 516.1 | 523.5 | 540.2 | 561.4 | 592.4 | 615.1 | 627.4 | 659.4 | 685.6 | 711.3 | 725.6 |
| 20° | 517.1 | 525.4 | 544.7 | 573.7 | 604.3 | 625.9 | 638.8 | 671.8 | 697.4 | 719.1 | 731.5 |
| 22.5° | 518.1 | 527.4 | 546.6 | 579.6 | 608.7 | 630.9 | 644.2 | 674.2 | 696.9 | 722.1 | 737.4 |
| 25° | 515.6 | 525.9 | 549.1 | 576.2 | 611.7 | 627.4 | 641.2 | 670.3 | 694.4 | 723.6 | 742.3 |
| 27.5° | 516.1 | 524.0 | 545.6 | 575.2 | 602.8 | 624.5 | 631.9 | 664.9 | 694.9 | 727.5 | 764.5 |
| 30° | 509.2 | 518.5 | 542.2 | 562.9 | 590.0 | 610.2 | 621.5 | 658.0 | 697.4 | 740.3 | 787.1 |
| 32.5° | 499.7 | 509.7 | 530.9 | 545.6 | 577.7 | 594.9 | 611.2 | 657.0 | 708.3 | 762.0 | 820.6 |
| 35° | 492.8 | 495.8 | 506.2 | 522.5 | 558.5 | 581.1 | 601.8 | 657.0 | 717.2 | 776.3 | 838.4 |
| 37.5° | 473.6 | 475.1 | 484.0 | 508.2 | 540.7 | 572.7 | 595.9 | 657.5 | 720.6 | 778.3 | 833.4 |
| 40° | 453.9 | 454.4 | 463.8 | 487.9 | 525.0 | 560.4 | 586.0 | 651.1 | 710.8 | 764.0 | 815.7 |
| 42.5° | 424.4 | 428.3 | 441.6 | 465.7 | 513.1 | 543.2 | 572.7 | 630.9 | 686.5 | 738.9 | 787.6 |
| 45° | 395.8 | 401.2 | 412.0 | 440.6 | 489.4 | 519.5 | 548.6 | 605.3 | 656.5 | 713.2 | 762.0 |
| 47.5° | 372.1 | 371.6 | 385.9 | 417.5 | 460.8 | 491.8 | 518.5 | 572.7 | 629.4 | 692.0 | 743.8 |
| 50° | 335.2 | 343.1 | 358.3 | 389.9 | 430.8 | 464.8 | 488.4 | 542.2 | 603.3 | 665.8 | 729.0 |
| 52.5° | 308.6 | 313.5 | 331.7 | 360.8 | 403.7 | 431.7 | 459.3 | 519.0 | 585.5 | 661.9 | 718.7 |
| 55° | 279.9 | 286.3 | 305.1 | 334.2 | 382.0 | 409.1 | 437.2 | 503.7 | 581.1 | 656.5 | 715.7 |
| 57.5° | 256.8 | 261.7 | 278.9 | 311.5 | 360.3 | 392.3 | 424.8 | 492.8 | 575.2 | 652.1 | 732.4 |
| 60° | 232.1 | 237.1 | 259.2 | 291.7 | 343.6 | 377.1 | 408.1 | 484.0 | 573.2 | 670.3 | 780.2 |
| 62.5° | 210.0 | 216.9 | 237.1 | 271.0 | 323.4 | 356.9 | 392.8 | 481.0 | 595.9 | 723.6 | 838.9 |
| 65° | 190.7 | 198.1 | 220.3 | 254.3 | 305.6 | 347.0 | 390.4 | 506.7 | 641.2 | 766.4 | 852.7 |
| 67.5° | 172.5 | 180.4 | 203.1 | 238.0 | 303.2 | 354.9 | 414.0 | 548.6 | 673.7 | 783.2 | 836.9 |
| 70° | 154.8 | 164.6 | 188.8 | 237.5 | 328.8 | 396.3 | 456.4 | 577.7 | 690.5 | 767.4 | 799.9 |
| 72.5° | 139.0 | 150.8 | 185.3 | 254.8 | 370.7 | 435.2 | 489.4 | 588.5 | 672.7 | 728.0 | 729.5 |
| 75° | 123.3 | 141.5 | 192.2 | 284.3 | 397.8 | 455.4 | 505.2 | 579.1 | 640.7 | 667.3 | 650.6 |
| 77.5° | 110.0 | 137.1 | 203.1 | 298.1 | 409.1 | 463.3 | 501.7 | 556.5 | 589.5 | 590.0 | 564.9 |
| 80° | 93.1 | 127.2 | 200.1 | 298.1 | 403.2 | 453.4 | 486.4 | 516.1 | 525.0 | 518.1 | 499.7 |
| 82.5° | 72.9 | 110.9 | 187.3 | 282.9 | 384.0 | 428.3 | 453.4 | 466.2 | 460.3 | 452.9 | 432.7 |
| 85° | 50.7 | 89.2 | 165.6 | 262.7 | 352.9 | 389.9 | 410.6 | 410.6 | 395.3 | 373.6 | 363.3 |
| 87.5° | 29.6 | 65.0 | 142.5 | 231.6 | 313.5 | 346.5 | 361.3 | 337.7 | 314.0 | 302.7 | 294.7 |
| 90° | 14.3 | 43.4 | 114.9 | 204.0 | 270.1 | 288.8 | 289.3 | 258.2 | 242.0 | 244.0 | 244.4 |
| 92.5° | 11.8 | 25.6 | 90.2 | 152.8 | 200.6 | 210.0 | 210.0 | 197.2 | 193.7 | 197.6 | 208.0 |
| 95° | 9.9 | 10.8 | 47.3 | 101.6 | 137.1 | 145.9 | 150.8 | 153.8 | 163.2 | 174.5 | 183.4 |
| 97.5° | 8.4 | 8.4 | 14.8 | 54.7 | 91.6 | 106.0 | 115.9 | 123.3 | 132.1 | 137.1 | 143.5 |
| 100° | 6.9 | 6.9 | 7.9 | 18.2 | 51.2 | 64.5 | 71.9 | 76.9 | 84.7 | 93.1 | 102.6 |
| 102.5° | 5.9 | 5.9 | 5.9 | 9.4 | 19.2 | 25.1 | 31.5 | 42.4 | 51.2 | 62.1 | 70.4 |
| 105° | 4.9 | 4.9 | 4.9 | 5.9 | 11.8 | 15.3 | 20.2 | 29.1 | 36.9 | 46.3 | 53.2 |
| 107.5° | 3.9 | 3.9 | 3.9 | 3.9 | 7.9 | 11.3 | 14.3 | 21.7 | 30.1 | 37.4 | 42.9 |
| 110° | 3.0 | 3.0 | 3.0 | 3.4 | 4.9 | 7.4 | 9.9 | 16.3 | 22.7 | 29.1 | 35.0 |



TEST NUMBER: P798353
 CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-------|-----|------|------|------|------|
| 112.5° | 2.5 | 2.5 | 2.5 | 2.5 | 3.0 | 3.9 | 6.4 | 11.8 | 16.7 | 22.2 | 27.1 |
| 115° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 7.4 | 11.8 | 15.8 | 21.2 |
| 117.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.9 | 8.4 | 12.3 | 15.8 |
| 120° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 4.9 | 8.9 | 12.3 |
| 122.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 2.0 | 5.4 | 8.9 |
| 125° | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.5 | 5.4 |
| 127.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| 130° | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



TEST NUMBER: P798353

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 | 514.1 |
| 2.5° | 521.5 | 523.0 | 524.0 | 528.9 | 525.9 | 531.4 | 526.4 | 525.9 | 528.4 | 529.9 |
| 5° | 551.1 | 558.5 | 564.4 | 571.3 | 569.3 | 572.7 | 572.2 | 572.2 | 583.1 | 579.6 |
| 7.5° | 599.3 | 606.7 | 617.6 | 628.4 | 625.9 | 638.8 | 640.2 | 642.2 | 641.7 | 647.1 |
| 10° | 649.1 | 663.4 | 674.2 | 692.0 | 690.5 | 697.9 | 707.8 | 704.8 | 712.7 | 716.7 |
| 12.5° | 693.9 | 710.3 | 727.5 | 743.8 | 742.8 | 747.2 | 751.7 | 754.6 | 759.1 | 761.0 |
| 15° | 727.5 | 743.3 | 758.1 | 772.8 | 771.4 | 777.3 | 779.7 | 782.2 | 788.1 | 788.1 |
| 17.5° | 748.2 | 758.6 | 772.4 | 788.6 | 794.5 | 797.5 | 794.5 | 802.9 | 808.8 | 805.4 |
| 20° | 752.6 | 767.9 | 789.6 | 798.5 | 808.3 | 813.7 | 816.7 | 827.0 | 826.5 | 832.5 |
| 22.5° | 761.5 | 782.2 | 802.4 | 830.0 | 832.5 | 845.8 | 854.6 | 865.5 | 871.9 | 873.3 |
| 25° | 776.3 | 809.3 | 838.9 | 869.4 | 880.2 | 896.5 | 915.3 | 928.6 | 939.5 | 945.4 |
| 27.5° | 806.8 | 847.7 | 892.6 | 930.1 | 936.5 | 956.2 | 983.3 | 1003.0 | 1013.3 | 1020.7 |
| 30° | 845.8 | 894.0 | 940.4 | 979.9 | 998.1 | 1014.8 | 1040.0 | 1049.8 | 1066.6 | 1074.9 |
| 32.5° | 873.8 | 922.2 | 971.5 | 1008.9 | 1026.2 | 1041.4 | 1055.7 | 1064.6 | 1068.0 | 1075.9 |
| 35° | 887.1 | 933.1 | 983.8 | 1005.0 | 1017.3 | 1022.2 | 1028.6 | 1027.1 | 1027.6 | 1026.7 |
| 37.5° | 880.2 | 922.7 | 953.7 | 971.0 | 973.4 | 972.5 | 965.1 | 948.3 | 936.0 | 937.0 |
| 40° | 862.0 | 897.5 | 917.3 | 916.8 | 910.9 | 901.9 | 885.2 | 864.0 | 856.1 | 861.0 |
| 42.5° | 839.4 | 862.5 | 865.5 | 859.1 | 844.8 | 843.3 | 819.6 | 812.7 | 804.9 | 805.4 |
| 45° | 810.8 | 824.1 | 828.5 | 814.7 | 806.3 | 804.9 | 794.0 | 790.1 | 791.6 | 792.1 |
| 47.5° | 784.7 | 799.0 | 801.4 | 798.0 | 796.0 | 799.0 | 802.9 | 812.7 | 813.7 | 830.0 |
| 50° | 768.4 | 783.7 | 800.4 | 813.2 | 818.2 | 834.4 | 856.6 | 866.9 | 879.3 | 882.7 |
| 52.5° | 765.0 | 791.1 | 831.5 | 863.5 | 887.1 | 908.9 | 935.5 | 973.4 | 985.8 | 997.6 |
| 55° | 774.8 | 830.5 | 895.0 | 947.3 | 986.3 | 1012.4 | 1048.8 | 1066.6 | 1079.4 | 1089.7 |
| 57.5° | 820.6 | 907.9 | 986.3 | 1023.2 | 1035.0 | 1048.3 | 1055.2 | 1060.2 | 1064.1 | 1070.0 |
| 60° | 894.5 | 957.7 | 999.6 | 1017.8 | 1022.2 | 1024.7 | 1020.2 | 1011.9 | 1004.0 | 1000.5 |
| 62.5° | 917.3 | 954.2 | 971.0 | 963.1 | 955.2 | 948.8 | 911.4 | 895.5 | 880.2 | 884.7 |
| 65° | 902.9 | 909.9 | 890.6 | 863.5 | 840.3 | 835.4 | 801.9 | 788.6 | 768.9 | 773.3 |
| 67.5° | 846.7 | 824.1 | 797.0 | 761.0 | 749.7 | 732.9 | 704.3 | 692.0 | 682.1 | 675.2 |
| 70° | 790.6 | 746.2 | 710.3 | 670.8 | 658.5 | 645.6 | 610.2 | 593.4 | 588.5 | 586.0 |
| 72.5° | 697.9 | 655.0 | 613.6 | 580.1 | 570.8 | 555.0 | 539.2 | 524.0 | 518.1 | 518.5 |
| 75° | 603.8 | 564.4 | 537.8 | 522.5 | 523.5 | 521.5 | 518.5 | 515.1 | 517.1 | 521.0 |
| 77.5° | 533.3 | 511.7 | 508.7 | 511.2 | 508.7 | 504.8 | 485.9 | 478.5 | 469.7 | 471.2 |
| 80° | 483.0 | 472.1 | 454.4 | 445.5 | 449.0 | 445.0 | 441.1 | 431.3 | 435.2 | 433.7 |
| 82.5° | 418.9 | 410.6 | 403.2 | 396.3 | 396.8 | 393.3 | 382.5 | 379.5 | 374.1 | 382.0 |
| 85° | 358.8 | 347.0 | 345.0 | 342.6 | 344.1 | 342.6 | 342.1 | 338.1 | 339.1 | 342.6 |
| 87.5° | 297.7 | 296.7 | 296.2 | 293.7 | 292.2 | 291.2 | 289.8 | 288.3 | 288.3 | 287.8 |
| 90° | 246.9 | 250.4 | 259.2 | 263.7 | 268.6 | 271.5 | 277.5 | 277.9 | 279.9 | 279.4 |
| 92.5° | 218.8 | 229.2 | 243.5 | 251.8 | 254.8 | 255.3 | 259.2 | 257.3 | 256.3 | 255.8 |
| 95° | 192.7 | 197.2 | 203.1 | 207.0 | 211.4 | 211.9 | 212.4 | 210.0 | 210.5 | 210.9 |
| 97.5° | 150.4 | 156.8 | 164.1 | 172.5 | 176.5 | 176.0 | 180.9 | 180.4 | 180.4 | 182.9 |
| 100° | 110.9 | 119.3 | 124.7 | 134.1 | 132.1 | 130.2 | 133.6 | 131.6 | 140.0 | 137.1 |
| 102.5° | 77.3 | 80.3 | 85.2 | 86.2 | 86.7 | 85.7 | 86.7 | 84.7 | 84.7 | 83.7 |
| 105° | 59.1 | 63.5 | 68.0 | 70.9 | 71.4 | 71.4 | 71.9 | 70.4 | 70.4 | 70.0 |
| 107.5° | 48.8 | 53.2 | 56.7 | 58.6 | 61.1 | 60.6 | 61.6 | 61.1 | 61.6 | 60.6 |
| 110° | 39.4 | 43.8 | 47.8 | 49.8 | 51.7 | 51.7 | 52.2 | 52.2 | 51.7 | 51.7 |



TEST NUMBER: P798353
 CATALOG NUMBER: 4VT3-SL3C3-P-UNV-LOW-3500K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 32.0 | 36.0 | 38.9 | 41.9 | 43.4 | 43.8 | 43.8 | 44.3 | 44.3 | 44.3 |
| 115° | 25.1 | 29.1 | 33.0 | 35.5 | 36.9 | 37.4 | 37.9 | 37.4 | 36.9 | 36.9 |
| 117.5° | 19.7 | 23.2 | 26.6 | 29.6 | 31.0 | 31.5 | 32.5 | 32.0 | 32.0 | 31.5 |
| 120° | 15.8 | 18.7 | 22.2 | 24.6 | 25.6 | 26.6 | 27.6 | 27.1 | 26.6 | 27.1 |
| 122.5° | 12.3 | 14.8 | 17.7 | 20.2 | 21.2 | 21.7 | 22.2 | 21.7 | 22.2 | 21.7 |
| 125° | 8.9 | 11.3 | 13.8 | 15.8 | 16.7 | 17.7 | 18.2 | 17.7 | 17.7 | 17.7 |
| 127.5° | 4.9 | 7.4 | 9.9 | 11.8 | 12.8 | 13.3 | 14.3 | 13.8 | 13.3 | 13.3 |
| 130° | 1.5 | 4.4 | 6.9 | 8.4 | 9.4 | 10.3 | 10.3 | 10.3 | 9.9 | 9.4 |
| 132.5° | 0.0 | 1.0 | 3.4 | 5.4 | 6.4 | 6.9 | 6.9 | 6.9 | 6.4 | 6.4 |
| 135° | 0.0 | 0.0 | 0.5 | 2.0 | 3.0 | 3.4 | 3.9 | 3.4 | 3.4 | 3.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 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 |
| 157.5° | 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 |
| 162.5° | 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 |
| 167.5° | 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 |
| 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)