

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: P798355

Luminaire Tested: 4VT3-SL3C3-P-UNV-MID-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798355
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-MID-3000K
Description: Vaportite LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

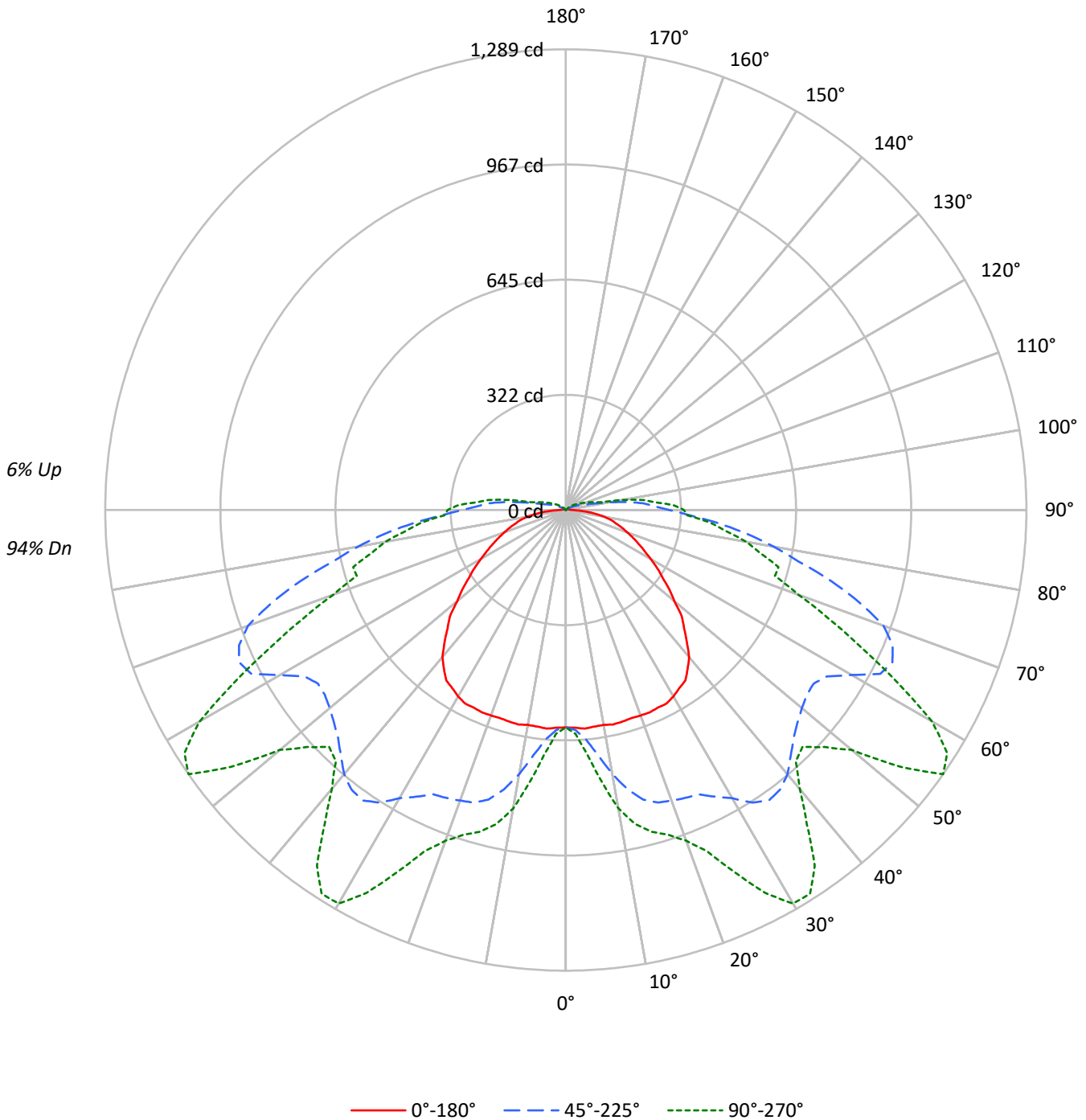
Lumens per Lamp: N/A
Luminaire Lumens: 4698.5 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 2.17 / 2.13
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.6
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: P798355
CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P798355

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

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 | 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° | 3273 | 3273 | 3273 |
| 5° | 3317 | 3477 | 3704 |
| 10° | 3336 | 4097 | 4633 |
| 15° | 3414 | 4674 | 5193 |
| 20° | 3503 | 4955 | 5639 |
| 25° | 3621 | 5213 | 6640 |
| 30° | 3742 | 5786 | 7901 |
| 35° | 3830 | 6515 | 7978 |
| 40° | 3772 | 6778 | 7155 |
| 45° | 3563 | 6860 | 7130 |
| 50° | 3319 | 7219 | 8741 |
| 55° | 3107 | 7943 | 12093 |
| 60° | 2955 | 9933 | 12738 |
| 65° | 2873 | 12843 | 11649 |
| 70° | 2881 | 14888 | 10906 |
| 75° | 3032 | 16001 | 12813 |
| 80° | 3412 | 18317 | 15900 |
| 85° | 3705 | 26534 | 25022 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°

Vertical Angle: 87.5°

Luminance: 52722 cd/sqm



TEST NUMBER: P798355
 CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.8 | 1.4 |
| 10°-20° | 228.2 | 4.9 |
| 20°-30° | 411.9 | 8.8 |
| 30°-40° | 582.1 | 12.4 |
| 40°-50° | 621.8 | 13.2 |
| 50°-60° | 730.2 | 15.5 |
| 60°-70° | 738.4 | 15.7 |
| 70°-80° | 602.7 | 12.8 |
| 80°-90° | 413.6 | 8.8 |
| 90°-100° | 208.9 | 4.4 |
| 100°-110° | 61.9 | 1.3 |
| 110°-120° | 24.3 | 0.5 |
| 120°-130° | 8.6 | 0.2 |
| 130°-140° | 1.2 | 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° | 704.8 | 15.0 |
| 0°-40° | 1286.9 | 27.4 |
| 0°-60° | 2638.9 | 56.2 |
| 0°-90° | 4393.5 | 93.5 |
| 90°-120° | 295.1 | 6.3 |
| 90°-150° | 305.0 | 6.5 |
| 90°-180° | 305.0 | 6.5 |
| 0°-180° | 4698.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 608 | 608 | 608 | 608 | 608 | |
| 5° | 614 | 622 | 644 | 673 | 686 | 58 |
| 15° | 613 | 705 | 839 | 912 | 932 | 173 |
| 25° | 610 | 742 | 878 | 1041 | 1118 | 282 |
| 35° | 583 | 687 | 992 | 1203 | 1214 | 361 |
| 45° | 468 | 614 | 901 | 954 | 937 | 362 |
| 55° | 331 | 484 | 846 | 1166 | 1289 | 298 |
| 65° | 226 | 410 | 1008 | 994 | 915 | 224 |
| 75° | 146 | 539 | 770 | 619 | 616 | 155 |
| 85° | 60 | 461 | 430 | 407 | 405 | 60 |
| 90° | 17 | 342 | 289 | 318 | 330 | 11 |
| 95° | 12 | 173 | 217 | 250 | 250 | 9 |
| 105° | 6 | 18 | 63 | 84 | 83 | 6 |
| 115° | 2 | 2 | 25 | 44 | 44 | 2 |
| 125° | 1 | 1 | 6 | 20 | 21 | 1 |
| 135° | 0 | 0 | 0 | 4 | 4 | 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: P798355

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |
| 2.5° | 609.8 | 612.7 | 613.9 | 611.0 | 612.7 | 613.9 | 612.7 | 614.5 | 615.6 | 617.4 | 616.2 |
| 5° | 613.9 | 613.3 | 616.2 | 613.3 | 616.8 | 621.5 | 623.8 | 630.2 | 633.1 | 640.7 | 643.6 |
| 7.5° | 611.0 | 615.1 | 615.1 | 618.0 | 624.4 | 641.9 | 644.2 | 655.3 | 668.7 | 681.5 | 690.8 |
| 10° | 610.4 | 615.1 | 623.2 | 631.4 | 642.4 | 657.0 | 666.9 | 687.3 | 712.4 | 731.0 | 749.6 |
| 12.5° | 614.5 | 616.2 | 630.2 | 641.3 | 663.4 | 679.1 | 692.0 | 723.4 | 750.2 | 774.1 | 800.3 |
| 15° | 612.7 | 617.4 | 633.1 | 652.3 | 683.8 | 704.8 | 718.2 | 756.6 | 789.3 | 812.6 | 838.9 |
| 17.5° | 610.4 | 619.1 | 638.9 | 664.0 | 700.7 | 727.5 | 742.1 | 779.9 | 810.8 | 841.2 | 858.1 |
| 20° | 611.6 | 621.5 | 644.2 | 678.6 | 714.7 | 740.3 | 755.5 | 794.5 | 824.8 | 850.6 | 865.1 |
| 22.5° | 612.7 | 623.8 | 646.5 | 685.6 | 719.9 | 746.2 | 761.9 | 797.4 | 824.2 | 854.1 | 872.1 |
| 25° | 609.8 | 622.0 | 649.4 | 681.5 | 723.4 | 742.1 | 758.4 | 792.8 | 821.3 | 855.8 | 877.9 |
| 27.5° | 610.4 | 619.7 | 645.4 | 680.3 | 712.9 | 738.6 | 747.3 | 786.4 | 821.9 | 860.5 | 904.2 |
| 30° | 602.2 | 613.3 | 641.3 | 665.7 | 697.8 | 721.7 | 735.1 | 778.2 | 824.8 | 875.6 | 931.0 |
| 32.5° | 591.0 | 602.8 | 627.9 | 645.4 | 683.2 | 703.6 | 722.8 | 777.0 | 837.7 | 901.3 | 970.6 |
| 35° | 582.9 | 586.4 | 598.7 | 618.0 | 660.5 | 687.3 | 711.8 | 777.0 | 848.2 | 918.2 | 991.6 |
| 37.5° | 560.2 | 561.9 | 572.4 | 601.1 | 639.5 | 677.4 | 704.8 | 777.6 | 852.3 | 920.5 | 985.7 |
| 40° | 536.9 | 537.4 | 548.5 | 577.1 | 620.9 | 662.8 | 693.1 | 770.0 | 840.7 | 903.6 | 964.8 |
| 42.5° | 501.9 | 506.6 | 522.3 | 550.8 | 606.9 | 642.4 | 677.4 | 746.2 | 812.0 | 873.9 | 931.6 |
| 45° | 468.1 | 474.5 | 487.3 | 521.1 | 578.8 | 614.5 | 648.8 | 715.9 | 776.4 | 843.6 | 901.3 |
| 47.5° | 440.1 | 439.6 | 456.5 | 493.7 | 545.0 | 581.7 | 613.3 | 677.4 | 744.4 | 818.4 | 879.7 |
| 50° | 396.4 | 405.8 | 423.8 | 461.1 | 509.5 | 549.7 | 577.6 | 641.3 | 713.5 | 787.5 | 862.2 |
| 52.5° | 365.0 | 370.8 | 392.4 | 426.7 | 477.4 | 510.6 | 543.3 | 613.9 | 692.5 | 782.9 | 850.0 |
| 55° | 331.1 | 338.6 | 360.9 | 395.3 | 451.8 | 483.8 | 517.1 | 595.7 | 687.3 | 776.4 | 846.5 |
| 57.5° | 303.7 | 309.5 | 329.9 | 368.5 | 426.2 | 464.0 | 502.5 | 582.9 | 680.3 | 771.2 | 866.3 |
| 60° | 274.5 | 280.4 | 306.6 | 345.0 | 406.3 | 446.0 | 482.7 | 572.4 | 678.0 | 792.8 | 922.8 |
| 62.5° | 248.3 | 256.5 | 280.4 | 320.6 | 382.5 | 422.1 | 464.6 | 568.9 | 704.8 | 855.8 | 992.1 |
| 65° | 225.6 | 234.3 | 260.6 | 300.8 | 361.5 | 410.4 | 461.7 | 599.3 | 758.4 | 906.5 | 1008.5 |
| 67.5° | 204.0 | 213.4 | 240.2 | 281.5 | 358.6 | 419.7 | 489.7 | 648.8 | 796.8 | 926.3 | 989.8 |
| 70° | 183.1 | 194.7 | 223.3 | 281.0 | 388.9 | 468.7 | 539.8 | 683.2 | 816.7 | 907.7 | 946.1 |
| 72.5° | 164.4 | 178.4 | 219.2 | 301.4 | 438.4 | 514.7 | 578.8 | 696.0 | 795.7 | 861.1 | 862.8 |
| 75° | 145.8 | 167.3 | 227.4 | 336.3 | 470.4 | 538.6 | 597.6 | 685.0 | 757.8 | 789.3 | 769.5 |
| 77.5° | 130.0 | 162.1 | 240.2 | 352.6 | 483.8 | 547.9 | 593.4 | 658.2 | 697.2 | 697.8 | 668.1 |
| 80° | 110.1 | 150.4 | 236.7 | 352.6 | 476.8 | 536.3 | 575.3 | 610.4 | 620.9 | 612.7 | 591.0 |
| 82.5° | 86.2 | 131.2 | 221.5 | 334.6 | 454.1 | 506.6 | 536.3 | 551.4 | 544.4 | 535.7 | 511.8 |
| 85° | 60.0 | 105.5 | 195.9 | 310.7 | 417.4 | 461.1 | 485.6 | 485.6 | 467.5 | 441.9 | 429.7 |
| 87.5° | 35.0 | 76.9 | 168.5 | 274.0 | 370.8 | 409.8 | 427.3 | 399.4 | 371.4 | 358.0 | 348.5 |
| 90° | 16.9 | 51.3 | 135.9 | 241.3 | 319.4 | 341.6 | 342.1 | 305.4 | 286.2 | 288.5 | 289.1 |
| 92.5° | 14.0 | 30.3 | 106.6 | 180.7 | 237.3 | 248.3 | 248.3 | 233.2 | 229.1 | 233.8 | 246.0 |
| 95° | 11.7 | 12.8 | 55.9 | 120.1 | 162.1 | 172.6 | 178.4 | 181.9 | 193.0 | 206.4 | 216.9 |
| 97.5° | 9.9 | 9.9 | 17.5 | 64.7 | 108.4 | 125.4 | 137.0 | 145.8 | 156.3 | 162.1 | 169.7 |
| 100° | 8.2 | 8.2 | 9.3 | 21.6 | 60.6 | 76.3 | 85.1 | 90.9 | 100.2 | 110.1 | 121.3 |
| 102.5° | 7.0 | 7.0 | 7.0 | 11.1 | 22.7 | 29.7 | 37.3 | 50.1 | 60.6 | 73.4 | 83.3 |
| 105° | 5.8 | 5.8 | 5.8 | 7.0 | 14.0 | 18.1 | 23.9 | 34.4 | 43.7 | 54.8 | 62.9 |
| 107.5° | 4.7 | 4.7 | 4.7 | 4.7 | 9.3 | 13.4 | 16.9 | 25.6 | 35.5 | 44.3 | 50.7 |
| 110° | 3.5 | 3.5 | 3.5 | 4.1 | 5.8 | 8.7 | 11.7 | 19.2 | 26.8 | 34.4 | 41.4 |



TEST NUMBER: P798355
 CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-------|-----|------|------|------|------|
| 112.5° | 2.9 | 2.9 | 2.9 | 2.9 | 3.5 | 4.7 | 7.6 | 14.0 | 19.8 | 26.2 | 32.0 |
| 115° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 3.5 | 8.7 | 14.0 | 18.6 | 25.1 |
| 117.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 4.7 | 9.9 | 14.6 | 18.6 |
| 120° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.7 | 5.8 | 10.5 | 14.6 |
| 122.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 2.3 | 6.4 | 10.5 |
| 125° | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 2.9 | 6.4 |
| 127.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| 130° | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.6 | 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: P798355

CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 | 608.1 |
| 2.5° | 616.8 | 618.5 | 619.7 | 625.5 | 622.0 | 628.5 | 622.6 | 622.0 | 625.0 | 626.7 |
| 5° | 651.8 | 660.5 | 667.5 | 675.6 | 673.3 | 677.4 | 676.8 | 676.8 | 689.6 | 685.6 |
| 7.5° | 708.9 | 717.6 | 730.4 | 743.2 | 740.3 | 755.5 | 757.2 | 759.6 | 759.0 | 765.4 |
| 10° | 767.7 | 784.6 | 797.4 | 818.4 | 816.7 | 825.4 | 837.2 | 833.6 | 843.0 | 847.7 |
| 12.5° | 820.7 | 840.1 | 860.5 | 879.7 | 878.5 | 883.8 | 889.0 | 892.5 | 897.8 | 900.1 |
| 15° | 860.5 | 879.1 | 896.6 | 914.1 | 912.3 | 919.3 | 922.2 | 925.1 | 932.1 | 932.1 |
| 17.5° | 884.9 | 897.2 | 913.5 | 932.7 | 939.7 | 943.2 | 939.7 | 949.6 | 956.6 | 952.5 |
| 20° | 890.2 | 908.2 | 933.9 | 944.4 | 956.0 | 962.4 | 965.9 | 978.2 | 977.6 | 984.6 |
| 22.5° | 900.7 | 925.1 | 949.0 | 981.7 | 984.6 | 1000.3 | 1010.8 | 1023.6 | 1031.2 | 1032.9 |
| 25° | 918.2 | 957.2 | 992.1 | 1028.3 | 1041.1 | 1060.3 | 1082.6 | 1098.3 | 1111.1 | 1118.1 |
| 27.5° | 954.3 | 1002.6 | 1055.7 | 1100.1 | 1107.6 | 1130.9 | 1163.0 | 1186.3 | 1198.5 | 1207.3 |
| 30° | 1000.3 | 1057.4 | 1112.3 | 1158.9 | 1180.5 | 1200.3 | 1230.0 | 1241.6 | 1261.5 | 1271.4 |
| 32.5° | 1033.5 | 1090.7 | 1149.0 | 1193.3 | 1213.7 | 1231.7 | 1248.6 | 1259.1 | 1263.2 | 1272.5 |
| 35° | 1049.2 | 1103.6 | 1163.6 | 1188.6 | 1203.2 | 1209.0 | 1216.6 | 1214.8 | 1215.4 | 1214.3 |
| 37.5° | 1041.1 | 1091.3 | 1128.0 | 1148.4 | 1151.3 | 1150.2 | 1141.4 | 1121.6 | 1107.0 | 1108.2 |
| 40° | 1019.5 | 1061.5 | 1084.9 | 1084.3 | 1077.3 | 1066.7 | 1046.9 | 1021.9 | 1012.5 | 1018.4 |
| 42.5° | 992.7 | 1020.1 | 1023.6 | 1016.0 | 999.1 | 997.4 | 969.4 | 961.3 | 951.9 | 952.5 |
| 45° | 958.9 | 974.7 | 979.9 | 963.6 | 953.7 | 951.9 | 939.1 | 934.5 | 936.2 | 936.8 |
| 47.5° | 928.1 | 945.0 | 947.9 | 943.8 | 941.5 | 945.0 | 949.6 | 961.3 | 962.4 | 981.7 |
| 50° | 908.8 | 926.9 | 946.7 | 961.9 | 967.7 | 986.9 | 1013.1 | 1025.4 | 1039.9 | 1044.0 |
| 52.5° | 904.8 | 935.6 | 983.4 | 1021.3 | 1049.2 | 1075.0 | 1106.5 | 1151.3 | 1165.9 | 1179.9 |
| 55° | 916.4 | 982.2 | 1058.6 | 1120.5 | 1166.5 | 1197.4 | 1240.5 | 1261.5 | 1276.6 | 1288.8 |
| 57.5° | 970.6 | 1073.8 | 1166.5 | 1210.2 | 1224.2 | 1239.9 | 1248.1 | 1253.9 | 1258.5 | 1265.5 |
| 60° | 1058.0 | 1132.7 | 1182.2 | 1203.8 | 1209.0 | 1211.9 | 1206.7 | 1196.8 | 1187.5 | 1183.4 |
| 62.5° | 1084.9 | 1128.6 | 1148.4 | 1139.1 | 1129.8 | 1122.2 | 1077.9 | 1059.2 | 1041.1 | 1046.3 |
| 65° | 1067.9 | 1076.2 | 1053.3 | 1021.3 | 993.9 | 988.1 | 948.5 | 932.7 | 909.4 | 914.7 |
| 67.5° | 1001.5 | 974.7 | 942.6 | 900.1 | 886.7 | 866.9 | 833.0 | 818.4 | 806.7 | 798.6 |
| 70° | 935.0 | 882.6 | 840.1 | 793.3 | 778.8 | 763.6 | 721.7 | 701.9 | 696.0 | 693.1 |
| 72.5° | 825.4 | 774.7 | 725.8 | 686.1 | 675.1 | 656.4 | 637.8 | 619.7 | 612.7 | 613.3 |
| 75° | 714.1 | 667.5 | 636.0 | 618.0 | 619.1 | 616.8 | 613.3 | 609.2 | 611.6 | 616.2 |
| 77.5° | 630.8 | 605.1 | 601.7 | 604.6 | 601.7 | 597.0 | 574.7 | 566.0 | 555.5 | 557.3 |
| 80° | 571.2 | 558.4 | 537.4 | 527.0 | 531.0 | 526.4 | 521.7 | 510.1 | 514.7 | 513.0 |
| 82.5° | 495.5 | 485.6 | 476.8 | 468.7 | 469.3 | 465.2 | 452.4 | 448.9 | 442.5 | 451.8 |
| 85° | 424.4 | 410.4 | 408.1 | 405.2 | 406.9 | 405.2 | 404.6 | 399.9 | 401.1 | 405.2 |
| 87.5° | 352.0 | 350.9 | 350.3 | 347.4 | 345.6 | 344.5 | 342.7 | 341.0 | 341.0 | 340.4 |
| 90° | 292.0 | 296.1 | 306.6 | 311.8 | 317.7 | 321.2 | 328.2 | 328.7 | 331.1 | 330.5 |
| 92.5° | 258.8 | 271.1 | 287.9 | 297.9 | 301.4 | 301.9 | 306.6 | 304.3 | 303.1 | 302.5 |
| 95° | 227.9 | 233.2 | 240.2 | 244.8 | 250.1 | 250.7 | 251.2 | 248.3 | 248.9 | 249.5 |
| 97.5° | 177.8 | 185.4 | 194.1 | 204.0 | 208.7 | 208.1 | 214.0 | 213.4 | 213.4 | 216.3 |
| 100° | 131.2 | 141.1 | 147.5 | 158.6 | 156.3 | 153.9 | 158.0 | 155.7 | 165.6 | 162.1 |
| 102.5° | 91.5 | 95.0 | 100.8 | 102.0 | 102.5 | 101.4 | 102.5 | 100.2 | 100.2 | 99.1 |
| 105° | 69.9 | 75.2 | 80.4 | 83.9 | 84.5 | 84.5 | 85.1 | 83.3 | 83.3 | 82.7 |
| 107.5° | 57.7 | 62.9 | 67.0 | 69.3 | 72.2 | 71.7 | 72.8 | 72.2 | 72.8 | 71.7 |
| 110° | 46.6 | 51.9 | 56.5 | 58.8 | 61.2 | 61.2 | 61.8 | 61.8 | 61.2 | 61.2 |



TEST NUMBER: P798355
 CATALOG NUMBER: 4VT3-SL3C3-P-UNV-MID-3000K

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 37.9 | 42.5 | 46.0 | 49.5 | 51.3 | 51.9 | 51.9 | 52.4 | 52.4 | 52.4 |
| 115° | 29.7 | 34.4 | 39.0 | 42.0 | 43.7 | 44.3 | 44.9 | 44.3 | 43.7 | 43.7 |
| 117.5° | 23.3 | 27.4 | 31.5 | 35.0 | 36.7 | 37.3 | 38.5 | 37.9 | 37.9 | 37.3 |
| 120° | 18.6 | 22.1 | 26.2 | 29.1 | 30.3 | 31.5 | 32.6 | 32.0 | 31.5 | 32.0 |
| 122.5° | 14.6 | 17.5 | 21.0 | 23.9 | 25.1 | 25.6 | 26.2 | 25.6 | 26.2 | 25.6 |
| 125° | 10.5 | 13.4 | 16.3 | 18.6 | 19.8 | 21.0 | 21.6 | 21.0 | 21.0 | 21.0 |
| 127.5° | 5.8 | 8.7 | 11.7 | 14.0 | 15.1 | 15.7 | 16.9 | 16.3 | 15.7 | 15.7 |
| 130° | 1.7 | 5.2 | 8.2 | 9.9 | 11.1 | 12.2 | 12.2 | 12.2 | 11.7 | 11.1 |
| 132.5° | 0.0 | 1.2 | 4.1 | 6.4 | 7.6 | 8.2 | 8.2 | 8.2 | 7.6 | 7.6 |
| 135° | 0.0 | 0.0 | 0.6 | 2.3 | 3.5 | 4.1 | 4.7 | 4.1 | 4.1 | 3.5 |
| 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)