

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: METALUX

Report Number: P233250

Luminaire Tested: **2VT3-LD5-3-W-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-268-18)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2VT3-LD5-3-W-UNV-L835-CD1-U
Description: 2FT VT3 WIDE APPLICATION, 3000LM
Light Source: (196) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

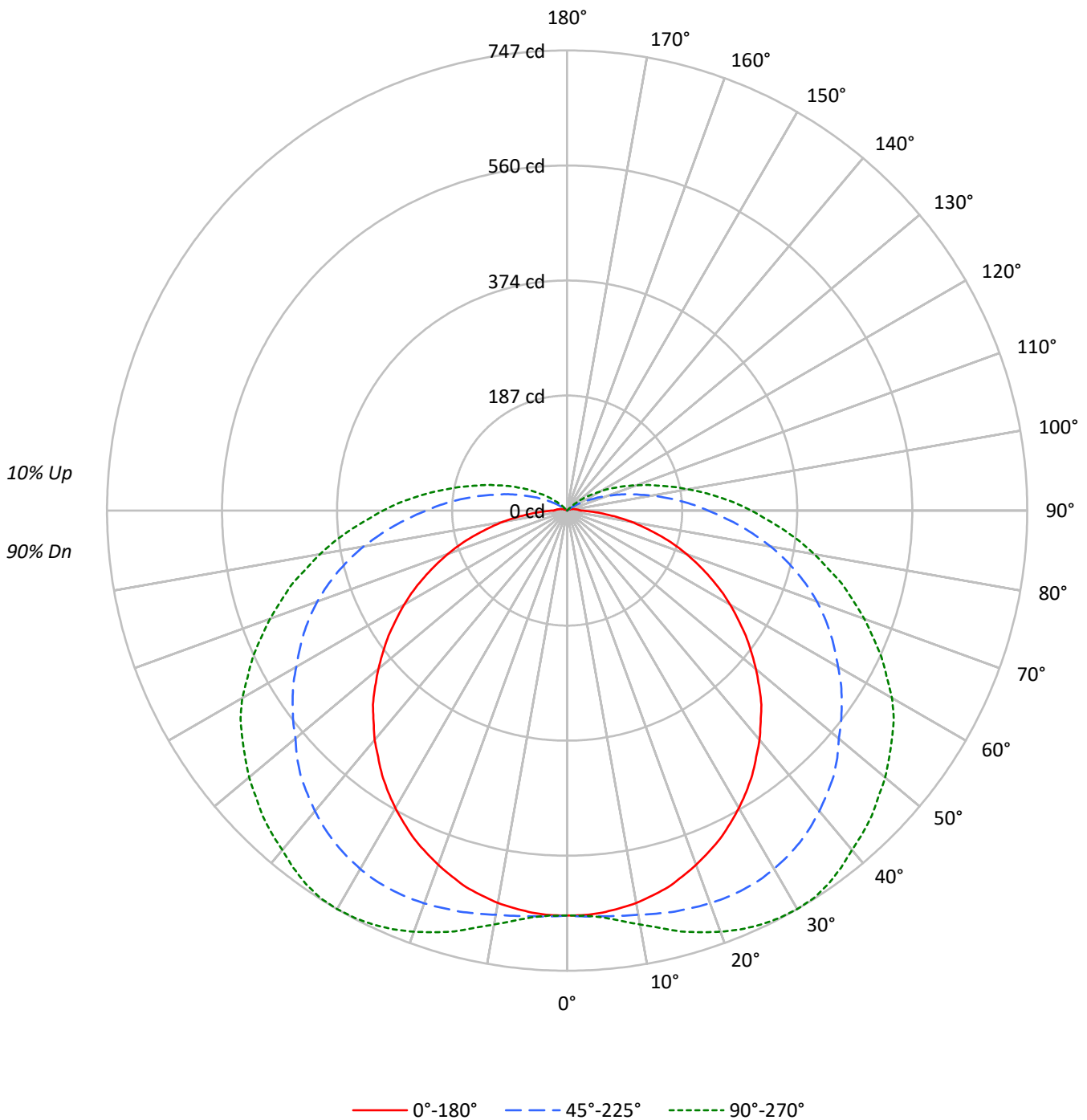
Lumens per Lamp: N/A
Luminaire Lumens: 3297.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.66 / 1.64
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 24.84
Input Voltage (V): NR
Input Current (A_{in}): 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: P233250
CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

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 | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 99 | 99 | 99 | 93 | 93 | 93 | 90 |
| 1 | 103 | 96 | 91 | 86 | 99 | 93 | 88 | 83 | 87 | 83 | 79 | 81 | 78 | 75 | 76 | 73 | 71 | 68 |
| 2 | 92 | 82 | 74 | 67 | 88 | 79 | 72 | 65 | 74 | 68 | 62 | 69 | 64 | 59 | 64 | 60 | 56 | 53 |
| 3 | 83 | 71 | 61 | 54 | 79 | 68 | 60 | 53 | 64 | 56 | 50 | 60 | 53 | 48 | 56 | 50 | 46 | 43 |
| 4 | 75 | 62 | 52 | 44 | 72 | 60 | 51 | 44 | 56 | 48 | 42 | 52 | 46 | 40 | 49 | 43 | 39 | 36 |
| 5 | 69 | 55 | 45 | 38 | 66 | 53 | 44 | 37 | 50 | 42 | 35 | 46 | 40 | 34 | 44 | 38 | 33 | 30 |
| 6 | 63 | 49 | 39 | 32 | 61 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 35 | 29 | 39 | 33 | 28 | 26 |
| 7 | 59 | 44 | 35 | 28 | 56 | 43 | 34 | 28 | 40 | 32 | 27 | 38 | 31 | 26 | 36 | 30 | 25 | 23 |
| 8 | 54 | 40 | 31 | 25 | 52 | 39 | 30 | 24 | 37 | 29 | 24 | 35 | 28 | 23 | 33 | 27 | 22 | 20 |
| 9 | 51 | 36 | 28 | 22 | 49 | 35 | 27 | 22 | 34 | 26 | 21 | 32 | 25 | 20 | 30 | 24 | 20 | 18 |
| 10 | 47 | 33 | 25 | 20 | 46 | 33 | 25 | 19 | 31 | 24 | 19 | 29 | 23 | 18 | 28 | 22 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8490 | 8490 | 8490 |
| 5° | 8433 | 8323 | 8301 |
| 10° | 8361 | 8244 | 8358 |
| 15° | 8282 | 8256 | 8541 |
| 20° | 8166 | 8295 | 8729 |
| 25° | 8065 | 8341 | 8911 |
| 30° | 7936 | 8367 | 9052 |
| 35° | 7804 | 8373 | 9111 |
| 40° | 7659 | 8347 | 9079 |
| 45° | 7520 | 8322 | 9128 |
| 50° | 7312 | 8222 | 9170 |
| 55° | 7124 | 8234 | 9227 |
| 60° | 6901 | 8242 | 9294 |
| 65° | 6633 | 8319 | 9262 |
| 70° | 6330 | 8408 | 9234 |
| 75° | 5889 | 8457 | 9261 |
| 80° | 5374 | 8501 | 9274 |
| 85° | 4471 | 8503 | 9354 |



TEST NUMBER: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.2 | 1.9 |
| 10°-20° | 190.3 | 5.8 |
| 20°-30° | 310.1 | 9.4 |
| 30°-40° | 403.8 | 12.2 |
| 40°-50° | 456.1 | 13.8 |
| 50°-60° | 467.2 | 14.2 |
| 60°-70° | 436.8 | 13.2 |
| 70°-80° | 367.7 | 11.2 |
| 80°-90° | 271.0 | 8.2 |
| 90°-100° | 173.9 | 5.3 |
| 100°-110° | 96.2 | 2.9 |
| 110°-120° | 44.5 | 1.3 |
| 120°-130° | 14.7 | 0.4 |
| 130°-140° | 1.6 | 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° | 563.6 | 17.1 |
| 0°-40° | 967.3 | 29.3 |
| 0°-60° | 1890.6 | 57.3 |
| 0°-90° | 2966.1 | 90.0 |
| 90°-120° | 314.6 | 9.5 |
| 90°-150° | 330.9 | 10.0 |
| 90°-180° | 331.0 | 10.0 |
| 0°-180° | 3297.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 657 | 657 | 657 | 657 | 657 | |
| 5° | 655 | 657 | 661 | 663 | 663 | 62 |
| 15° | 633 | 644 | 674 | 700 | 707 | 178 |
| 25° | 588 | 617 | 678 | 727 | 742 | 271 |
| 35° | 524 | 568 | 658 | 722 | 740 | 327 |
| 45° | 446 | 503 | 611 | 678 | 700 | 343 |
| 55° | 354 | 422 | 544 | 622 | 644 | 316 |
| 65° | 256 | 336 | 472 | 546 | 563 | 253 |
| 75° | 155 | 251 | 386 | 447 | 463 | 164 |
| 85° | 59 | 166 | 282 | 338 | 352 | 58 |
| 90° | 22 | 123 | 229 | 283 | 299 | 14 |
| 95° | 17 | 87 | 183 | 232 | 248 | 13 |
| 105° | 10 | 29 | 103 | 146 | 156 | 10 |
| 115° | 4 | 5 | 43 | 78 | 89 | 5 |
| 125° | 2 | 2 | 9 | 32 | 40 | 1 |
| 135° | 1 | 0 | 0 | 1 | 5 | 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: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 |
| 2.5° | 657.3 | 656.6 | 656.6 | 656.6 | 657.3 | 658.1 | 658.1 | 658.8 | 658.8 | 659.6 | 659.6 |
| 5° | 655.1 | 654.3 | 655.1 | 655.1 | 655.8 | 656.6 | 657.3 | 658.1 | 658.8 | 660.4 | 661.1 |
| 7.5° | 651.3 | 651.3 | 651.3 | 652.8 | 653.6 | 654.3 | 655.8 | 657.3 | 659.6 | 661.9 | 663.4 |
| 10° | 646.8 | 646.8 | 647.5 | 648.3 | 650.5 | 652.1 | 653.6 | 656.6 | 659.6 | 663.4 | 666.4 |
| 12.5° | 640.0 | 640.0 | 640.7 | 643.0 | 646.0 | 648.3 | 650.5 | 655.1 | 660.4 | 664.9 | 670.2 |
| 15° | 633.2 | 632.4 | 633.9 | 637.7 | 641.5 | 644.5 | 647.5 | 653.6 | 659.6 | 666.4 | 673.9 |
| 17.5° | 622.6 | 623.4 | 625.6 | 630.2 | 635.5 | 639.2 | 643.0 | 650.5 | 659.6 | 667.2 | 676.2 |
| 20° | 612.1 | 612.8 | 615.8 | 620.4 | 627.9 | 632.4 | 637.7 | 646.8 | 657.3 | 667.9 | 678.5 |
| 22.5° | 600.0 | 600.7 | 604.5 | 611.3 | 620.4 | 624.9 | 630.9 | 642.2 | 654.3 | 666.4 | 679.2 |
| 25° | 587.9 | 588.7 | 593.2 | 600.0 | 610.5 | 616.6 | 622.6 | 637.0 | 650.5 | 664.9 | 678.5 |
| 27.5° | 572.8 | 575.1 | 580.4 | 588.7 | 600.0 | 606.0 | 614.3 | 629.4 | 644.5 | 660.4 | 676.2 |
| 30° | 557.7 | 559.2 | 564.5 | 575.1 | 587.9 | 595.5 | 603.0 | 619.6 | 637.7 | 654.3 | 671.7 |
| 32.5° | 541.1 | 543.4 | 550.2 | 560.0 | 575.8 | 583.4 | 590.9 | 609.8 | 628.7 | 647.5 | 665.6 |
| 35° | 523.8 | 526.0 | 532.1 | 544.9 | 560.7 | 568.3 | 578.1 | 597.7 | 618.1 | 638.5 | 658.1 |
| 37.5° | 504.1 | 507.2 | 515.5 | 528.3 | 544.1 | 553.9 | 564.5 | 584.9 | 606.8 | 627.9 | 648.3 |
| 40° | 486.0 | 487.5 | 495.8 | 509.4 | 526.8 | 537.3 | 547.9 | 571.3 | 593.2 | 615.8 | 637.0 |
| 42.5° | 464.9 | 468.7 | 477.7 | 492.1 | 510.2 | 520.0 | 531.3 | 555.5 | 579.6 | 601.5 | 624.1 |
| 45° | 446.0 | 447.5 | 457.3 | 473.2 | 492.1 | 502.6 | 514.7 | 538.1 | 562.2 | 587.2 | 611.3 |
| 47.5° | 422.6 | 424.9 | 435.5 | 452.1 | 472.4 | 483.8 | 495.1 | 521.5 | 546.4 | 572.1 | 594.7 |
| 50° | 400.0 | 403.8 | 414.3 | 431.7 | 452.8 | 464.1 | 477.0 | 501.9 | 529.0 | 552.4 | 575.8 |
| 52.5° | 376.6 | 381.1 | 392.4 | 409.8 | 431.7 | 444.5 | 456.6 | 483.0 | 508.7 | 535.1 | 560.7 |
| 55° | 354.0 | 357.7 | 368.3 | 387.2 | 411.3 | 421.9 | 434.7 | 462.6 | 489.0 | 517.7 | 544.1 |
| 57.5° | 329.0 | 334.3 | 347.2 | 366.0 | 389.4 | 401.5 | 415.1 | 441.5 | 471.7 | 501.1 | 527.5 |
| 60° | 305.7 | 309.4 | 324.5 | 343.4 | 366.8 | 378.9 | 392.4 | 421.9 | 452.8 | 482.3 | 507.9 |
| 62.5° | 281.5 | 286.0 | 300.4 | 320.0 | 344.1 | 357.7 | 371.3 | 401.5 | 434.0 | 462.6 | 489.8 |
| 65° | 255.8 | 261.9 | 277.7 | 296.6 | 323.0 | 335.8 | 350.9 | 382.6 | 413.6 | 443.8 | 471.7 |
| 67.5° | 230.9 | 236.2 | 253.6 | 274.0 | 298.1 | 314.7 | 329.8 | 363.0 | 395.5 | 425.6 | 452.1 |
| 70° | 206.0 | 211.3 | 227.2 | 250.6 | 277.0 | 293.6 | 308.7 | 341.9 | 375.1 | 403.8 | 431.7 |
| 72.5° | 181.1 | 186.4 | 203.8 | 226.4 | 255.8 | 270.9 | 288.3 | 322.3 | 354.0 | 384.1 | 409.0 |
| 75° | 154.7 | 163.8 | 179.6 | 205.3 | 234.7 | 251.3 | 267.9 | 301.9 | 332.8 | 361.5 | 385.6 |
| 77.5° | 129.1 | 138.9 | 157.0 | 183.4 | 213.6 | 231.7 | 248.3 | 280.7 | 311.7 | 337.3 | 360.7 |
| 80° | 106.4 | 114.7 | 134.3 | 160.0 | 193.2 | 209.1 | 225.7 | 258.1 | 287.5 | 314.0 | 335.8 |
| 82.5° | 81.5 | 91.3 | 110.9 | 139.6 | 171.3 | 187.9 | 204.5 | 234.0 | 262.6 | 286.8 | 307.9 |
| 85° | 58.9 | 68.7 | 90.6 | 120.0 | 149.4 | 166.0 | 181.1 | 211.3 | 237.7 | 261.9 | 281.5 |
| 87.5° | 38.5 | 48.3 | 70.9 | 100.4 | 129.1 | 144.1 | 157.7 | 185.7 | 212.1 | 235.5 | 254.3 |
| 90° | 21.9 | 33.2 | 55.1 | 81.5 | 109.4 | 123.0 | 137.4 | 163.8 | 187.9 | 209.8 | 228.7 |
| 92.5° | 19.6 | 23.4 | 41.5 | 66.4 | 91.3 | 105.7 | 117.7 | 142.6 | 166.8 | 187.2 | 206.0 |
| 95° | 17.4 | 18.1 | 29.4 | 51.3 | 75.5 | 86.8 | 99.6 | 123.8 | 145.7 | 165.3 | 183.4 |
| 97.5° | 15.1 | 15.1 | 20.4 | 37.0 | 58.9 | 70.9 | 82.3 | 104.1 | 126.0 | 144.9 | 160.8 |
| 100° | 12.8 | 13.6 | 14.3 | 25.7 | 44.5 | 55.8 | 65.7 | 86.8 | 106.4 | 123.0 | 139.6 |
| 102.5° | 11.3 | 11.3 | 12.1 | 17.4 | 31.7 | 41.5 | 50.6 | 70.2 | 87.5 | 104.1 | 119.2 |
| 105° | 9.8 | 9.8 | 9.8 | 11.3 | 21.9 | 28.7 | 37.0 | 54.3 | 71.7 | 87.5 | 102.6 |
| 107.5° | 8.3 | 8.3 | 8.3 | 9.1 | 14.3 | 20.4 | 26.4 | 40.8 | 56.6 | 71.7 | 85.3 |
| 110° | 6.8 | 6.8 | 6.8 | 7.5 | 8.3 | 12.8 | 18.1 | 29.4 | 43.0 | 58.1 | 69.4 |



TEST NUMBER: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-------|------|------|------|------|------|
| 112.5° | 5.3 | 5.3 | 5.3 | 6.0 | 6.0 | 6.8 | 11.3 | 21.1 | 31.7 | 44.5 | 56.6 |
| 115° | 4.5 | 4.5 | 4.5 | 4.5 | 5.3 | 5.3 | 5.3 | 12.8 | 22.6 | 33.2 | 43.0 |
| 117.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 4.5 | 7.5 | 15.1 | 24.2 | 32.5 |
| 120° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 8.3 | 15.8 | 23.4 |
| 122.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 3.0 | 9.1 | 15.8 |
| 125° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 9.1 |
| 127.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 |
| 130° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 132.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.8 | 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: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 | 657.3 |
| 2.5° | 660.4 | 660.4 | 660.4 | 659.6 | 659.6 | 659.6 | 658.8 | 658.8 | 658.1 | 658.1 |
| 5° | 661.9 | 662.6 | 663.4 | 663.4 | 663.4 | 663.4 | 663.4 | 663.4 | 662.6 | 662.6 |
| 7.5° | 665.6 | 667.2 | 667.9 | 669.4 | 669.4 | 670.2 | 670.9 | 670.9 | 670.9 | 671.7 |
| 10° | 669.4 | 672.4 | 674.7 | 677.7 | 678.5 | 679.2 | 680.7 | 680.7 | 681.5 | 682.2 |
| 12.5° | 674.7 | 679.2 | 683.8 | 687.5 | 688.3 | 689.8 | 691.3 | 693.6 | 693.6 | 693.6 |
| 15° | 680.0 | 686.8 | 692.1 | 695.8 | 699.6 | 700.4 | 702.6 | 705.6 | 705.6 | 707.2 |
| 17.5° | 685.3 | 692.8 | 701.1 | 706.4 | 709.4 | 711.7 | 713.9 | 715.5 | 718.5 | 717.7 |
| 20° | 689.0 | 698.1 | 706.4 | 713.9 | 716.2 | 718.5 | 723.0 | 726.0 | 727.5 | 727.5 |
| 22.5° | 690.5 | 701.9 | 710.9 | 719.2 | 722.2 | 725.3 | 729.8 | 733.6 | 735.1 | 735.8 |
| 25° | 691.3 | 703.4 | 713.9 | 723.0 | 726.8 | 729.8 | 735.8 | 738.8 | 741.1 | 741.9 |
| 27.5° | 690.5 | 703.4 | 715.5 | 725.3 | 729.0 | 732.8 | 738.8 | 742.6 | 745.6 | 745.6 |
| 30° | 687.5 | 701.9 | 714.7 | 725.3 | 729.8 | 733.6 | 739.6 | 744.1 | 746.4 | 747.1 |
| 32.5° | 682.2 | 698.1 | 711.7 | 722.2 | 727.5 | 731.3 | 738.1 | 742.6 | 744.9 | 745.6 |
| 35° | 676.2 | 692.1 | 706.4 | 717.0 | 722.2 | 726.0 | 732.8 | 736.6 | 738.8 | 739.6 |
| 37.5° | 667.2 | 683.8 | 698.1 | 709.4 | 713.9 | 717.7 | 723.0 | 728.3 | 729.8 | 730.5 |
| 40° | 656.6 | 673.2 | 686.8 | 698.1 | 701.9 | 706.4 | 710.9 | 716.2 | 718.5 | 719.2 |
| 42.5° | 643.8 | 659.6 | 673.9 | 685.3 | 689.0 | 694.3 | 701.1 | 705.6 | 708.7 | 710.2 |
| 45° | 628.7 | 646.0 | 660.4 | 673.2 | 678.5 | 681.5 | 689.8 | 695.1 | 698.1 | 699.6 |
| 47.5° | 613.6 | 632.4 | 647.5 | 660.4 | 665.6 | 670.9 | 678.5 | 683.0 | 686.0 | 686.0 |
| 50° | 599.2 | 617.3 | 633.2 | 646.8 | 652.1 | 658.1 | 664.9 | 670.2 | 673.2 | 673.9 |
| 52.5° | 584.1 | 603.0 | 618.9 | 632.4 | 637.7 | 643.0 | 650.5 | 655.8 | 658.8 | 658.8 |
| 55° | 566.8 | 587.2 | 603.0 | 615.8 | 621.9 | 626.4 | 635.5 | 640.0 | 643.8 | 643.8 |
| 57.5° | 549.4 | 569.8 | 586.4 | 600.0 | 606.8 | 610.5 | 619.6 | 624.1 | 627.9 | 628.7 |
| 60° | 532.1 | 551.7 | 569.0 | 583.4 | 587.9 | 593.9 | 600.0 | 605.3 | 608.3 | 609.0 |
| 62.5° | 513.9 | 533.6 | 550.9 | 562.2 | 569.0 | 572.1 | 579.6 | 582.6 | 585.6 | 584.9 |
| 65° | 496.6 | 513.9 | 530.6 | 541.9 | 545.6 | 550.9 | 555.5 | 560.7 | 563.0 | 563.0 |
| 67.5° | 475.5 | 492.8 | 507.9 | 519.2 | 524.5 | 527.5 | 532.8 | 535.8 | 539.6 | 537.3 |
| 70° | 452.8 | 469.4 | 483.0 | 494.3 | 498.1 | 501.9 | 507.9 | 510.9 | 513.2 | 513.2 |
| 72.5° | 429.4 | 445.3 | 458.9 | 468.7 | 472.4 | 477.0 | 481.5 | 484.5 | 486.0 | 486.8 |
| 75° | 404.5 | 420.4 | 432.4 | 442.3 | 446.8 | 452.1 | 455.8 | 460.4 | 461.1 | 462.6 |
| 77.5° | 381.1 | 395.5 | 406.8 | 418.1 | 420.4 | 424.1 | 428.7 | 432.4 | 434.0 | 433.2 |
| 80° | 353.2 | 370.6 | 379.6 | 389.4 | 393.2 | 396.2 | 401.5 | 403.8 | 407.5 | 407.5 |
| 82.5° | 325.3 | 340.4 | 350.9 | 362.3 | 366.8 | 368.3 | 375.1 | 378.9 | 379.6 | 380.4 |
| 85° | 299.6 | 313.2 | 324.5 | 333.6 | 338.1 | 339.6 | 345.7 | 351.7 | 352.4 | 351.7 |
| 87.5° | 270.9 | 285.3 | 297.4 | 305.7 | 309.4 | 313.2 | 318.5 | 321.5 | 324.5 | 323.8 |
| 90° | 245.3 | 258.9 | 270.9 | 280.0 | 283.0 | 286.8 | 291.3 | 295.8 | 296.6 | 298.9 |
| 92.5° | 220.4 | 234.7 | 246.8 | 255.1 | 259.6 | 261.1 | 266.4 | 270.2 | 271.7 | 274.0 |
| 95° | 197.7 | 209.8 | 221.1 | 231.7 | 232.4 | 236.2 | 241.5 | 244.5 | 248.3 | 247.5 |
| 97.5° | 175.1 | 188.7 | 198.5 | 206.0 | 209.8 | 213.6 | 218.1 | 221.1 | 223.4 | 223.4 |
| 100° | 153.2 | 166.0 | 175.1 | 182.6 | 187.2 | 188.7 | 193.2 | 197.0 | 198.5 | 198.5 |
| 102.5° | 133.6 | 144.1 | 153.2 | 162.3 | 164.5 | 166.8 | 171.3 | 175.8 | 175.8 | 177.4 |
| 105° | 114.0 | 125.3 | 134.3 | 141.9 | 145.7 | 146.4 | 150.9 | 154.0 | 156.2 | 155.5 |
| 107.5° | 96.6 | 107.2 | 117.0 | 123.0 | 126.0 | 128.3 | 132.8 | 135.1 | 137.4 | 138.1 |
| 110° | 81.5 | 90.6 | 99.6 | 106.4 | 108.7 | 111.7 | 116.2 | 118.5 | 120.8 | 120.0 |



TEST NUMBER: P233250

CATALOG NUMBER: 2VT3-LD5-3-W-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|-------|-------|-------|-------|
| 112.5° | 66.4 | 76.2 | 83.8 | 90.6 | 93.6 | 95.8 | 100.4 | 101.9 | 104.1 | 104.1 |
| 115° | 53.6 | 61.9 | 69.4 | 76.2 | 78.5 | 80.8 | 84.5 | 86.8 | 88.3 | 89.1 |
| 117.5° | 40.8 | 49.8 | 57.4 | 63.4 | 64.9 | 67.9 | 71.7 | 73.2 | 74.7 | 76.2 |
| 120° | 30.9 | 37.7 | 44.5 | 49.8 | 52.8 | 54.3 | 58.1 | 60.4 | 61.9 | 61.9 |
| 122.5° | 22.6 | 28.7 | 34.7 | 39.2 | 41.5 | 43.0 | 46.8 | 49.1 | 49.8 | 49.8 |
| 125° | 14.3 | 20.4 | 24.9 | 29.4 | 31.7 | 33.2 | 35.5 | 37.7 | 39.2 | 40.0 |
| 127.5° | 8.3 | 12.8 | 17.4 | 21.1 | 22.6 | 24.2 | 27.2 | 28.7 | 30.2 | 30.2 |
| 130° | 1.5 | 5.3 | 9.8 | 12.8 | 14.3 | 15.8 | 18.1 | 19.6 | 21.1 | 21.1 |
| 132.5° | 0.0 | 0.0 | 3.0 | 6.0 | 6.8 | 8.3 | 10.6 | 12.1 | 12.8 | 12.8 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.5 | 3.8 | 4.5 | 5.3 | 5.3 |
| 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)