

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: P237772

Luminaire Tested: **2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P237772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-355-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U
Description: METALUX VT2 LED LUMINAIRE
INTERNAL PRISMATIC LENS/100% DR HIGH IMPACT ADDITIVE WIDE DISTRIBUTION
2FT FIXTURE
Light Source: (112) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2880.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.56 / 1.56
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 2.08' x H: 0.17')
CIE Type: Direct

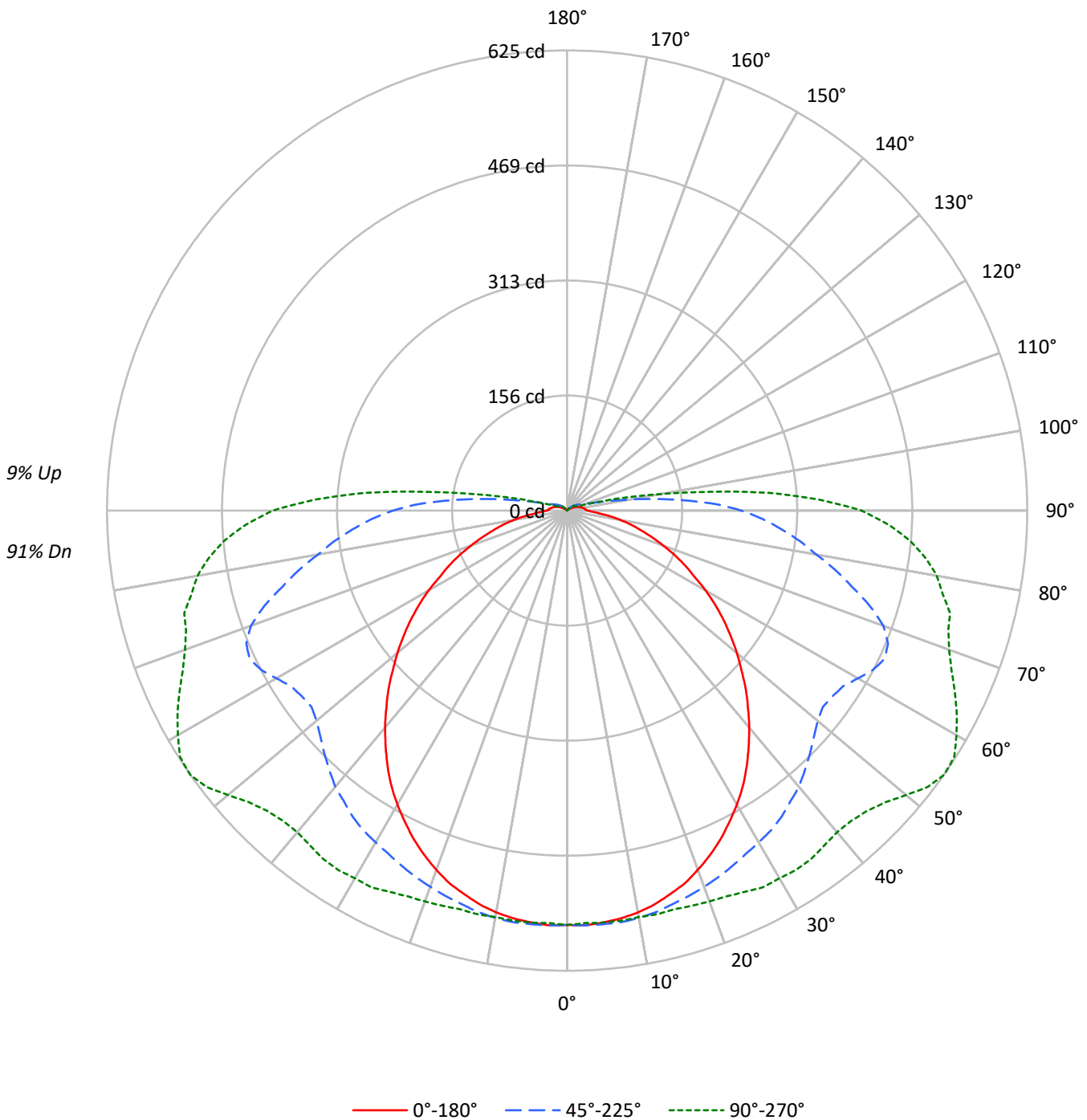
Input Watts (W): 21.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

Luminous Intensity Polar Plot





TEST NUMBER: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-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 | 100 | 100 | 100 | 94 | 94 | 94 | 91 |
| 1 | 102 | 95 | 89 | 83 | 98 | 92 | 86 | 81 | 86 | 81 | 77 | 80 | 76 | 73 | 75 | 72 | 69 | 66 |
| 2 | 90 | 80 | 71 | 64 | 87 | 77 | 69 | 62 | 72 | 65 | 59 | 67 | 62 | 57 | 63 | 58 | 54 | 51 |
| 3 | 81 | 68 | 59 | 51 | 78 | 66 | 57 | 50 | 62 | 54 | 48 | 58 | 51 | 46 | 54 | 48 | 44 | 41 |
| 4 | 74 | 60 | 49 | 42 | 71 | 58 | 48 | 41 | 54 | 46 | 39 | 50 | 43 | 38 | 47 | 41 | 36 | 33 |
| 5 | 67 | 53 | 42 | 35 | 64 | 51 | 41 | 34 | 48 | 39 | 33 | 45 | 38 | 32 | 42 | 36 | 31 | 28 |
| 6 | 62 | 47 | 37 | 30 | 59 | 46 | 36 | 29 | 43 | 35 | 28 | 40 | 33 | 27 | 38 | 31 | 27 | 24 |
| 7 | 57 | 42 | 33 | 26 | 55 | 41 | 32 | 26 | 39 | 31 | 25 | 36 | 29 | 24 | 34 | 28 | 23 | 21 |
| 8 | 53 | 38 | 29 | 23 | 51 | 37 | 29 | 23 | 35 | 27 | 22 | 33 | 26 | 21 | 31 | 25 | 21 | 18 |
| 9 | 50 | 35 | 26 | 20 | 48 | 34 | 26 | 20 | 32 | 25 | 19 | 31 | 24 | 19 | 29 | 23 | 18 | 16 |
| 10 | 46 | 32 | 24 | 18 | 45 | 31 | 23 | 18 | 30 | 23 | 18 | 28 | 22 | 17 | 27 | 21 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 5816 | 5816 | 5816 |
| 5° | 5786 | 5703 | 5661 |
| 10° | 5735 | 5605 | 5557 |
| 15° | 5650 | 5489 | 5506 |
| 20° | 5549 | 5404 | 5540 |
| 25° | 5417 | 5339 | 5637 |
| 30° | 5259 | 5313 | 5770 |
| 35° | 5077 | 5316 | 5907 |
| 40° | 4863 | 5305 | 6010 |
| 45° | 4647 | 5274 | 6320 |
| 50° | 4418 | 5295 | 6915 |
| 55° | 4199 | 5591 | 7632 |
| 60° | 3944 | 6254 | 7999 |
| 65° | 3694 | 7153 | 8281 |
| 70° | 3438 | 7655 | 8708 |
| 75° | 3194 | 7650 | 9579 |
| 80° | 2992 | 7689 | 10496 |
| 85° | 2694 | 7989 | 11521 |



TEST NUMBER: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.7 | 1.9 |
| 10°-20° | 156.3 | 5.4 |
| 20°-30° | 246.2 | 8.5 |
| 30°-40° | 315.9 | 11.0 |
| 40°-50° | 359.1 | 12.5 |
| 50°-60° | 397.1 | 13.8 |
| 60°-70° | 411.8 | 14.3 |
| 70°-80° | 383.8 | 13.3 |
| 80°-90° | 309.4 | 10.7 |
| 90°-100° | 172.2 | 6.0 |
| 100°-110° | 46.3 | 1.6 |
| 110°-120° | 16.1 | 0.6 |
| 120°-130° | 8.5 | 0.3 |
| 130°-140° | 3.2 | 0.1 |
| 140°-150° | 0.3 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 456.2 | 15.8 |
| 0°-40° | 772.0 | 26.8 |
| 0°-60° | 1528.3 | 53.1 |
| 0°-90° | 2633.3 | 91.4 |
| 90°-120° | 234.6 | 8.1 |
| 90°-150° | 246.7 | 8.6 |
| 90°-180° | 247.0 | 8.6 |
| 0°-180° | 2880.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 563 | 563 | 563 | 563 | 563 | |
| 5° | 562 | 563 | 564 | 565 | 562 | 53 |
| 15° | 540 | 545 | 553 | 562 | 561 | 152 |
| 25° | 493 | 506 | 532 | 563 | 571 | 227 |
| 35° | 425 | 449 | 508 | 561 | 578 | 266 |
| 45° | 343 | 379 | 466 | 544 | 577 | 265 |
| 55° | 260 | 310 | 440 | 586 | 625 | 232 |
| 65° | 177 | 250 | 476 | 563 | 581 | 175 |
| 75° | 104 | 242 | 401 | 495 | 538 | 111 |
| 85° | 44 | 170 | 292 | 421 | 467 | 42 |
| 90° | 28 | 125 | 236 | 351 | 400 | 16 |
| 95° | 24 | 83 | 159 | 237 | 276 | 19 |
| 105° | 18 | 29 | 44 | 49 | 48 | 19 |
| 115° | 11 | 14 | 20 | 17 | 14 | 11 |
| 125° | 4 | 5 | 13 | 12 | 11 | 4 |
| 135° | 2 | 1 | 4 | 6 | 6 | 1 |
| 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: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 |
| 5° | 561.7 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 563.9 | 563.9 | 563.9 | 564.9 | 563.9 |
| 7.5° | 558.6 | 559.6 | 559.6 | 559.6 | 560.7 | 560.7 | 561.7 | 561.7 | 562.8 | 563.9 | 563.9 |
| 10° | 554.3 | 555.4 | 555.4 | 556.4 | 556.4 | 557.5 | 557.5 | 559.6 | 559.6 | 560.7 | 561.7 |
| 12.5° | 548.0 | 548.0 | 549.0 | 551.1 | 552.2 | 552.2 | 553.3 | 554.3 | 556.4 | 557.5 | 558.6 |
| 15° | 539.5 | 539.5 | 541.6 | 543.7 | 544.8 | 544.8 | 545.8 | 546.9 | 551.1 | 552.2 | 553.3 |
| 17.5° | 531.0 | 529.9 | 532.1 | 534.2 | 535.2 | 536.3 | 537.4 | 540.5 | 542.7 | 545.8 | 549.0 |
| 20° | 519.3 | 519.3 | 521.5 | 524.6 | 526.8 | 527.8 | 529.9 | 533.1 | 537.4 | 540.5 | 543.7 |
| 22.5° | 506.6 | 507.7 | 508.7 | 511.9 | 515.1 | 517.2 | 518.3 | 522.5 | 527.8 | 532.1 | 538.4 |
| 25° | 492.8 | 493.9 | 496.0 | 499.2 | 503.4 | 505.6 | 507.7 | 513.0 | 520.4 | 524.6 | 532.1 |
| 27.5° | 476.9 | 478.0 | 481.2 | 484.4 | 489.7 | 492.8 | 496.0 | 501.3 | 508.7 | 516.2 | 525.7 |
| 30° | 461.1 | 462.1 | 465.3 | 470.6 | 475.9 | 479.1 | 483.3 | 490.7 | 500.3 | 508.7 | 520.4 |
| 32.5° | 444.1 | 445.2 | 448.3 | 455.8 | 461.1 | 465.3 | 468.5 | 478.0 | 488.6 | 501.3 | 515.1 |
| 35° | 425.0 | 426.1 | 430.3 | 436.7 | 445.2 | 449.4 | 453.6 | 463.2 | 478.0 | 492.8 | 507.7 |
| 37.5° | 404.9 | 407.0 | 412.3 | 417.6 | 427.1 | 431.4 | 437.7 | 450.5 | 465.3 | 482.2 | 498.1 |
| 40° | 384.7 | 386.9 | 392.2 | 399.6 | 409.1 | 415.5 | 421.8 | 437.7 | 453.6 | 471.7 | 489.7 |
| 42.5° | 363.5 | 366.7 | 372.0 | 380.5 | 391.1 | 397.5 | 404.9 | 422.9 | 442.0 | 460.0 | 478.0 |
| 45° | 343.4 | 345.5 | 351.9 | 361.4 | 372.0 | 379.4 | 389.0 | 408.1 | 427.1 | 447.3 | 466.4 |
| 47.5° | 321.1 | 324.3 | 330.7 | 342.3 | 355.1 | 363.5 | 372.0 | 393.2 | 413.4 | 433.5 | 454.7 |
| 50° | 301.0 | 303.1 | 310.5 | 321.1 | 336.0 | 345.5 | 355.1 | 376.3 | 398.5 | 420.8 | 444.1 |
| 52.5° | 279.8 | 281.9 | 290.4 | 301.0 | 316.9 | 327.5 | 337.0 | 359.3 | 382.6 | 409.1 | 437.7 |
| 55° | 259.7 | 261.8 | 270.3 | 280.9 | 298.9 | 309.5 | 320.1 | 344.5 | 371.0 | 401.7 | 439.9 |
| 57.5° | 238.5 | 239.5 | 249.1 | 261.8 | 280.9 | 291.5 | 302.1 | 329.6 | 362.5 | 400.6 | 444.1 |
| 60° | 217.3 | 219.4 | 227.9 | 242.7 | 263.9 | 275.6 | 288.3 | 319.0 | 359.3 | 405.9 | 455.8 |
| 62.5° | 195.0 | 199.3 | 208.8 | 224.7 | 248.0 | 261.8 | 276.6 | 313.7 | 361.4 | 416.5 | 468.5 |
| 65° | 177.0 | 180.2 | 189.7 | 208.8 | 234.2 | 250.1 | 268.2 | 314.8 | 371.0 | 428.2 | 475.9 |
| 67.5° | 157.9 | 162.2 | 173.8 | 194.0 | 224.7 | 243.8 | 266.0 | 321.1 | 381.6 | 434.6 | 471.7 |
| 70° | 138.8 | 143.1 | 157.9 | 182.3 | 217.3 | 240.6 | 267.1 | 327.5 | 383.7 | 426.1 | 456.8 |
| 72.5° | 120.8 | 128.2 | 144.1 | 173.8 | 214.1 | 240.6 | 270.3 | 327.5 | 375.2 | 408.1 | 431.4 |
| 75° | 103.9 | 111.3 | 132.5 | 166.4 | 213.0 | 241.7 | 268.2 | 318.0 | 354.0 | 381.6 | 400.6 |
| 77.5° | 89.0 | 97.5 | 122.9 | 160.0 | 208.8 | 234.2 | 257.6 | 296.8 | 325.4 | 349.8 | 373.1 |
| 80° | 73.1 | 83.7 | 112.3 | 152.6 | 196.1 | 217.3 | 235.3 | 268.2 | 294.6 | 319.0 | 343.4 |
| 82.5° | 58.3 | 71.0 | 101.7 | 139.9 | 177.0 | 195.0 | 209.9 | 238.5 | 263.9 | 289.3 | 319.0 |
| 85° | 43.5 | 58.3 | 88.0 | 122.9 | 153.7 | 169.6 | 183.4 | 209.9 | 234.2 | 262.9 | 292.5 |
| 87.5° | 32.9 | 46.6 | 74.2 | 104.9 | 132.5 | 146.3 | 157.9 | 182.3 | 207.7 | 235.3 | 266.0 |
| 90° | 27.6 | 38.2 | 62.5 | 88.0 | 113.4 | 125.1 | 135.7 | 160.0 | 183.4 | 207.7 | 236.4 |
| 92.5° | 25.4 | 31.8 | 51.9 | 73.1 | 94.3 | 103.9 | 114.5 | 134.6 | 154.7 | 178.1 | 202.4 |
| 95° | 24.4 | 27.6 | 41.3 | 58.3 | 75.3 | 82.7 | 91.2 | 106.0 | 121.9 | 141.0 | 159.0 |
| 97.5° | 23.3 | 24.4 | 32.9 | 45.6 | 58.3 | 63.6 | 70.0 | 82.7 | 94.3 | 106.0 | 119.8 |
| 100° | 21.2 | 22.3 | 26.5 | 35.0 | 44.5 | 49.8 | 53.0 | 61.5 | 70.0 | 77.4 | 85.9 |
| 102.5° | 20.1 | 20.1 | 22.3 | 27.6 | 33.9 | 37.1 | 40.3 | 46.6 | 51.9 | 57.2 | 60.4 |
| 105° | 18.0 | 18.0 | 19.1 | 22.3 | 26.5 | 28.6 | 30.7 | 35.0 | 38.2 | 41.3 | 43.5 |
| 107.5° | 15.9 | 15.9 | 15.9 | 19.1 | 22.3 | 23.3 | 25.4 | 27.6 | 30.7 | 31.8 | 32.9 |
| 110° | 13.8 | 13.8 | 13.8 | 15.9 | 18.0 | 19.1 | 21.2 | 23.3 | 25.4 | 25.4 | 26.5 |



TEST NUMBER: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 12.7 | 11.7 | 11.7 | 12.7 | 15.9 | 17.0 | 18.0 | 20.1 | 21.2 | 22.3 | 22.3 |
| 115° | 10.6 | 10.6 | 9.5 | 10.6 | 12.7 | 13.8 | 14.8 | 17.0 | 19.1 | 20.1 | 20.1 |
| 117.5° | 8.5 | 8.5 | 8.5 | 8.5 | 10.6 | 11.7 | 12.7 | 14.8 | 17.0 | 18.0 | 18.0 |
| 120° | 7.4 | 7.4 | 6.4 | 6.4 | 8.5 | 9.5 | 10.6 | 12.7 | 14.8 | 15.9 | 15.9 |
| 122.5° | 5.3 | 5.3 | 5.3 | 5.3 | 6.4 | 7.4 | 8.5 | 10.6 | 12.7 | 13.8 | 13.8 |
| 125° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 5.3 | 6.4 | 8.5 | 9.5 | 11.7 | 12.7 |
| 127.5° | 4.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 4.2 | 6.4 | 8.5 | 9.5 | 10.6 |
| 130° | 3.2 | 3.2 | 3.2 | 2.1 | 2.1 | 2.1 | 3.2 | 4.2 | 6.4 | 7.4 | 8.5 |
| 132.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.1 | 2.1 | 3.2 | 4.2 | 5.3 | 6.4 |
| 135° | 2.1 | 2.1 | 2.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 3.2 | 3.2 | 4.2 |
| 137.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 | 1.1 | 1.1 | 2.1 | 3.2 |
| 140° | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 |
| 142.5° | 1.1 | 1.1 | 1.1 | 1.1 | 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: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 |
| 2.5° | 562.8 | 562.8 | 562.8 | 562.8 | 562.8 | 561.7 | 561.7 | 561.7 | 560.7 | 560.7 |
| 5° | 564.9 | 564.9 | 564.9 | 564.9 | 564.9 | 563.9 | 563.9 | 562.8 | 562.8 | 561.7 |
| 7.5° | 563.9 | 564.9 | 563.9 | 563.9 | 563.9 | 563.9 | 562.8 | 562.8 | 561.7 | 561.7 |
| 10° | 561.7 | 562.8 | 562.8 | 563.9 | 563.9 | 563.9 | 562.8 | 562.8 | 560.7 | 560.7 |
| 12.5° | 559.6 | 560.7 | 560.7 | 562.8 | 562.8 | 562.8 | 561.7 | 561.7 | 561.7 | 561.7 |
| 15° | 555.4 | 557.5 | 560.7 | 561.7 | 561.7 | 561.7 | 560.7 | 560.7 | 560.7 | 560.7 |
| 17.5° | 551.1 | 553.3 | 556.4 | 558.6 | 559.6 | 560.7 | 560.7 | 561.7 | 562.8 | 562.8 |
| 20° | 546.9 | 551.1 | 554.3 | 557.5 | 558.6 | 559.6 | 561.7 | 563.9 | 564.9 | 564.9 |
| 22.5° | 543.7 | 549.0 | 553.3 | 557.5 | 559.6 | 560.7 | 562.8 | 567.0 | 568.1 | 567.0 |
| 25° | 539.5 | 548.0 | 553.3 | 560.7 | 562.8 | 564.9 | 567.0 | 570.2 | 571.3 | 571.3 |
| 27.5° | 536.3 | 544.8 | 552.2 | 558.6 | 562.8 | 566.0 | 570.2 | 573.4 | 575.5 | 576.6 |
| 30° | 531.0 | 542.7 | 552.2 | 560.7 | 563.9 | 567.0 | 573.4 | 576.6 | 577.6 | 576.6 |
| 32.5° | 527.8 | 539.5 | 550.1 | 558.6 | 561.7 | 566.0 | 573.4 | 577.6 | 579.8 | 578.7 |
| 35° | 521.5 | 535.2 | 546.9 | 557.5 | 560.7 | 564.9 | 571.3 | 576.6 | 577.6 | 577.6 |
| 37.5° | 513.0 | 527.8 | 540.5 | 552.2 | 555.4 | 559.6 | 566.0 | 571.3 | 573.4 | 573.4 |
| 40° | 505.6 | 519.3 | 533.1 | 544.8 | 549.0 | 553.3 | 560.7 | 568.1 | 571.3 | 570.2 |
| 42.5° | 495.0 | 510.9 | 525.7 | 539.5 | 544.8 | 549.0 | 558.6 | 567.0 | 570.2 | 571.3 |
| 45° | 484.4 | 502.4 | 519.3 | 535.2 | 543.7 | 550.1 | 561.7 | 572.3 | 577.6 | 576.6 |
| 47.5° | 474.8 | 497.1 | 519.3 | 539.5 | 550.1 | 556.4 | 570.2 | 579.8 | 584.0 | 586.1 |
| 50° | 469.5 | 498.1 | 524.6 | 545.8 | 556.4 | 564.9 | 580.8 | 591.4 | 597.8 | 601.0 |
| 52.5° | 470.6 | 502.4 | 532.1 | 558.6 | 569.2 | 579.8 | 596.7 | 609.4 | 613.7 | 616.9 |
| 55° | 476.9 | 513.0 | 545.8 | 574.5 | 586.1 | 595.7 | 610.5 | 617.9 | 624.3 | 625.3 |
| 57.5° | 487.5 | 527.8 | 559.6 | 584.0 | 592.5 | 599.9 | 612.6 | 619.0 | 622.2 | 623.2 |
| 60° | 502.4 | 538.4 | 563.9 | 585.1 | 590.4 | 596.7 | 605.2 | 609.4 | 609.4 | 610.5 |
| 62.5° | 510.9 | 541.6 | 561.7 | 572.3 | 578.7 | 582.9 | 590.4 | 594.6 | 597.8 | 596.7 |
| 65° | 508.7 | 533.1 | 546.9 | 559.6 | 562.8 | 567.0 | 571.3 | 578.7 | 578.7 | 580.8 |
| 67.5° | 497.1 | 517.2 | 527.8 | 538.4 | 542.7 | 549.0 | 555.4 | 561.7 | 562.8 | 564.9 |
| 70° | 476.9 | 492.8 | 504.5 | 517.2 | 521.5 | 527.8 | 537.4 | 546.9 | 550.1 | 552.2 |
| 72.5° | 449.4 | 465.3 | 482.2 | 499.2 | 506.6 | 514.0 | 526.8 | 535.2 | 540.5 | 542.7 |
| 75° | 420.8 | 440.9 | 463.2 | 484.4 | 495.0 | 504.5 | 516.2 | 529.9 | 533.1 | 538.4 |
| 77.5° | 396.4 | 420.8 | 448.3 | 470.6 | 481.2 | 490.7 | 505.6 | 515.1 | 521.5 | 522.5 |
| 80° | 372.0 | 398.5 | 427.1 | 452.6 | 464.2 | 473.8 | 490.7 | 501.3 | 509.8 | 509.8 |
| 82.5° | 347.6 | 379.4 | 409.1 | 433.5 | 446.2 | 454.7 | 473.8 | 482.2 | 491.8 | 490.7 |
| 85° | 323.3 | 356.1 | 384.7 | 409.1 | 420.8 | 431.4 | 448.3 | 460.0 | 467.4 | 467.4 |
| 87.5° | 296.8 | 324.3 | 354.0 | 380.5 | 389.0 | 399.6 | 415.5 | 428.2 | 432.4 | 436.7 |
| 90° | 265.0 | 291.5 | 320.1 | 341.3 | 350.8 | 361.4 | 377.3 | 389.0 | 395.3 | 399.6 |
| 92.5° | 227.9 | 252.3 | 274.5 | 292.5 | 302.1 | 312.7 | 325.4 | 338.1 | 341.3 | 342.3 |
| 95° | 179.1 | 197.1 | 217.3 | 234.2 | 237.4 | 248.0 | 258.6 | 270.3 | 275.6 | 275.6 |
| 97.5° | 133.5 | 145.2 | 159.0 | 167.5 | 172.8 | 177.0 | 184.4 | 191.8 | 192.9 | 195.0 |
| 100° | 94.3 | 100.7 | 108.1 | 114.5 | 116.6 | 119.8 | 124.0 | 128.2 | 128.2 | 128.2 |
| 102.5° | 65.7 | 70.0 | 73.1 | 76.3 | 76.3 | 77.4 | 78.4 | 80.6 | 80.6 | 81.6 |
| 105° | 45.6 | 47.7 | 47.7 | 47.7 | 48.8 | 48.8 | 47.7 | 48.8 | 49.8 | 47.7 |
| 107.5° | 33.9 | 33.9 | 32.9 | 31.8 | 32.9 | 31.8 | 30.7 | 30.7 | 29.7 | 29.7 |
| 110° | 26.5 | 25.4 | 24.4 | 24.4 | 23.3 | 23.3 | 22.3 | 21.2 | 20.1 | 21.2 |



TEST NUMBER: P237772

CATALOG NUMBER: 2VT2-LD5-3-DR100-W-UNV-L850-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 22.3 | 21.2 | 20.1 | 19.1 | 19.1 | 18.0 | 18.0 | 17.0 | 15.9 | 15.9 |
| 115° | 20.1 | 19.1 | 18.0 | 17.0 | 17.0 | 17.0 | 15.9 | 14.8 | 14.8 | 13.8 |
| 117.5° | 18.0 | 18.0 | 17.0 | 15.9 | 15.9 | 14.8 | 14.8 | 13.8 | 13.8 | 12.7 |
| 120° | 15.9 | 15.9 | 15.9 | 14.8 | 14.8 | 13.8 | 13.8 | 12.7 | 12.7 | 12.7 |
| 122.5° | 14.8 | 14.8 | 13.8 | 13.8 | 13.8 | 12.7 | 12.7 | 11.7 | 11.7 | 11.7 |
| 125° | 12.7 | 12.7 | 12.7 | 12.7 | 11.7 | 11.7 | 11.7 | 10.6 | 10.6 | 10.6 |
| 127.5° | 10.6 | 10.6 | 11.7 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 9.5 | 9.5 |
| 130° | 8.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 8.5 | 8.5 |
| 132.5° | 7.4 | 7.4 | 7.4 | 8.5 | 8.5 | 8.5 | 8.5 | 7.4 | 7.4 | 7.4 |
| 135° | 5.3 | 5.3 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 137.5° | 3.2 | 4.2 | 4.2 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 4.2 |
| 140° | 2.1 | 2.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 142.5° | 1.1 | 1.1 | 1.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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)