

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: P237723

Luminaire Tested: **2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P237723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-355-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U
Description: METALUX VRVT2 LED LUMINAIRE
INTERNAL PRISMATIC LENS/100% DR HIGH IMPACT ADDITIVE STANDARD DISTRIBUTION
2FT FIXTURE
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2201.1 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 2.08' x H: 0.17')
CIE Type: Direct

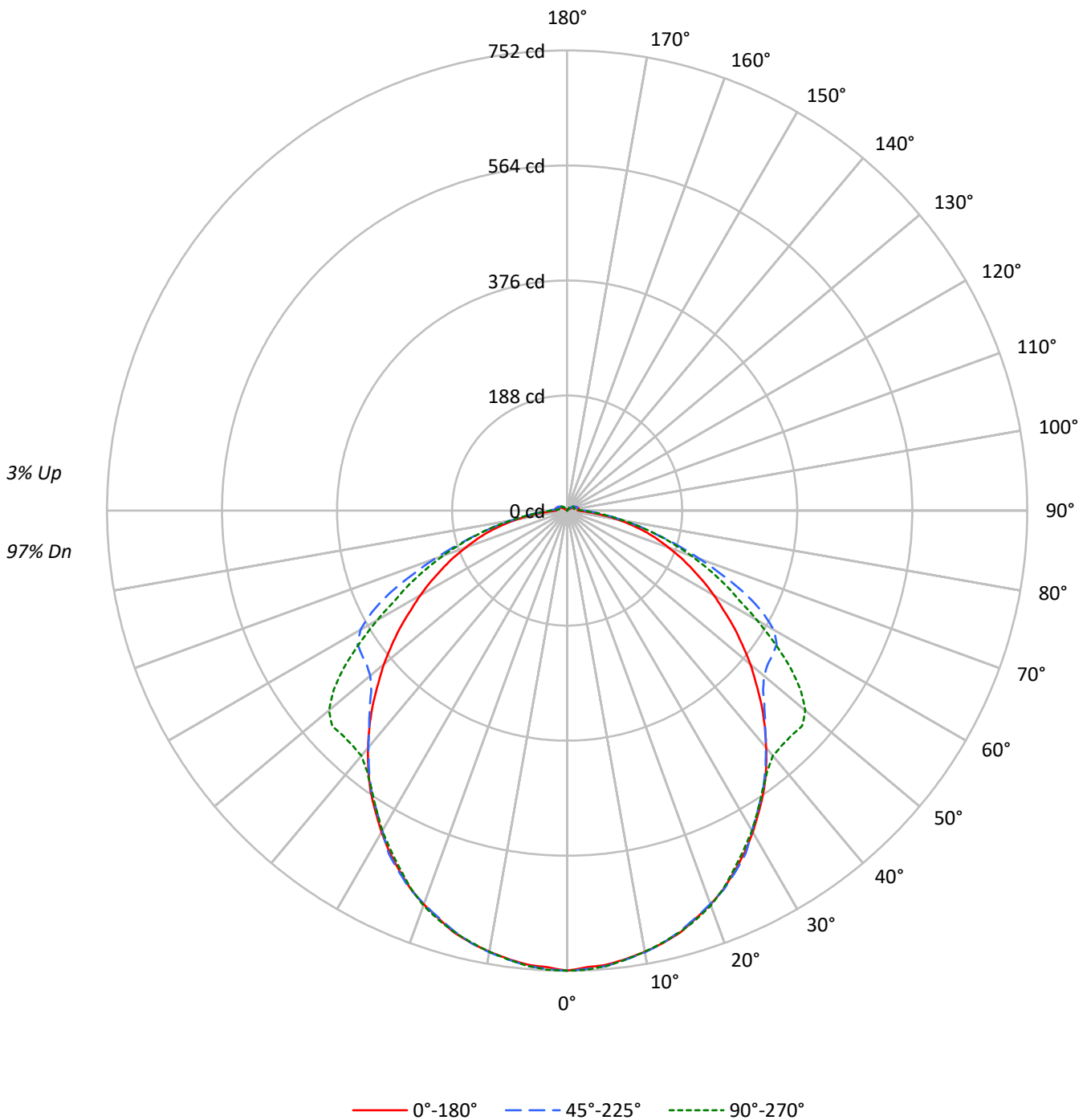
Input Watts (W): 17.38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

Luminous Intensity Polar Plot





TEST NUMBER: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-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 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |
| 1 | 108 | 103 | 98 | 94 | 104 | 100 | 96 | 92 | 95 | 92 | 89 | 91 | 88 | 85 | 87 | 84 | 82 | 80 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 80 | 75 | 83 | 77 | 73 | 79 | 75 | 71 | 76 | 72 | 69 | 66 |
| 3 | 89 | 78 | 70 | 63 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | 69 | 64 | 59 | 67 | 62 | 58 | 55 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 53 | 64 | 57 | 51 | 62 | 55 | 50 | 59 | 54 | 49 | 47 |
| 5 | 75 | 61 | 52 | 46 | 72 | 60 | 52 | 45 | 58 | 50 | 44 | 55 | 49 | 44 | 53 | 47 | 43 | 41 |
| 6 | 69 | 55 | 46 | 40 | 67 | 54 | 46 | 39 | 52 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 38 | 35 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 38 | 33 | 31 |
| 8 | 59 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 43 | 36 | 31 | 42 | 35 | 30 | 40 | 34 | 30 | 28 |
| 9 | 55 | 42 | 34 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 27 | 25 |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 37 | 30 | 25 | 36 | 29 | 25 | 35 | 29 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7770 | 7770 | 7770 |
| 5° | 7673 | 7554 | 7528 |
| 10° | 7573 | 7313 | 7253 |
| 15° | 7477 | 7063 | 7001 |
| 20° | 7318 | 6797 | 6736 |
| 25° | 7132 | 6531 | 6374 |
| 30° | 6922 | 6165 | 6043 |
| 35° | 6690 | 5843 | 5697 |
| 40° | 6396 | 5470 | 5513 |
| 45° | 6075 | 5157 | 5688 |
| 50° | 5739 | 5008 | 5845 |
| 55° | 5384 | 5211 | 5419 |
| 60° | 5028 | 5351 | 4691 |
| 65° | 4696 | 4825 | 4049 |
| 70° | 4359 | 3854 | 3406 |
| 75° | 4028 | 2903 | 2704 |
| 80° | 3398 | 2060 | 1915 |
| 85° | 2477 | 1366 | 1208 |



TEST NUMBER: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.8 | 3.2 |
| 10°-20° | 200.8 | 9.1 |
| 20°-30° | 298.6 | 13.6 |
| 30°-40° | 349.2 | 15.9 |
| 40°-50° | 364.8 | 16.6 |
| 50°-60° | 353.3 | 16.1 |
| 60°-70° | 276.1 | 12.5 |
| 70°-80° | 163.2 | 7.4 |
| 80°-90° | 59.8 | 2.7 |
| 90°-100° | 22.1 | 1.0 |
| 100°-110° | 16.5 | 0.8 |
| 110°-120° | 12.7 | 0.6 |
| 120°-130° | 8.0 | 0.4 |
| 130°-140° | 3.9 | 0.2 |
| 140°-150° | 1.2 | 0.1 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 570.1 | 25.9 |
| 0°-40° | 919.3 | 41.8 |
| 0°-60° | 1637.5 | 74.4 |
| 0°-90° | 2136.5 | 97.1 |
| 90°-120° | 51.3 | 2.3 |
| 90°-150° | 64.6 | 2.9 |
| 90°-180° | 65.0 | 3.0 |
| 0°-180° | 2201.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 752 | 752 | 752 | 752 | 752 | |
| 5° | 745 | 745 | 747 | 748 | 747 | 71 |
| 15° | 714 | 712 | 712 | 710 | 713 | 201 |
| 25° | 649 | 646 | 651 | 650 | 646 | 299 |
| 35° | 560 | 557 | 558 | 559 | 557 | 350 |
| 45° | 449 | 448 | 456 | 497 | 519 | 346 |
| 55° | 333 | 335 | 410 | 456 | 444 | 298 |
| 65° | 225 | 254 | 321 | 284 | 284 | 224 |
| 75° | 131 | 174 | 152 | 150 | 152 | 138 |
| 85° | 40 | 56 | 50 | 51 | 49 | 42 |
| 90° | 18 | 30 | 29 | 27 | 26 | 11 |
| 95° | 18 | 21 | 20 | 18 | 16 | 15 |
| 105° | 17 | 17 | 17 | 14 | 12 | 18 |
| 115° | 10 | 12 | 15 | 13 | 12 | 10 |
| 125° | 5 | 5 | 11 | 12 | 11 | 5 |
| 135° | 2 | 2 | 5 | 8 | 9 | 2 |
| 145° | 1 | 1 | 1 | 3 | 4 | 1 |
| 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: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 |
| 2.5° | 746.9 | 746.9 | 746.9 | 746.9 | 747.9 | 747.9 | 747.9 | 748.9 | 748.9 | 748.9 | 749.9 |
| 5° | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 744.9 | 745.9 | 746.9 |
| 7.5° | 738.9 | 738.9 | 739.9 | 739.9 | 739.9 | 739.9 | 739.9 | 739.9 | 740.9 | 739.9 | 739.9 |
| 10° | 731.9 | 732.9 | 731.9 | 730.9 | 731.9 | 731.9 | 731.9 | 732.9 | 732.9 | 732.9 | 732.9 |
| 12.5° | 723.9 | 722.9 | 721.9 | 722.9 | 723.9 | 723.9 | 722.9 | 723.9 | 722.9 | 723.9 | 723.9 |
| 15° | 713.9 | 713.9 | 712.9 | 711.9 | 711.9 | 711.9 | 710.9 | 711.9 | 709.9 | 709.9 | 711.9 |
| 17.5° | 698.9 | 700.9 | 700.9 | 699.9 | 698.9 | 698.9 | 698.9 | 696.9 | 697.9 | 697.9 | 697.9 |
| 20° | 684.9 | 684.9 | 683.9 | 683.9 | 683.9 | 683.9 | 683.9 | 682.9 | 681.9 | 682.9 | 683.9 |
| 22.5° | 668.9 | 666.9 | 668.9 | 666.9 | 665.9 | 665.9 | 663.9 | 665.9 | 667.9 | 666.9 | 669.9 |
| 25° | 648.9 | 649.9 | 649.9 | 647.9 | 645.9 | 645.9 | 646.9 | 646.9 | 648.9 | 650.9 | 650.9 |
| 27.5° | 628.9 | 627.9 | 628.9 | 627.9 | 625.9 | 625.9 | 625.9 | 627.9 | 629.9 | 629.9 | 631.9 |
| 30° | 606.9 | 607.9 | 605.9 | 605.9 | 604.9 | 604.9 | 604.9 | 605.9 | 607.9 | 606.9 | 603.9 |
| 32.5° | 583.0 | 582.0 | 582.0 | 582.0 | 582.0 | 582.0 | 582.0 | 584.0 | 584.0 | 583.0 | 580.0 |
| 35° | 560.0 | 559.0 | 557.0 | 556.0 | 557.0 | 557.0 | 558.0 | 558.0 | 557.0 | 557.0 | 558.0 |
| 37.5° | 534.0 | 532.0 | 531.0 | 530.0 | 532.0 | 532.0 | 531.0 | 531.0 | 530.0 | 530.0 | 532.0 |
| 40° | 506.0 | 505.0 | 503.0 | 504.0 | 504.0 | 504.0 | 504.0 | 505.0 | 504.0 | 504.0 | 505.0 |
| 42.5° | 478.0 | 476.0 | 476.0 | 476.0 | 476.0 | 477.0 | 476.0 | 476.0 | 476.0 | 477.0 | 479.0 |
| 45° | 449.0 | 448.0 | 447.0 | 447.0 | 449.0 | 448.0 | 448.0 | 448.0 | 450.0 | 450.0 | 456.0 |
| 47.5° | 419.0 | 418.0 | 417.0 | 418.0 | 419.0 | 420.0 | 420.0 | 419.0 | 422.0 | 427.0 | 434.0 |
| 50° | 391.0 | 390.0 | 389.0 | 390.0 | 390.0 | 390.0 | 390.0 | 394.0 | 396.0 | 405.0 | 420.0 |
| 52.5° | 361.0 | 361.0 | 361.0 | 361.0 | 362.0 | 362.0 | 363.0 | 367.0 | 376.0 | 391.0 | 413.0 |
| 55° | 333.0 | 333.0 | 331.0 | 333.0 | 335.0 | 335.0 | 339.0 | 346.0 | 360.0 | 383.0 | 410.0 |
| 57.5° | 303.0 | 304.0 | 304.0 | 305.0 | 308.0 | 311.0 | 314.0 | 327.0 | 349.0 | 378.0 | 406.0 |
| 60° | 277.0 | 278.0 | 277.0 | 281.0 | 285.0 | 289.0 | 295.0 | 315.0 | 342.0 | 372.0 | 390.0 |
| 62.5° | 251.0 | 251.0 | 251.0 | 256.0 | 263.0 | 269.0 | 278.0 | 304.0 | 334.0 | 354.0 | 360.0 |
| 65° | 225.0 | 225.0 | 228.0 | 232.0 | 244.0 | 254.0 | 265.0 | 294.0 | 318.0 | 326.0 | 321.0 |
| 67.5° | 201.0 | 201.0 | 205.0 | 213.0 | 227.0 | 238.0 | 252.0 | 278.0 | 289.0 | 287.0 | 274.0 |
| 70° | 176.0 | 177.0 | 183.0 | 193.0 | 211.0 | 223.0 | 235.0 | 249.0 | 250.0 | 242.0 | 230.0 |
| 72.5° | 154.0 | 155.0 | 160.0 | 173.0 | 192.0 | 202.0 | 210.0 | 214.0 | 207.0 | 197.0 | 189.0 |
| 75° | 131.0 | 132.0 | 139.0 | 152.0 | 169.0 | 174.0 | 177.0 | 176.0 | 170.0 | 159.0 | 152.0 |
| 77.5° | 107.0 | 110.0 | 117.0 | 129.0 | 140.0 | 143.0 | 143.0 | 139.0 | 133.0 | 125.0 | 121.0 |
| 80° | 83.0 | 86.0 | 93.0 | 103.0 | 108.0 | 110.0 | 109.0 | 106.0 | 100.0 | 94.0 | 92.0 |
| 82.5° | 60.0 | 63.0 | 70.0 | 77.0 | 80.0 | 80.0 | 79.0 | 76.0 | 73.0 | 70.0 | 69.0 |
| 85° | 40.0 | 43.0 | 48.0 | 53.0 | 56.0 | 56.0 | 56.0 | 55.0 | 53.0 | 52.0 | 50.0 |
| 87.5° | 24.0 | 27.0 | 32.0 | 36.0 | 38.0 | 39.0 | 39.0 | 39.0 | 38.0 | 38.0 | 37.0 |
| 90° | 18.0 | 20.0 | 23.0 | 26.0 | 29.0 | 30.0 | 30.0 | 30.0 | 30.0 | 29.0 | 29.0 |
| 92.5° | 17.0 | 18.0 | 20.0 | 22.0 | 24.0 | 24.0 | 25.0 | 25.0 | 25.0 | 24.0 | 24.0 |
| 95° | 18.0 | 18.0 | 19.0 | 20.0 | 21.0 | 21.0 | 22.0 | 22.0 | 22.0 | 21.0 | 20.0 |
| 97.5° | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 20.0 | 20.0 | 20.0 | 20.0 | 19.0 | 19.0 |
| 100° | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 18.0 | 18.0 |
| 102.5° | 19.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 17.0 |
| 105° | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 18.0 | 18.0 | 17.0 | 17.0 |
| 107.5° | 16.0 | 16.0 | 15.0 | 16.0 | 16.0 | 16.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 110° | 14.0 | 14.0 | 13.0 | 14.0 | 15.0 | 15.0 | 15.0 | 16.0 | 17.0 | 17.0 | 17.0 |



TEST NUMBER: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 12.0 | 12.0 | 12.0 | 12.0 | 13.0 | 14.0 | 14.0 | 15.0 | 16.0 | 16.0 | 16.0 |
| 115° | 10.0 | 10.0 | 10.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 15.0 | 15.0 |
| 117.5° | 9.0 | 8.0 | 8.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 14.0 |
| 120° | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 11.0 | 12.0 | 13.0 | 13.0 |
| 122.5° | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 |
| 125° | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 7.0 | 9.0 | 10.0 | 11.0 |
| 127.5° | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 |
| 130° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 7.0 | 8.0 |
| 132.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 5.0 | 6.0 |
| 135° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 |
| 137.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 |
| 140° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 |
| 142.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 |
| 145° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 147.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.0 |
| 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: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 | 751.9 |
| 2.5° | 749.9 | 750.9 | 750.9 | 751.9 | 751.9 | 750.9 | 750.9 | 750.9 | 750.9 | 750.9 |
| 5° | 747.9 | 747.9 | 748.9 | 748.9 | 747.9 | 747.9 | 746.9 | 746.9 | 747.9 | 746.9 |
| 7.5° | 739.9 | 739.9 | 739.9 | 740.9 | 740.9 | 741.9 | 740.9 | 740.9 | 739.9 | 739.9 |
| 10° | 731.9 | 730.9 | 730.9 | 729.9 | 730.9 | 730.9 | 731.9 | 731.9 | 731.9 | 731.9 |
| 12.5° | 723.9 | 723.9 | 722.9 | 721.9 | 721.9 | 721.9 | 720.9 | 721.9 | 721.9 | 722.9 |
| 15° | 710.9 | 712.9 | 710.9 | 710.9 | 709.9 | 709.9 | 709.9 | 710.9 | 711.9 | 712.9 |
| 17.5° | 699.9 | 700.9 | 701.9 | 701.9 | 701.9 | 701.9 | 701.9 | 700.9 | 700.9 | 700.9 |
| 20° | 685.9 | 686.9 | 687.9 | 688.9 | 687.9 | 686.9 | 684.9 | 684.9 | 685.9 | 686.9 |
| 22.5° | 669.9 | 668.9 | 670.9 | 672.9 | 669.9 | 667.9 | 666.9 | 666.9 | 664.9 | 667.9 |
| 25° | 649.9 | 648.9 | 648.9 | 647.9 | 649.9 | 647.9 | 644.9 | 645.9 | 646.9 | 645.9 |
| 27.5° | 630.9 | 627.9 | 626.9 | 627.9 | 627.9 | 626.9 | 627.9 | 624.9 | 626.9 | 624.9 |
| 30° | 605.9 | 604.9 | 605.9 | 605.9 | 605.9 | 605.9 | 606.9 | 605.9 | 605.9 | 603.9 |
| 32.5° | 582.0 | 582.0 | 583.0 | 584.0 | 585.0 | 583.0 | 582.0 | 583.0 | 582.0 | 580.0 |
| 35° | 556.0 | 560.0 | 558.0 | 560.0 | 559.0 | 558.0 | 557.0 | 559.0 | 559.0 | 557.0 |
| 37.5° | 531.0 | 533.0 | 534.0 | 535.0 | 534.0 | 536.0 | 536.0 | 537.0 | 537.0 | 537.0 |
| 40° | 505.0 | 507.0 | 510.0 | 512.0 | 513.0 | 515.0 | 518.0 | 522.0 | 524.0 | 523.0 |
| 42.5° | 481.0 | 487.0 | 490.0 | 497.0 | 501.0 | 505.0 | 512.0 | 516.0 | 520.0 | 520.0 |
| 45° | 460.0 | 469.0 | 481.0 | 493.0 | 497.0 | 501.0 | 508.0 | 514.0 | 517.0 | 519.0 |
| 47.5° | 446.0 | 462.0 | 476.0 | 489.0 | 496.0 | 502.0 | 510.0 | 518.0 | 518.0 | 521.0 |
| 50° | 439.0 | 459.0 | 477.0 | 492.0 | 497.0 | 502.0 | 506.0 | 509.0 | 510.0 | 508.0 |
| 52.5° | 437.0 | 460.0 | 476.0 | 481.0 | 484.0 | 486.0 | 484.0 | 485.0 | 484.0 | 481.0 |
| 55° | 436.0 | 452.0 | 458.0 | 458.0 | 456.0 | 455.0 | 448.0 | 448.0 | 444.0 | 444.0 |
| 57.5° | 423.0 | 430.0 | 426.0 | 420.0 | 416.0 | 413.0 | 408.0 | 404.0 | 401.0 | 401.0 |
| 60° | 396.0 | 392.0 | 384.0 | 376.0 | 372.0 | 367.0 | 363.0 | 361.0 | 356.0 | 358.0 |
| 62.5° | 358.0 | 346.0 | 337.0 | 329.0 | 325.0 | 322.0 | 318.0 | 316.0 | 316.0 | 317.0 |
| 65° | 311.0 | 300.0 | 289.0 | 286.0 | 284.0 | 283.0 | 284.0 | 283.0 | 282.0 | 284.0 |
| 67.5° | 264.0 | 255.0 | 250.0 | 248.0 | 247.0 | 248.0 | 249.0 | 250.0 | 249.0 | 249.0 |
| 70° | 222.0 | 216.0 | 213.0 | 214.0 | 214.0 | 215.0 | 216.0 | 217.0 | 216.0 | 216.0 |
| 72.5° | 182.0 | 179.0 | 180.0 | 181.0 | 181.0 | 182.0 | 183.0 | 183.0 | 183.0 | 183.0 |
| 75° | 148.0 | 148.0 | 149.0 | 151.0 | 150.0 | 151.0 | 151.0 | 152.0 | 151.0 | 152.0 |
| 77.5° | 118.0 | 120.0 | 120.0 | 121.0 | 122.0 | 122.0 | 122.0 | 121.0 | 121.0 | 121.0 |
| 80° | 91.0 | 92.0 | 94.0 | 95.0 | 94.0 | 95.0 | 95.0 | 95.0 | 93.0 | 93.0 |
| 82.5° | 69.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.0 | 70.0 | 69.0 | 69.0 | 69.0 |
| 85° | 51.0 | 51.0 | 51.0 | 52.0 | 51.0 | 51.0 | 50.0 | 49.0 | 49.0 | 49.0 |
| 87.5° | 37.0 | 38.0 | 37.0 | 37.0 | 37.0 | 37.0 | 36.0 | 36.0 | 35.0 | 35.0 |
| 90° | 29.0 | 29.0 | 28.0 | 28.0 | 27.0 | 27.0 | 27.0 | 26.0 | 26.0 | 26.0 |
| 92.5° | 23.0 | 23.0 | 22.0 | 22.0 | 22.0 | 21.0 | 21.0 | 20.0 | 20.0 | 20.0 |
| 95° | 20.0 | 19.0 | 19.0 | 18.0 | 18.0 | 18.0 | 17.0 | 17.0 | 16.0 | 16.0 |
| 97.5° | 18.0 | 17.0 | 17.0 | 16.0 | 16.0 | 15.0 | 15.0 | 15.0 | 14.0 | 14.0 |
| 100° | 17.0 | 16.0 | 15.0 | 15.0 | 14.0 | 14.0 | 14.0 | 13.0 | 13.0 | 13.0 |
| 102.5° | 16.0 | 16.0 | 15.0 | 14.0 | 14.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 |
| 105° | 16.0 | 16.0 | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |
| 107.5° | 16.0 | 16.0 | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |
| 110° | 16.0 | 15.0 | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |



TEST NUMBER: P237723

CATALOG NUMBER: 2VRVT2-LD5-2-DR100-UNV-L840-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 112.5° | 16.0 | 15.0 | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |
| 115° | 15.0 | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |
| 117.5° | 14.0 | 14.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 |
| 120° | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 122.5° | 12.0 | 13.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 125° | 11.0 | 11.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.0 | 11.0 | 11.0 |
| 127.5° | 10.0 | 10.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 130° | 9.0 | 9.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 132.5° | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 135° | 6.0 | 7.0 | 7.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 |
| 137.5° | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 140° | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 142.5° | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 145° | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 147.5° | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 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)