

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: P237887

Luminaire Tested: **4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P237887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-355-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U
Description: METALUX VT2 LED LUMINAIRE
INTERNAL PRISMATIC LENS/100% DR HIGH IMPACT ADDITIVE WIDE DISTRIBUTION
4FT FIXTURE
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7618.8 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.58 / 1.57
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 4.17' x H: 0.17')
CIE Type: Semi-Direct

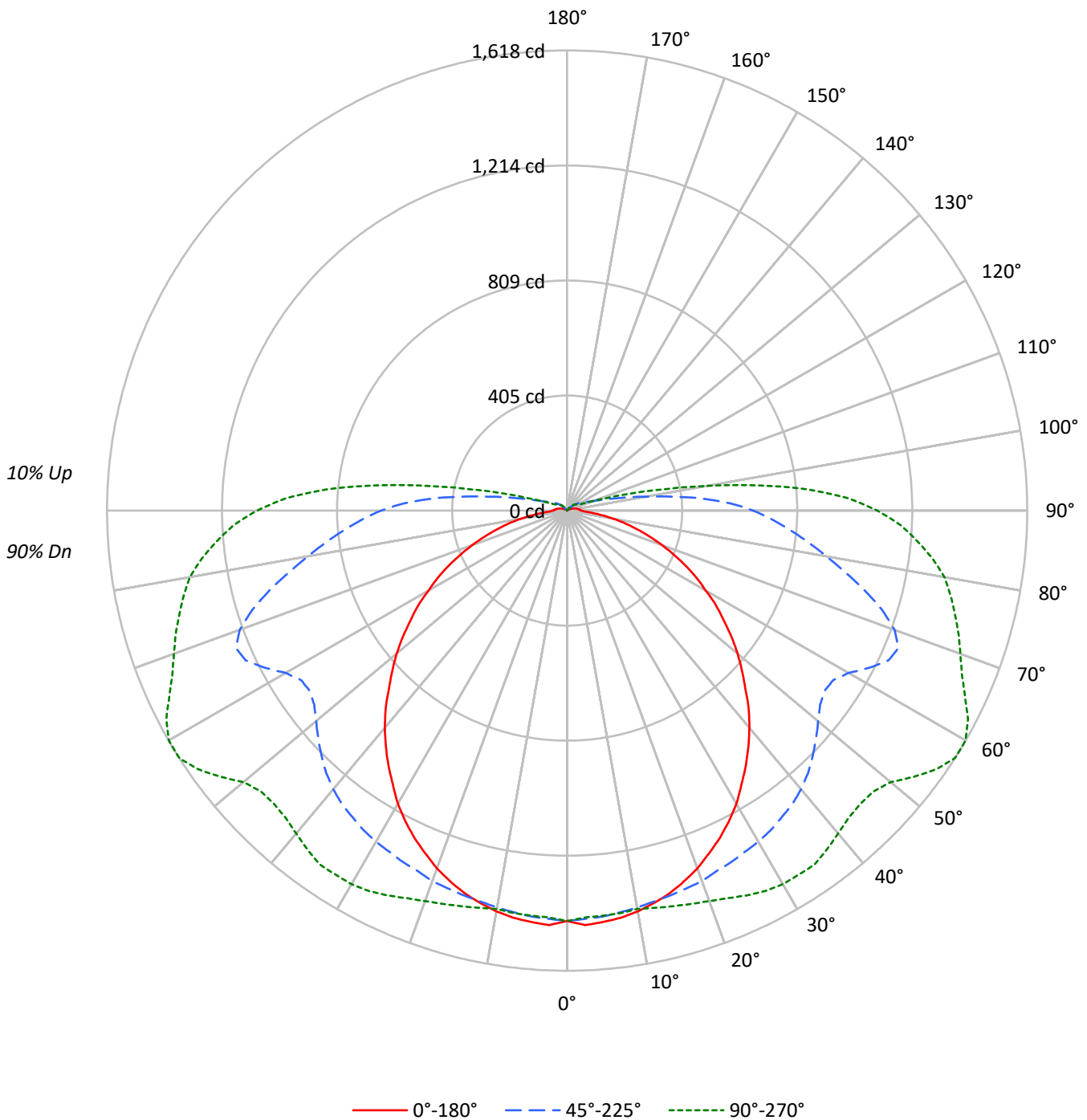
Input Watts (W): 58.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

Luminous Intensity Polar Plot





TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-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 | 99 | 99 | 99 | 93 | 93 | 93 | 90 |
| 1 | 101 | 94 | 88 | 83 | 97 | 91 | 85 | 80 | 85 | 80 | 76 | 79 | 75 | 72 | 74 | 71 | 68 | 65 |
| 2 | 90 | 79 | 71 | 63 | 86 | 77 | 69 | 62 | 71 | 64 | 59 | 66 | 61 | 56 | 62 | 57 | 53 | 50 |
| 3 | 81 | 68 | 58 | 50 | 77 | 66 | 57 | 49 | 61 | 53 | 47 | 57 | 50 | 45 | 53 | 47 | 43 | 40 |
| 4 | 73 | 59 | 49 | 41 | 70 | 57 | 48 | 40 | 53 | 45 | 39 | 50 | 43 | 37 | 46 | 40 | 35 | 33 |
| 5 | 67 | 52 | 42 | 35 | 64 | 51 | 41 | 34 | 47 | 39 | 33 | 44 | 37 | 31 | 41 | 35 | 30 | 27 |
| 6 | 62 | 47 | 37 | 30 | 59 | 45 | 36 | 29 | 42 | 34 | 28 | 40 | 32 | 27 | 37 | 31 | 26 | 23 |
| 7 | 57 | 42 | 33 | 26 | 55 | 41 | 32 | 25 | 38 | 30 | 24 | 36 | 29 | 24 | 34 | 27 | 23 | 20 |
| 8 | 53 | 38 | 29 | 23 | 51 | 37 | 28 | 22 | 35 | 27 | 22 | 33 | 26 | 21 | 31 | 25 | 20 | 18 |
| 9 | 49 | 35 | 26 | 20 | 47 | 34 | 26 | 20 | 32 | 24 | 19 | 30 | 23 | 19 | 28 | 22 | 18 | 16 |
| 10 | 46 | 32 | 24 | 18 | 44 | 31 | 23 | 18 | 30 | 22 | 17 | 28 | 21 | 17 | 26 | 20 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 7456 | 7456 | 7456 |
| 5° | 7504 | 7264 | 7206 |
| 10° | 7455 | 7103 | 7046 |
| 15° | 7372 | 6999 | 7071 |
| 20° | 7257 | 6953 | 7164 |
| 25° | 7107 | 6924 | 7366 |
| 30° | 6939 | 6958 | 7590 |
| 35° | 6718 | 7006 | 7763 |
| 40° | 6506 | 7062 | 7811 |
| 45° | 6225 | 7058 | 7990 |
| 50° | 6000 | 7044 | 8543 |
| 55° | 5726 | 7228 | 9673 |
| 60° | 5441 | 8098 | 10594 |
| 65° | 5179 | 9734 | 11001 |
| 70° | 4832 | 10726 | 11599 |
| 75° | 4429 | 10890 | 12561 |
| 80° | 4026 | 11021 | 13866 |
| 85° | 3458 | 11613 | 15233 |



TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 136.9 | 1.8 |
| 10°-20° | 399.5 | 5.2 |
| 20°-30° | 634.8 | 8.3 |
| 30°-40° | 820.6 | 10.8 |
| 40°-50° | 926.0 | 12.2 |
| 50°-60° | 1015.2 | 13.3 |
| 60°-70° | 1083.3 | 14.2 |
| 70°-80° | 1015.5 | 13.3 |
| 80°-90° | 817.9 | 10.7 |
| 90°-100° | 509.3 | 6.7 |
| 100°-110° | 165.1 | 2.2 |
| 110°-120° | 53.9 | 0.7 |
| 120°-130° | 27.6 | 0.4 |
| 130°-140° | 11.4 | 0.1 |
| 140°-150° | 1.8 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1171.2 | 15.4 |
| 0°-40° | 1991.8 | 26.1 |
| 0°-60° | 3933.0 | 51.6 |
| 0°-90° | 6849.8 | 89.9 |
| 90°-120° | 728.3 | 9.6 |
| 90°-150° | 769.0 | 10.1 |
| 90°-180° | 769.0 | 10.1 |
| 0°-180° | 7618.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1443 | 1443 | 1443 | 1443 | 1443 | |
| 5° | 1452 | 1447 | 1433 | 1435 | 1430 | 138 |
| 15° | 1393 | 1393 | 1401 | 1437 | 1440 | 393 |
| 25° | 1270 | 1287 | 1364 | 1460 | 1493 | 585 |
| 35° | 1095 | 1157 | 1316 | 1467 | 1518 | 685 |
| 45° | 886 | 995 | 1221 | 1389 | 1458 | 686 |
| 55° | 672 | 815 | 1105 | 1468 | 1585 | 602 |
| 65° | 460 | 645 | 1247 | 1510 | 1543 | 455 |
| 75° | 255 | 624 | 1083 | 1310 | 1412 | 272 |
| 85° | 85 | 427 | 787 | 1115 | 1236 | 87 |
| 90° | 49 | 319 | 654 | 971 | 1091 | 28 |
| 95° | 43 | 222 | 481 | 753 | 852 | 34 |
| 105° | 29 | 80 | 159 | 206 | 230 | 30 |
| 115° | 14 | 36 | 72 | 64 | 55 | 15 |
| 125° | 6 | 12 | 43 | 44 | 38 | 6 |
| 135° | 2 | 0 | 17 | 26 | 25 | 2 |
| 145° | 1 | 0 | 0 | 5 | 5 | 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: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|------|------|------|-------|------|------|------|------|------|
| 0° | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 |
| 2.5° | 1459 | 1455 | 1452 | 1452 | 1452 | 1451 | 1451 | 1450 | 1448 | 1442 | 1437 |
| 5° | 1452 | 1450 | 1447 | 1447 | 1447 | 1447 | 1447 | 1445 | 1441 | 1437 | 1433 |
| 7.5° | 1444 | 1442 | 1438 | 1439 | 1436 | 1437 | 1436 | 1434 | 1433 | 1430 | 1425 |
| 10° | 1431 | 1429 | 1425 | 1426 | 1424 | 1425 | 1425 | 1426 | 1424 | 1421 | 1417 |
| 12.5° | 1413 | 1412 | 1410 | 1409 | 1411 | 1413 | 1414 | 1412 | 1410 | 1409 | 1408 |
| 15° | 1393 | 1391 | 1389 | 1390 | 1393 | 1393 | 1396 | 1396 | 1396 | 1397 | 1401 |
| 17.5° | 1367 | 1366 | 1364 | 1366 | 1368 | 1369 | 1373 | 1375 | 1376 | 1384 | 1393 |
| 20° | 1339 | 1337 | 1335 | 1337 | 1340 | 1344 | 1348 | 1354 | 1363 | 1376 | 1386 |
| 22.5° | 1304 | 1303 | 1302 | 1304 | 1309 | 1315 | 1322 | 1335 | 1349 | 1363 | 1372 |
| 25° | 1270 | 1268 | 1267 | 1271 | 1281 | 1287 | 1296 | 1313 | 1329 | 1347 | 1364 |
| 27.5° | 1232 | 1226 | 1231 | 1235 | 1248 | 1256 | 1267 | 1289 | 1307 | 1327 | 1353 |
| 30° | 1190 | 1187 | 1187 | 1196 | 1213 | 1225 | 1238 | 1263 | 1284 | 1312 | 1344 |
| 32.5° | 1141 | 1142 | 1144 | 1156 | 1179 | 1193 | 1204 | 1233 | 1260 | 1295 | 1332 |
| 35° | 1095 | 1093 | 1098 | 1115 | 1141 | 1157 | 1172 | 1203 | 1237 | 1276 | 1316 |
| 37.5° | 1047 | 1045 | 1052 | 1072 | 1100 | 1117 | 1134 | 1173 | 1212 | 1256 | 1301 |
| 40° | 997 | 997 | 1005 | 1027 | 1058 | 1076 | 1096 | 1140 | 1183 | 1231 | 1279 |
| 42.5° | 945 | 943 | 953 | 983 | 1018 | 1036 | 1060 | 1106 | 1155 | 1203 | 1253 |
| 45° | 886 | 894 | 904 | 934 | 970 | 995 | 1023 | 1072 | 1122 | 1173 | 1221 |
| 47.5° | 834 | 840 | 854 | 886 | 928 | 951 | 981 | 1033 | 1087 | 1136 | 1187 |
| 50° | 782 | 785 | 804 | 836 | 880 | 909 | 938 | 991 | 1044 | 1100 | 1152 |
| 52.5° | 728 | 729 | 752 | 783 | 835 | 864 | 891 | 947 | 1004 | 1062 | 1121 |
| 55° | 672 | 675 | 699 | 733 | 788 | 815 | 845 | 903 | 965 | 1031 | 1105 |
| 57.5° | 621 | 624 | 647 | 684 | 741 | 770 | 799 | 862 | 930 | 1012 | 1109 |
| 60° | 563 | 571 | 592 | 634 | 692 | 721 | 755 | 825 | 910 | 1019 | 1142 |
| 62.5° | 514 | 516 | 540 | 586 | 647 | 679 | 716 | 801 | 913 | 1050 | 1197 |
| 65° | 460 | 465 | 490 | 542 | 607 | 645 | 689 | 798 | 941 | 1104 | 1247 |
| 67.5° | 406 | 414 | 444 | 501 | 576 | 622 | 678 | 819 | 986 | 1145 | 1261 |
| 70° | 355 | 365 | 399 | 465 | 555 | 613 | 685 | 850 | 1017 | 1148 | 1225 |
| 72.5° | 304 | 318 | 362 | 438 | 547 | 619 | 701 | 869 | 1010 | 1100 | 1161 |
| 75° | 255 | 271 | 328 | 417 | 546 | 624 | 707 | 851 | 951 | 1026 | 1083 |
| 77.5° | 211 | 230 | 296 | 400 | 539 | 612 | 679 | 790 | 873 | 943 | 1001 |
| 80° | 166 | 191 | 268 | 378 | 505 | 563 | 618 | 711 | 786 | 857 | 925 |
| 82.5° | 123 | 156 | 238 | 345 | 447 | 499 | 542 | 627 | 703 | 777 | 855 |
| 85° | 85 | 123 | 202 | 294 | 382 | 427 | 469 | 550 | 625 | 703 | 787 |
| 87.5° | 59 | 97 | 168 | 249 | 330 | 368 | 406 | 484 | 559 | 636 | 722 |
| 90° | 49 | 77 | 140 | 211 | 283 | 319 | 355 | 426 | 500 | 574 | 654 |
| 92.5° | 46 | 64 | 115 | 177 | 242 | 272 | 304 | 370 | 436 | 507 | 575 |
| 95° | 43 | 51 | 91 | 141 | 196 | 222 | 249 | 301 | 361 | 419 | 481 |
| 97.5° | 39 | 42 | 70 | 110 | 154 | 176 | 196 | 238 | 285 | 329 | 373 |
| 100° | 36 | 36 | 53 | 84 | 119 | 135 | 152 | 187 | 218 | 251 | 282 |
| 102.5° | 32 | 32 | 41 | 63 | 91 | 104 | 119 | 143 | 166 | 189 | 211 |
| 105° | 29 | 28 | 33 | 49 | 69 | 80 | 91 | 111 | 129 | 144 | 159 |
| 107.5° | 25 | 25 | 27 | 39 | 55 | 64 | 72 | 89 | 103 | 114 | 122 |
| 110° | 21 | 21 | 22 | 31 | 45 | 52 | 60 | 73 | 84 | 93 | 98 |



TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|----|----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
| 112.5° | 18 | 18 | 17 | 25 | 37 | 44 | 50 | 62 | 72 | 78 | 82 |
| 115° | 14 | 14 | 14 | 19 | 30 | 36 | 42 | 53 | 63 | 69 | 72 |
| 117.5° | 12 | 12 | 11 | 14 | 24 | 30 | 35 | 46 | 54 | 61 | 64 |
| 120° | 9 | 9 | 9 | 9 | 18 | 24 | 29 | 39 | 47 | 53 | 56 |
| 122.5° | 7 | 7 | 7 | 6 | 13 | 18 | 23 | 32 | 40 | 46 | 50 |
| 125° | 6 | 5 | 5 | 5 | 8 | 12 | 17 | 25 | 32 | 39 | 43 |
| 127.5° | 5 | 4 | 4 | 4 | 4 | 7 | 11 | 19 | 26 | 32 | 36 |
| 130° | 4 | 3 | 3 | 3 | 2 | 4 | 7 | 13 | 20 | 25 | 29 |
| 132.5° | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 8 | 14 | 19 | 23 |
| 135° | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 4 | 9 | 13 | 17 |
| 137.5° | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 4 | 8 | 12 |
| 140° | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 7 |
| 142.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 145° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|-------|------|------|------|------|------|
| 0° | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 | 1443 |
| 2.5° | 1437 | 1438 | 1439 | 1439 | 1438 | 1438 | 1437 | 1435 | 1433 | 1432 |
| 5° | 1430 | 1433 | 1435 | 1435 | 1435 | 1434 | 1434 | 1433 | 1431 | 1430 |
| 7.5° | 1424 | 1429 | 1431 | 1430 | 1430 | 1430 | 1430 | 1431 | 1429 | 1428 |
| 10° | 1418 | 1422 | 1426 | 1427 | 1428 | 1427 | 1427 | 1425 | 1424 | 1422 |
| 12.5° | 1412 | 1419 | 1425 | 1430 | 1430 | 1430 | 1432 | 1435 | 1434 | 1431 |
| 15° | 1407 | 1419 | 1426 | 1434 | 1437 | 1440 | 1441 | 1443 | 1440 | 1440 |
| 17.5° | 1404 | 1420 | 1430 | 1438 | 1439 | 1443 | 1449 | 1452 | 1451 | 1450 |
| 20° | 1399 | 1418 | 1432 | 1439 | 1444 | 1449 | 1457 | 1459 | 1461 | 1461 |
| 22.5° | 1393 | 1414 | 1428 | 1444 | 1452 | 1457 | 1468 | 1474 | 1476 | 1475 |
| 25° | 1388 | 1412 | 1433 | 1452 | 1460 | 1466 | 1480 | 1491 | 1493 | 1493 |
| 27.5° | 1383 | 1411 | 1436 | 1461 | 1471 | 1478 | 1492 | 1503 | 1507 | 1508 |
| 30° | 1378 | 1409 | 1439 | 1464 | 1476 | 1483 | 1499 | 1509 | 1517 | 1517 |
| 32.5° | 1369 | 1407 | 1437 | 1464 | 1474 | 1486 | 1501 | 1512 | 1518 | 1517 |
| 35° | 1360 | 1395 | 1429 | 1456 | 1467 | 1479 | 1497 | 1510 | 1514 | 1518 |
| 37.5° | 1345 | 1382 | 1416 | 1443 | 1459 | 1469 | 1485 | 1495 | 1503 | 1501 |
| 40° | 1325 | 1362 | 1397 | 1423 | 1437 | 1449 | 1467 | 1476 | 1483 | 1482 |
| 42.5° | 1296 | 1338 | 1371 | 1399 | 1414 | 1426 | 1448 | 1456 | 1464 | 1465 |
| 45° | 1267 | 1308 | 1345 | 1375 | 1389 | 1403 | 1430 | 1445 | 1455 | 1458 |
| 47.5° | 1232 | 1278 | 1320 | 1361 | 1381 | 1399 | 1427 | 1448 | 1459 | 1461 |
| 50° | 1203 | 1260 | 1312 | 1360 | 1385 | 1405 | 1443 | 1468 | 1480 | 1485 |
| 52.5° | 1186 | 1255 | 1323 | 1385 | 1415 | 1440 | 1487 | 1515 | 1535 | 1537 |
| 55° | 1189 | 1276 | 1361 | 1438 | 1468 | 1499 | 1542 | 1568 | 1585 | 1585 |
| 57.5° | 1219 | 1323 | 1421 | 1492 | 1522 | 1546 | 1586 | 1603 | 1615 | 1618 |
| 60° | 1273 | 1383 | 1468 | 1530 | 1550 | 1569 | 1591 | 1610 | 1615 | 1617 |
| 62.5° | 1326 | 1420 | 1487 | 1530 | 1542 | 1558 | 1574 | 1585 | 1589 | 1589 |
| 65° | 1354 | 1424 | 1465 | 1497 | 1510 | 1515 | 1532 | 1536 | 1545 | 1543 |
| 67.5° | 1337 | 1382 | 1415 | 1442 | 1452 | 1462 | 1482 | 1492 | 1500 | 1502 |
| 70° | 1279 | 1315 | 1350 | 1384 | 1397 | 1414 | 1438 | 1457 | 1466 | 1471 |
| 72.5° | 1208 | 1251 | 1296 | 1337 | 1358 | 1374 | 1404 | 1429 | 1438 | 1443 |
| 75° | 1135 | 1186 | 1238 | 1288 | 1310 | 1331 | 1367 | 1391 | 1407 | 1412 |
| 77.5° | 1062 | 1124 | 1187 | 1244 | 1271 | 1293 | 1334 | 1360 | 1379 | 1381 |
| 80° | 994 | 1068 | 1138 | 1199 | 1226 | 1252 | 1293 | 1323 | 1333 | 1347 |
| 82.5° | 934 | 1011 | 1082 | 1146 | 1176 | 1199 | 1242 | 1273 | 1288 | 1296 |
| 85° | 869 | 949 | 1021 | 1084 | 1115 | 1143 | 1183 | 1212 | 1233 | 1236 |
| 87.5° | 803 | 883 | 957 | 1022 | 1053 | 1079 | 1121 | 1149 | 1168 | 1174 |
| 90° | 733 | 809 | 880 | 945 | 971 | 998 | 1038 | 1070 | 1090 | 1091 |
| 92.5° | 649 | 722 | 787 | 848 | 879 | 899 | 937 | 970 | 984 | 990 |
| 95° | 542 | 609 | 671 | 722 | 753 | 771 | 808 | 832 | 848 | 852 |
| 97.5° | 425 | 477 | 527 | 572 | 595 | 610 | 640 | 661 | 685 | 679 |
| 100° | 320 | 349 | 385 | 414 | 431 | 441 | 463 | 477 | 491 | 499 |
| 102.5° | 232 | 254 | 270 | 285 | 297 | 307 | 324 | 329 | 333 | 343 |
| 105° | 170 | 181 | 190 | 201 | 206 | 209 | 216 | 221 | 221 | 230 |
| 107.5° | 128 | 133 | 137 | 143 | 143 | 146 | 146 | 147 | 150 | 148 |
| 110° | 101 | 102 | 103 | 102 | 103 | 102 | 101 | 100 | 100 | 99 |



TEST NUMBER: P237887

CATALOG NUMBER: 4VT2-LD5-8-DR100-W-UNV-L835-CD1-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
| 112.5° | 84 | 83 | 82 | 79 | 78 | 76 | 75 | 73 | 71 | 71 |
| 115° | 72 | 71 | 69 | 66 | 64 | 62 | 61 | 58 | 56 | 55 |
| 117.5° | 64 | 63 | 61 | 58 | 57 | 55 | 53 | 50 | 48 | 47 |
| 120° | 58 | 58 | 56 | 53 | 52 | 51 | 48 | 46 | 44 | 43 |
| 122.5° | 52 | 52 | 51 | 49 | 48 | 47 | 45 | 43 | 41 | 41 |
| 125° | 45 | 46 | 46 | 45 | 44 | 43 | 42 | 40 | 39 | 38 |
| 127.5° | 39 | 40 | 41 | 41 | 40 | 40 | 38 | 37 | 36 | 36 |
| 130° | 32 | 35 | 36 | 36 | 36 | 36 | 35 | 34 | 33 | 33 |
| 132.5° | 26 | 28 | 30 | 31 | 31 | 31 | 30 | 30 | 29 | 29 |
| 135° | 20 | 22 | 24 | 25 | 26 | 26 | 26 | 26 | 25 | 25 |
| 137.5° | 15 | 17 | 19 | 20 | 20 | 21 | 21 | 21 | 20 | 20 |
| 140° | 9 | 12 | 13 | 14 | 15 | 15 | 16 | 16 | 15 | 15 |
| 142.5° | 5 | 7 | 8 | 9 | 10 | 10 | 11 | 10 | 10 | 10 |
| 145° | 1 | 2 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | 5 |
| 147.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| 150° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)