

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: PORTFOLIO

Report Number: P843272

Luminaire Tested: **LD4C08DE010B2750 EU4C08B50 4LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08DE010B2750 EU4C08B50 4LBLWWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

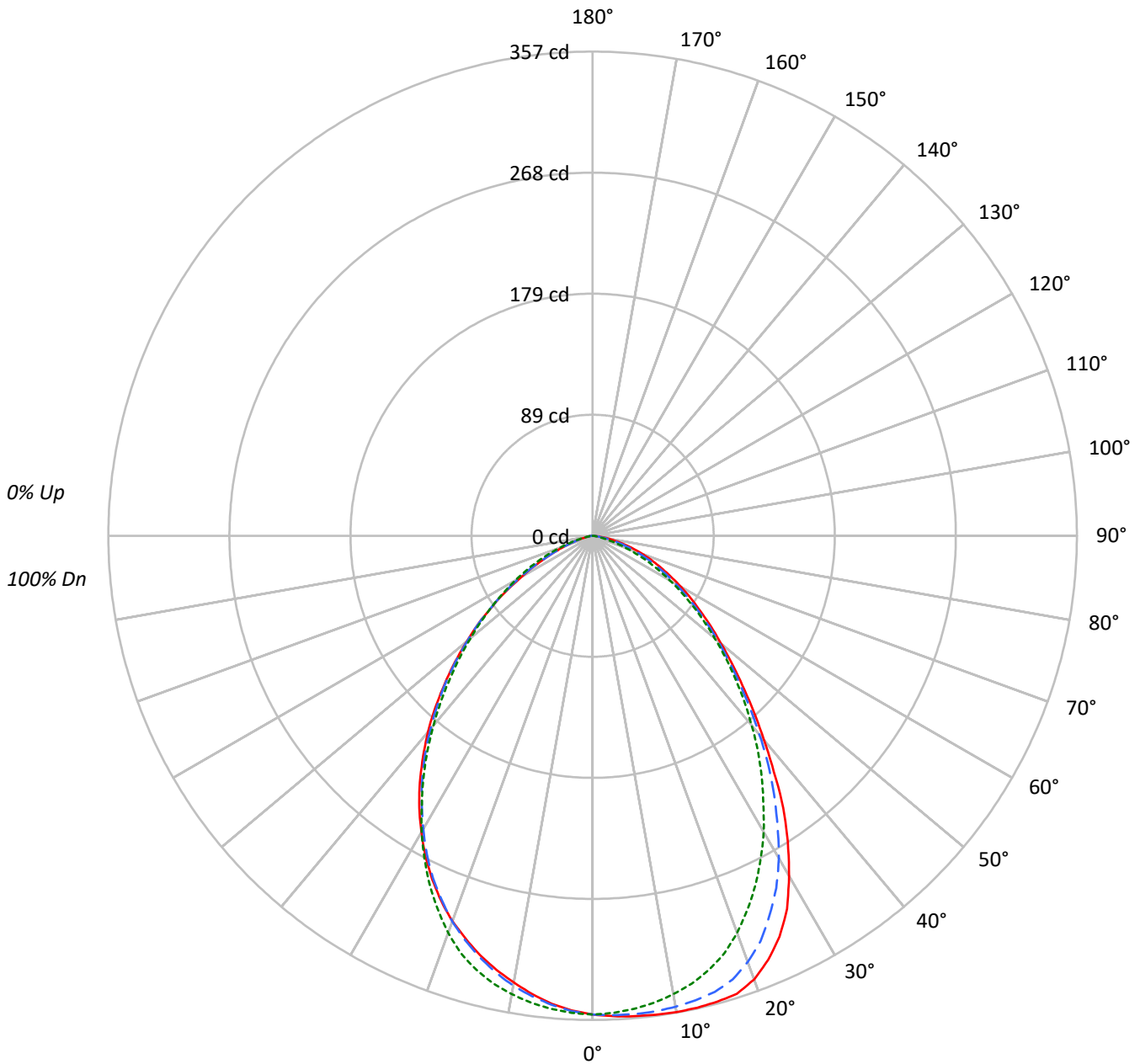
Lumens per Lamp: N/A
Luminaire Lumens: 665.2 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V):
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: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 90 | 88 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 77 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 62 | 70 | 65 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | | | | | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | | | | | | | | | | | | | | | | |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 39 | | | | | | | | | | | | | | | | | | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 43367 | 43367 | 43367 |
| 5° | 43854 | 43188 | 42719 |
| 10° | 44485 | 42814 | 41728 |
| 15° | 45228 | 42137 | 40738 |
| 20° | 45510 | 40712 | 39535 |
| 25° | 44204 | 38511 | 37901 |
| 30° | 41082 | 35777 | 35805 |
| 35° | 36774 | 32605 | 33310 |
| 40° | 31481 | 29236 | 30311 |
| 45° | 27104 | 25783 | 26756 |
| 50° | 23566 | 22438 | 23126 |
| 55° | 20733 | 19298 | 19148 |
| 60° | 18453 | 16118 | 14841 |
| 65° | 16163 | 12907 | 10727 |
| 70° | 13901 | 9124 | 7256 |
| 75° | 11297 | 5269 | 4272 |
| 80° | 8065 | 2335 | 2122 |
| 85° | 3101 | 846 | 846 |



TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.3 | 5.0 |
| 10°-20° | 94.2 | 14.2 |
| 20°-30° | 134.5 | 20.2 |
| 30°-40° | 140.7 | 21.1 |
| 40°-50° | 117.9 | 17.7 |
| 50°-60° | 82.5 | 12.4 |
| 60°-70° | 44.9 | 6.8 |
| 70°-80° | 15.6 | 2.3 |
| 80°-90° | 1.8 | 0.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 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° | 261.9 | 39.4 |
| 0°-40° | 402.6 | 60.5 |
| 0°-60° | 602.9 | 90.6 |
| 0°-90° | 665.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 665.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 353 | 353 | 353 | 353 | 353 | |
| 5° | 356 | 354 | 350 | 347 | 346 | 34 |
| 15° | 356 | 348 | 331 | 322 | 320 | 100 |
| 25° | 326 | 309 | 284 | 278 | 280 | 149 |
| 35° | 245 | 233 | 217 | 219 | 222 | 152 |
| 45° | 156 | 152 | 148 | 153 | 154 | 121 |
| 55° | 97 | 94 | 90 | 90 | 89 | 87 |
| 65° | 56 | 51 | 44 | 37 | 37 | 55 |
| 75° | 24 | 19 | 11 | 9 | 9 | 26 |
| 85° | 2 | 1 | 1 | 1 | 1 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 |
| 2.5° | 354.6 | 354.2 | 354.3 | 354.3 | 354.3 | 354.2 | 354.3 | 354.2 | 354.2 | 354.1 | 353.8 |
| 5° | 355.6 | 355.3 | 355.3 | 355.3 | 355.2 | 355.0 | 355.0 | 354.9 | 354.6 | 354.5 | 354.0 |
| 7.5° | 356.2 | 356.0 | 356.0 | 355.9 | 355.7 | 355.6 | 355.5 | 355.0 | 354.6 | 354.3 | 353.7 |
| 10° | 356.6 | 356.2 | 356.2 | 356.0 | 355.7 | 355.6 | 355.3 | 354.7 | 354.2 | 353.6 | 352.6 |
| 12.5° | 356.4 | 356.0 | 355.9 | 355.6 | 355.0 | 354.7 | 354.5 | 353.8 | 352.8 | 351.9 | 350.7 |
| 15° | 355.6 | 355.3 | 355.0 | 354.6 | 354.0 | 353.6 | 353.2 | 352.2 | 350.9 | 349.7 | 348.1 |
| 17.5° | 354.0 | 353.6 | 353.0 | 352.4 | 351.6 | 351.1 | 350.4 | 349.0 | 347.3 | 345.4 | 343.1 |
| 20° | 348.1 | 347.9 | 347.3 | 346.4 | 344.9 | 344.3 | 343.3 | 341.6 | 339.3 | 337.0 | 334.5 |
| 22.5° | 338.4 | 338.0 | 337.3 | 336.4 | 335.1 | 334.1 | 333.3 | 330.8 | 328.3 | 325.9 | 323.5 |
| 25° | 326.1 | 325.8 | 324.6 | 323.5 | 322.2 | 320.6 | 319.7 | 317.8 | 315.3 | 312.1 | 308.7 |
| 27.5° | 310.2 | 308.8 | 308.5 | 307.2 | 305.2 | 304.7 | 303.4 | 301.0 | 298.6 | 295.8 | 293.0 |
| 30° | 289.6 | 289.6 | 288.7 | 288.2 | 286.3 | 285.8 | 284.4 | 281.9 | 280.5 | 276.7 | 274.6 |
| 32.5° | 267.7 | 267.5 | 266.7 | 266.4 | 265.3 | 264.3 | 263.0 | 261.7 | 258.6 | 256.7 | 253.7 |
| 35° | 245.2 | 243.6 | 243.9 | 243.0 | 242.3 | 241.2 | 241.1 | 239.7 | 236.9 | 235.9 | 233.1 |
| 37.5° | 219.6 | 218.8 | 219.8 | 218.6 | 217.9 | 218.1 | 216.9 | 216.0 | 214.9 | 213.0 | 212.5 |
| 40° | 196.3 | 196.8 | 196.7 | 195.7 | 196.2 | 195.6 | 194.4 | 193.4 | 192.9 | 191.7 | 191.3 |
| 42.5° | 175.6 | 174.7 | 174.5 | 174.5 | 174.6 | 174.6 | 174.1 | 173.3 | 173.3 | 172.2 | 170.9 |
| 45° | 156.0 | 156.0 | 155.7 | 156.5 | 155.4 | 155.4 | 154.9 | 154.7 | 154.2 | 154.0 | 152.5 |
| 47.5° | 139.2 | 139.1 | 138.9 | 138.8 | 138.7 | 138.7 | 137.8 | 137.2 | 137.0 | 136.2 | 135.4 |
| 50° | 123.3 | 124.1 | 123.8 | 123.1 | 122.9 | 123.0 | 122.5 | 122.1 | 121.9 | 120.6 | 120.7 |
| 52.5° | 110.0 | 109.9 | 110.1 | 109.7 | 109.0 | 109.1 | 108.6 | 108.1 | 107.6 | 106.8 | 106.3 |
| 55° | 96.8 | 97.5 | 97.2 | 96.8 | 96.7 | 96.4 | 96.0 | 95.3 | 95.2 | 93.7 | 93.5 |
| 57.5° | 85.8 | 85.7 | 85.4 | 84.7 | 84.6 | 84.2 | 84.2 | 83.7 | 82.8 | 82.0 | 81.3 |
| 60° | 75.1 | 75.1 | 74.7 | 74.6 | 74.0 | 73.8 | 73.7 | 73.2 | 72.2 | 71.6 | 70.4 |
| 62.5° | 64.7 | 65.0 | 64.7 | 64.3 | 64.0 | 63.4 | 63.1 | 62.7 | 61.9 | 61.2 | 60.3 |
| 65° | 55.6 | 55.5 | 55.4 | 54.9 | 54.7 | 54.2 | 54.0 | 53.2 | 52.5 | 51.8 | 50.8 |
| 67.5° | 47.0 | 46.5 | 46.5 | 46.3 | 46.0 | 45.6 | 45.4 | 44.5 | 43.6 | 43.0 | 42.0 |
| 70° | 38.7 | 38.4 | 38.4 | 38.4 | 37.8 | 37.3 | 37.2 | 36.8 | 35.4 | 34.9 | 33.8 |
| 72.5° | 31.1 | 31.0 | 30.8 | 30.5 | 30.0 | 30.0 | 29.5 | 28.7 | 27.9 | 27.3 | 26.4 |
| 75° | 23.8 | 24.0 | 23.8 | 23.3 | 23.1 | 22.8 | 22.4 | 21.7 | 21.0 | 20.2 | 19.2 |
| 77.5° | 17.3 | 17.1 | 16.8 | 16.8 | 16.6 | 16.0 | 15.9 | 15.3 | 14.5 | 14.0 | 13.0 |
| 80° | 11.4 | 11.3 | 11.0 | 10.7 | 10.6 | 10.5 | 10.4 | 9.7 | 9.0 | 8.6 | 7.7 |
| 82.5° | 6.2 | 6.1 | 6.1 | 5.9 | 5.6 | 5.6 | 5.4 | 4.9 | 4.4 | 4.2 | 3.8 |
| 85° | 2.2 | 2.2 | 2.2 | 2.0 | 2.0 | 2.0 | 1.9 | 1.8 | 1.6 | 1.5 | 1.3 |
| 87.5° | 0.3 | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 |
| 2.5° | 353.6 | 353.2 | 353.1 | 353.0 | 352.8 | 352.7 | 352.6 | 352.3 | 352.2 | 352.1 | 351.8 |
| 5° | 353.6 | 353.0 | 352.7 | 352.3 | 352.1 | 351.8 | 351.3 | 350.9 | 350.6 | 350.2 | 349.8 |
| 7.5° | 353.0 | 352.2 | 351.7 | 350.8 | 350.6 | 350.2 | 349.3 | 348.8 | 348.1 | 347.3 | 346.4 |
| 10° | 351.7 | 350.7 | 349.7 | 348.5 | 348.1 | 347.4 | 346.4 | 345.4 | 344.3 | 343.2 | 342.3 |
| 12.5° | 349.4 | 348.0 | 346.6 | 345.1 | 344.3 | 343.6 | 342.1 | 340.8 | 339.4 | 338.2 | 336.5 |
| 15° | 346.2 | 344.5 | 342.7 | 340.7 | 339.7 | 338.9 | 336.8 | 335.1 | 332.9 | 331.3 | 329.7 |
| 17.5° | 340.9 | 338.2 | 336.0 | 333.5 | 332.1 | 331.1 | 329.2 | 326.7 | 324.6 | 322.9 | 321.0 |
| 20° | 331.8 | 329.2 | 326.3 | 323.4 | 321.9 | 320.7 | 317.9 | 315.3 | 313.3 | 311.4 | 309.3 |
| 22.5° | 319.8 | 316.7 | 314.4 | 310.9 | 309.7 | 308.2 | 304.9 | 302.5 | 300.2 | 298.3 | 296.3 |
| 25° | 305.3 | 302.5 | 299.5 | 296.2 | 294.8 | 293.0 | 290.3 | 287.7 | 286.2 | 284.1 | 281.8 |
| 27.5° | 288.6 | 286.3 | 282.7 | 279.8 | 278.4 | 277.0 | 274.4 | 272.1 | 269.9 | 268.4 | 266.2 |
| 30° | 271.0 | 268.3 | 265.0 | 262.1 | 261.2 | 259.5 | 257.3 | 255.5 | 253.2 | 252.2 | 251.3 |
| 32.5° | 251.6 | 248.4 | 246.0 | 244.1 | 242.5 | 241.1 | 239.9 | 237.0 | 236.6 | 234.2 | 233.9 |
| 35° | 230.4 | 229.1 | 226.8 | 225.1 | 223.8 | 222.8 | 220.7 | 219.4 | 217.9 | 217.4 | 216.6 |
| 37.5° | 210.5 | 208.8 | 206.7 | 205.2 | 204.2 | 204.0 | 202.5 | 201.8 | 200.6 | 200.1 | 199.0 |
| 40° | 189.5 | 188.9 | 187.0 | 186.7 | 185.2 | 185.1 | 184.2 | 183.3 | 182.3 | 182.3 | 182.4 |
| 42.5° | 170.3 | 169.4 | 168.6 | 167.6 | 166.9 | 166.9 | 166.5 | 166.2 | 165.9 | 165.5 | 166.2 |
| 45° | 152.2 | 151.1 | 150.6 | 149.7 | 150.0 | 149.2 | 148.9 | 148.9 | 148.5 | 148.4 | 149.3 |
| 47.5° | 135.4 | 134.1 | 133.6 | 133.4 | 133.4 | 133.5 | 132.2 | 132.6 | 132.5 | 132.7 | 133.2 |
| 50° | 120.0 | 119.0 | 118.1 | 118.1 | 118.2 | 117.7 | 117.2 | 117.6 | 117.2 | 117.4 | 118.3 |
| 52.5° | 105.8 | 104.7 | 104.3 | 104.3 | 103.4 | 103.3 | 103.5 | 103.0 | 103.2 | 103.3 | 103.9 |
| 55° | 92.5 | 91.9 | 91.3 | 90.5 | 90.7 | 90.4 | 89.9 | 89.8 | 90.0 | 90.1 | 90.9 |
| 57.5° | 80.8 | 79.9 | 78.9 | 78.6 | 78.4 | 78.4 | 77.6 | 77.5 | 77.8 | 77.1 | 77.1 |
| 60° | 69.5 | 69.0 | 67.8 | 67.4 | 67.4 | 66.6 | 66.1 | 66.4 | 65.7 | 65.6 | 65.7 |
| 62.5° | 59.0 | 58.7 | 57.9 | 57.0 | 56.8 | 56.5 | 55.8 | 55.5 | 55.2 | 54.7 | 53.9 |
| 65° | 49.9 | 49.0 | 48.0 | 47.5 | 47.1 | 46.4 | 46.0 | 45.5 | 44.6 | 44.4 | 43.6 |
| 67.5° | 40.8 | 39.9 | 38.9 | 38.6 | 38.2 | 37.8 | 37.0 | 36.4 | 35.4 | 34.4 | 33.4 |
| 70° | 32.9 | 31.6 | 31.1 | 30.0 | 29.7 | 29.2 | 28.2 | 27.6 | 26.7 | 25.4 | 24.4 |
| 72.5° | 25.1 | 24.3 | 23.5 | 22.5 | 21.9 | 21.5 | 20.6 | 19.6 | 18.5 | 17.8 | 16.8 |
| 75° | 18.1 | 17.7 | 16.6 | 15.4 | 15.2 | 14.7 | 13.7 | 13.0 | 12.3 | 11.1 | 10.4 |
| 77.5° | 12.3 | 11.4 | 10.7 | 9.7 | 9.5 | 9.0 | 8.5 | 7.7 | 7.2 | 6.6 | 5.9 |
| 80° | 7.2 | 6.6 | 6.1 | 5.4 | 5.2 | 4.9 | 4.4 | 3.9 | 3.5 | 3.3 | 3.2 |
| 82.5° | 3.5 | 3.0 | 2.9 | 2.4 | 2.3 | 2.2 | 1.9 | 1.8 | 1.5 | 1.5 | 1.5 |
| 85° | 1.3 | 1.0 | 1.0 | 0.8 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 |
| 2.5° | 351.7 | 351.6 | 351.3 | 351.2 | 351.2 | 351.1 | 351.1 | 350.9 | 350.9 | 350.8 | 350.8 |
| 5° | 349.2 | 348.8 | 348.5 | 348.3 | 348.3 | 347.9 | 347.5 | 347.3 | 347.1 | 347.1 | 346.9 |
| 7.5° | 345.8 | 345.2 | 344.7 | 344.3 | 344.2 | 343.5 | 343.0 | 343.0 | 342.4 | 342.1 | 341.8 |
| 10° | 341.3 | 340.3 | 339.6 | 339.2 | 338.7 | 338.2 | 337.5 | 337.1 | 336.8 | 336.0 | 335.9 |
| 12.5° | 335.2 | 334.5 | 333.3 | 332.7 | 332.5 | 331.7 | 330.6 | 330.1 | 329.9 | 329.3 | 328.9 |
| 15° | 328.3 | 326.8 | 325.8 | 325.0 | 325.0 | 323.6 | 323.1 | 322.4 | 321.7 | 321.4 | 321.2 |
| 17.5° | 319.3 | 317.8 | 316.8 | 315.8 | 315.5 | 314.4 | 313.6 | 313.4 | 312.6 | 313.0 | 312.3 |
| 20° | 307.8 | 306.6 | 305.8 | 304.5 | 304.5 | 303.9 | 303.5 | 302.9 | 302.6 | 302.4 | 302.6 |
| 22.5° | 295.4 | 293.9 | 292.5 | 292.4 | 292.4 | 291.5 | 291.4 | 291.3 | 290.6 | 291.1 | 291.0 |
| 25° | 280.9 | 279.8 | 279.0 | 278.9 | 278.9 | 278.4 | 277.7 | 278.1 | 278.5 | 278.4 | 278.7 |
| 27.5° | 265.8 | 264.7 | 264.5 | 264.3 | 264.1 | 264.0 | 264.2 | 264.2 | 264.6 | 265.1 | 265.7 |
| 30° | 249.5 | 249.3 | 248.9 | 248.8 | 248.4 | 249.2 | 249.4 | 249.8 | 249.7 | 250.4 | 251.1 |
| 32.5° | 233.2 | 232.7 | 232.6 | 232.9 | 233.2 | 233.1 | 233.9 | 234.2 | 234.5 | 235.4 | 235.9 |
| 35° | 216.8 | 216.7 | 216.4 | 216.4 | 216.6 | 217.7 | 217.7 | 218.6 | 219.1 | 219.4 | 220.5 |
| 37.5° | 199.2 | 199.7 | 200.0 | 200.4 | 200.5 | 201.0 | 201.2 | 202.1 | 202.7 | 203.3 | 203.8 |
| 40° | 183.0 | 182.8 | 183.9 | 183.2 | 183.4 | 184.7 | 185.2 | 185.1 | 185.8 | 186.7 | 187.2 |
| 42.5° | 165.7 | 166.2 | 166.5 | 166.7 | 167.4 | 167.5 | 168.3 | 169.1 | 169.4 | 170.4 | 170.7 |
| 45° | 149.1 | 149.2 | 149.8 | 150.3 | 150.7 | 151.8 | 152.1 | 152.5 | 153.3 | 153.3 | 153.7 |
| 47.5° | 133.4 | 133.9 | 133.9 | 134.6 | 135.4 | 135.3 | 136.2 | 136.4 | 136.3 | 137.0 | 137.3 |
| 50° | 118.2 | 119.1 | 119.0 | 119.5 | 119.7 | 119.9 | 120.7 | 121.0 | 120.5 | 121.1 | 121.2 |
| 52.5° | 103.9 | 104.3 | 104.8 | 104.9 | 104.7 | 105.3 | 105.1 | 105.7 | 105.4 | 106.1 | 105.4 |
| 55° | 90.7 | 90.5 | 90.5 | 90.9 | 90.5 | 90.9 | 91.1 | 90.5 | 90.1 | 90.7 | 90.5 |
| 57.5° | 77.5 | 77.5 | 77.2 | 77.6 | 77.2 | 76.9 | 76.7 | 76.3 | 75.9 | 75.9 | 75.7 |
| 60° | 65.2 | 64.9 | 64.3 | 64.2 | 64.2 | 63.6 | 63.2 | 62.7 | 62.7 | 62.2 | 61.7 |
| 62.5° | 53.6 | 53.0 | 52.6 | 52.6 | 52.2 | 51.6 | 50.3 | 49.6 | 49.3 | 48.4 | 48.3 |
| 65° | 42.7 | 42.1 | 41.7 | 40.8 | 40.2 | 39.9 | 38.7 | 37.8 | 37.3 | 36.5 | 36.7 |
| 67.5° | 32.9 | 31.7 | 30.6 | 30.0 | 29.6 | 28.7 | 28.2 | 27.6 | 27.2 | 27.2 | 27.2 |
| 70° | 23.6 | 22.6 | 21.5 | 21.0 | 20.7 | 20.0 | 19.6 | 19.5 | 19.8 | 19.7 | 19.8 |
| 72.5° | 15.9 | 14.9 | 14.4 | 14.2 | 13.9 | 13.4 | 13.7 | 13.9 | 13.5 | 13.7 | 13.9 |
| 75° | 9.6 | 9.4 | 9.0 | 8.8 | 8.8 | 9.0 | 8.8 | 8.8 | 9.0 | 9.0 | 9.1 |
| 77.5° | 5.6 | 5.3 | 5.3 | 5.2 | 5.4 | 5.3 | 5.3 | 5.3 | 5.4 | 5.4 | 5.4 |
| 80° | 3.0 | 3.0 | 3.0 | 3.0 | 3.2 | 3.0 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 82.5° | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P843272

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 | 353.0 |
| 2.5° | 350.6 | 350.6 | 350.6 | 350.3 | 350.4 | 350.4 | 350.3 | 350.3 |
| 5° | 346.8 | 346.6 | 346.4 | 346.4 | 346.1 | 346.4 | 346.2 | 346.4 |
| 7.5° | 341.6 | 341.6 | 341.2 | 341.2 | 341.1 | 340.9 | 340.8 | 340.9 |
| 10° | 335.5 | 335.5 | 335.2 | 335.1 | 335.2 | 334.6 | 334.6 | 334.5 |
| 12.5° | 328.7 | 328.4 | 328.2 | 328.3 | 328.2 | 327.8 | 327.7 | 327.8 |
| 15° | 320.8 | 320.5 | 320.6 | 320.1 | 320.1 | 320.0 | 320.3 | 320.3 |
| 17.5° | 312.1 | 311.9 | 311.6 | 311.7 | 311.5 | 311.6 | 311.5 | 311.4 |
| 20° | 302.5 | 302.4 | 302.4 | 301.8 | 302.0 | 301.8 | 302.0 | 302.4 |
| 22.5° | 291.4 | 291.3 | 291.4 | 291.0 | 291.3 | 291.3 | 291.6 | 291.6 |
| 25° | 279.1 | 279.0 | 279.3 | 279.4 | 279.5 | 280.0 | 279.5 | 279.6 |
| 27.5° | 265.6 | 266.0 | 266.4 | 266.5 | 267.1 | 266.6 | 266.4 | 266.7 |
| 30° | 251.8 | 251.8 | 251.7 | 252.2 | 252.7 | 253.1 | 252.4 | 252.4 |
| 32.5° | 236.1 | 236.8 | 236.8 | 236.9 | 237.3 | 237.3 | 237.3 | 237.9 |
| 35° | 221.0 | 221.5 | 221.6 | 221.0 | 221.3 | 221.2 | 222.1 | 222.1 |
| 37.5° | 204.2 | 204.2 | 204.3 | 205.3 | 205.3 | 204.9 | 205.2 | 205.2 |
| 40° | 188.2 | 188.3 | 187.7 | 188.0 | 188.7 | 188.5 | 188.7 | 189.0 |
| 42.5° | 170.7 | 171.7 | 171.0 | 171.3 | 171.2 | 171.3 | 171.4 | 171.4 |
| 45° | 154.0 | 154.2 | 154.2 | 154.4 | 154.6 | 154.9 | 154.1 | 154.0 |
| 47.5° | 137.7 | 137.8 | 138.2 | 137.5 | 138.3 | 137.5 | 138.3 | 137.4 |
| 50° | 121.2 | 121.7 | 121.4 | 121.6 | 121.2 | 121.2 | 121.1 | 121.0 |
| 52.5° | 105.7 | 105.4 | 105.4 | 105.3 | 105.3 | 105.7 | 105.3 | 105.8 |
| 55° | 90.0 | 90.1 | 89.9 | 89.8 | 89.6 | 90.0 | 89.6 | 89.4 |
| 57.5° | 75.2 | 75.5 | 75.0 | 75.2 | 74.2 | 74.7 | 74.8 | 75.0 |
| 60° | 61.6 | 61.1 | 61.1 | 60.6 | 60.6 | 60.9 | 60.4 | 60.4 |
| 62.5° | 47.7 | 47.9 | 47.5 | 48.0 | 48.0 | 48.7 | 48.3 | 48.7 |
| 65° | 36.5 | 36.7 | 36.8 | 36.8 | 36.8 | 37.7 | 37.3 | 36.9 |
| 67.5° | 27.6 | 27.7 | 27.8 | 27.7 | 28.1 | 27.8 | 27.8 | 27.9 |
| 70° | 20.0 | 20.1 | 20.2 | 20.2 | 20.1 | 20.2 | 20.2 | 20.2 |
| 72.5° | 13.9 | 14.0 | 13.9 | 14.0 | 14.2 | 14.0 | 14.0 | 14.2 |
| 75° | 9.1 | 9.1 | 9.0 | 9.0 | 9.0 | 9.0 | 9.1 | 9.0 |
| 77.5° | 5.3 | 5.4 | 5.3 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 80° | 3.2 | 3.2 | 3.2 | 3.0 | 3.2 | 3.2 | 3.2 | 3.0 |
| 82.5° | 1.6 | 1.6 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)