

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: P843217

Luminaire Tested: **LD4C08DE010B2750 EU4C08B27 4LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08DE010B2750 EU4C08B27 4LBLWWLI
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

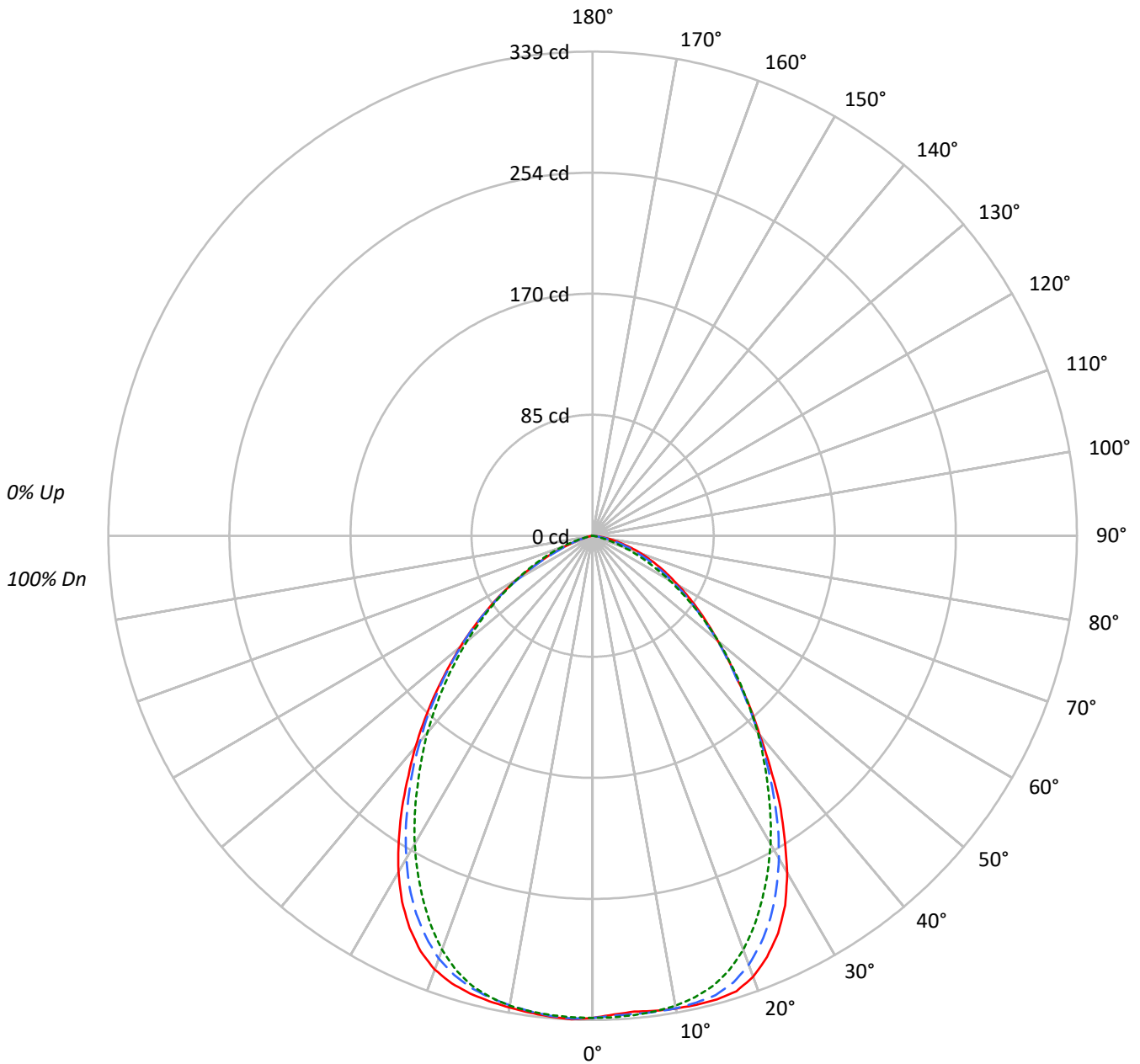
Lumens per Lamp: N/A
Luminaire Lumens: 647.2 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

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 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 69 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 61 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | | | | | | | | | | | | |
| 6 | 76 | 65 | 57 | 51 | 75 | 64 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 7 | 71 | 59 | 52 | 46 | 70 | 59 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 45 | 54 | 49 | 45 | 43 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 41 | 52 | 46 | 41 | 50 | 45 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 9 | 63 | 51 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 41 | 37 | 36 | | | | | | | | | | | | | | | | | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 35 | 44 | 38 | 34 | 33 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 41475 | 41475 | 41475 |
| 5° | 41239 | 41535 | 41683 |
| 10° | 41928 | 41679 | 41841 |
| 15° | 42748 | 41488 | 42188 |
| 20° | 42960 | 40320 | 42255 |
| 25° | 41629 | 38077 | 41073 |
| 30° | 38642 | 35337 | 38571 |
| 35° | 34225 | 32050 | 34870 |
| 40° | 29172 | 28867 | 30920 |
| 45° | 25071 | 25366 | 26930 |
| 50° | 21865 | 21941 | 23088 |
| 55° | 19320 | 18527 | 19148 |
| 60° | 16954 | 15086 | 15037 |
| 65° | 15000 | 11715 | 10436 |
| 70° | 12788 | 8046 | 6178 |
| 75° | 10348 | 4319 | 2801 |
| 80° | 7075 | 1061 | 778 |
| 85° | 2114 | 282 | 282 |



TEST NUMBER: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.1 | 5.0 |
| 10°-20° | 92.9 | 14.4 |
| 20°-30° | 134.2 | 20.7 |
| 30°-40° | 138.7 | 21.4 |
| 40°-50° | 114.6 | 17.7 |
| 50°-60° | 79.1 | 12.2 |
| 60°-70° | 41.4 | 6.4 |
| 70°-80° | 13.0 | 2.0 |
| 80°-90° | 1.1 | 0.2 |
| 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° | 259.2 | 40.0 |
| 0°-40° | 397.9 | 61.5 |
| 0°-60° | 591.7 | 91.4 |
| 0°-90° | 647.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 647.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 338 | 338 | 338 | 338 | 338 | |
| 5° | 334 | 336 | 337 | 337 | 338 | 32 |
| 15° | 336 | 333 | 326 | 328 | 332 | 95 |
| 25° | 307 | 295 | 281 | 292 | 303 | 140 |
| 35° | 228 | 221 | 214 | 225 | 232 | 142 |
| 45° | 144 | 144 | 146 | 153 | 155 | 112 |
| 55° | 90 | 88 | 86 | 89 | 89 | 81 |
| 65° | 52 | 47 | 40 | 33 | 36 | 51 |
| 75° | 22 | 17 | 9 | 6 | 6 | 23 |
| 85° | 2 | 1 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 |
| 2.5° | 335.5 | 335.6 | 335.6 | 335.8 | 335.8 | 335.8 | 336.0 | 336.0 | 336.1 | 336.2 | 336.3 |
| 5° | 334.4 | 334.4 | 334.7 | 334.8 | 335.1 | 335.2 | 335.5 | 335.6 | 335.8 | 336.0 | 336.1 |
| 7.5° | 335.5 | 335.5 | 335.6 | 335.7 | 335.7 | 335.8 | 335.8 | 336.0 | 336.1 | 336.2 | 336.2 |
| 10° | 336.1 | 336.1 | 336.1 | 336.1 | 336.2 | 336.2 | 336.2 | 336.1 | 336.1 | 336.1 | 336.0 |
| 12.5° | 336.3 | 336.3 | 336.2 | 336.1 | 336.2 | 336.1 | 336.1 | 335.7 | 335.5 | 335.2 | 334.8 |
| 15° | 336.1 | 336.1 | 336.0 | 335.8 | 335.7 | 335.5 | 335.4 | 334.7 | 334.2 | 333.5 | 332.9 |
| 17.5° | 334.4 | 334.2 | 333.9 | 333.7 | 333.2 | 332.8 | 332.5 | 331.4 | 330.5 | 329.2 | 327.9 |
| 20° | 328.6 | 328.4 | 328.0 | 327.3 | 326.7 | 326.2 | 325.4 | 323.8 | 322.9 | 321.0 | 319.6 |
| 22.5° | 319.1 | 318.9 | 319.0 | 317.8 | 316.5 | 315.8 | 315.3 | 313.9 | 312.4 | 310.0 | 308.4 |
| 25° | 307.1 | 306.4 | 306.4 | 304.7 | 304.1 | 303.5 | 302.9 | 301.2 | 299.0 | 296.8 | 294.8 |
| 27.5° | 291.7 | 290.7 | 290.2 | 289.9 | 288.4 | 287.3 | 286.4 | 285.1 | 283.2 | 281.3 | 278.6 |
| 30° | 272.4 | 272.3 | 271.7 | 270.5 | 269.4 | 268.9 | 267.9 | 265.8 | 264.0 | 262.6 | 260.8 |
| 32.5° | 249.7 | 249.6 | 249.6 | 249.6 | 248.9 | 248.8 | 247.2 | 246.1 | 244.7 | 242.5 | 241.4 |
| 35° | 228.2 | 228.0 | 228.2 | 226.3 | 225.8 | 225.4 | 225.3 | 224.5 | 222.6 | 221.6 | 220.6 |
| 37.5° | 203.9 | 204.2 | 204.0 | 203.5 | 204.1 | 203.0 | 203.9 | 202.2 | 201.5 | 201.2 | 200.1 |
| 40° | 181.9 | 183.0 | 181.9 | 182.0 | 182.7 | 181.6 | 181.6 | 181.3 | 180.7 | 180.5 | 180.3 |
| 42.5° | 163.2 | 161.9 | 162.7 | 162.0 | 162.7 | 162.2 | 161.6 | 162.0 | 162.1 | 161.6 | 161.5 |
| 45° | 144.3 | 144.6 | 144.8 | 144.4 | 144.4 | 144.0 | 145.0 | 144.4 | 144.4 | 144.6 | 143.6 |
| 47.5° | 128.9 | 128.5 | 128.8 | 128.5 | 128.7 | 128.4 | 128.7 | 128.8 | 128.5 | 128.5 | 127.8 |
| 50° | 114.4 | 114.2 | 115.1 | 114.3 | 114.3 | 114.2 | 114.3 | 114.1 | 113.7 | 113.7 | 114.0 |
| 52.5° | 102.0 | 101.4 | 101.3 | 102.0 | 101.0 | 101.0 | 101.2 | 100.9 | 100.4 | 100.2 | 99.5 |
| 55° | 90.2 | 90.1 | 90.2 | 89.8 | 89.5 | 89.5 | 88.8 | 88.6 | 88.5 | 87.9 | 87.5 |
| 57.5° | 79.3 | 79.0 | 79.1 | 79.0 | 78.5 | 78.4 | 77.8 | 77.8 | 77.3 | 76.8 | 76.1 |
| 60° | 69.0 | 69.0 | 69.4 | 68.9 | 68.4 | 68.2 | 68.0 | 67.7 | 66.8 | 65.9 | 65.2 |
| 62.5° | 59.8 | 59.9 | 59.8 | 59.3 | 59.1 | 58.8 | 58.6 | 57.9 | 57.0 | 56.6 | 55.6 |
| 65° | 51.6 | 51.5 | 51.1 | 50.9 | 50.2 | 50.2 | 49.7 | 49.3 | 48.4 | 47.7 | 46.7 |
| 67.5° | 43.3 | 42.9 | 42.9 | 42.9 | 42.2 | 42.1 | 41.9 | 41.0 | 40.3 | 39.3 | 38.5 |
| 70° | 35.6 | 35.9 | 35.5 | 35.1 | 34.7 | 34.6 | 34.3 | 33.4 | 32.6 | 31.5 | 30.9 |
| 72.5° | 28.5 | 28.7 | 28.2 | 28.1 | 27.4 | 27.2 | 27.0 | 26.3 | 25.4 | 24.7 | 23.7 |
| 75° | 21.8 | 21.9 | 21.7 | 21.5 | 20.9 | 20.8 | 20.2 | 19.7 | 19.0 | 18.0 | 17.1 |
| 77.5° | 15.8 | 15.4 | 15.4 | 14.9 | 14.5 | 14.5 | 14.3 | 13.5 | 12.7 | 12.0 | 11.1 |
| 80° | 10.0 | 9.8 | 9.5 | 9.3 | 8.9 | 8.8 | 8.7 | 8.0 | 7.4 | 6.9 | 6.3 |
| 82.5° | 5.1 | 5.0 | 4.9 | 4.7 | 4.4 | 4.2 | 4.3 | 3.8 | 3.6 | 3.1 | 2.6 |
| 85° | 1.5 | 1.7 | 1.7 | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 | 1.1 | 0.8 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 |
| 2.5° | 336.4 | 336.6 | 336.8 | 336.9 | 336.9 | 337.0 | 337.1 | 337.3 | 337.4 | 337.4 | 337.5 |
| 5° | 336.2 | 336.4 | 336.4 | 336.6 | 336.6 | 336.6 | 336.8 | 336.8 | 336.8 | 336.8 | 336.9 |
| 7.5° | 336.3 | 336.3 | 336.3 | 336.2 | 336.2 | 336.1 | 336.1 | 336.1 | 335.8 | 335.8 | 335.8 |
| 10° | 335.7 | 335.6 | 335.5 | 335.2 | 335.1 | 335.0 | 334.7 | 334.4 | 334.2 | 334.1 | 333.8 |
| 12.5° | 334.4 | 333.9 | 333.5 | 332.9 | 332.6 | 332.5 | 332.0 | 331.7 | 331.3 | 330.9 | 330.6 |
| 15° | 331.9 | 331.1 | 330.3 | 329.2 | 329.0 | 328.7 | 327.9 | 327.1 | 326.6 | 326.2 | 325.5 |
| 17.5° | 326.8 | 325.3 | 324.3 | 322.8 | 322.2 | 321.9 | 320.5 | 319.7 | 318.9 | 318.6 | 318.1 |
| 20° | 317.8 | 316.4 | 314.5 | 313.2 | 312.4 | 311.6 | 310.5 | 309.5 | 308.4 | 308.4 | 307.8 |
| 22.5° | 306.5 | 304.8 | 302.4 | 300.6 | 300.5 | 299.0 | 297.9 | 296.8 | 296.5 | 295.6 | 295.6 |
| 25° | 292.3 | 290.8 | 288.2 | 286.6 | 285.9 | 285.6 | 283.9 | 282.4 | 281.5 | 280.9 | 281.4 |
| 27.5° | 276.7 | 274.4 | 272.3 | 270.4 | 269.8 | 269.1 | 267.5 | 266.8 | 265.5 | 265.4 | 265.3 |
| 30° | 258.6 | 256.4 | 254.4 | 253.4 | 252.1 | 251.5 | 250.3 | 249.6 | 249.1 | 249.1 | 248.9 |
| 32.5° | 239.8 | 237.8 | 236.7 | 234.8 | 234.2 | 233.3 | 232.5 | 231.7 | 232.0 | 231.7 | 231.8 |
| 35° | 219.4 | 218.8 | 216.9 | 215.8 | 215.8 | 215.7 | 214.4 | 213.9 | 213.6 | 213.7 | 214.4 |
| 37.5° | 199.9 | 198.4 | 197.1 | 196.4 | 197.0 | 196.3 | 196.1 | 196.1 | 196.9 | 196.4 | 197.4 |
| 40° | 179.3 | 179.2 | 178.6 | 178.8 | 179.1 | 178.1 | 178.4 | 178.5 | 179.1 | 180.0 | 180.1 |
| 42.5° | 161.3 | 161.2 | 161.2 | 161.2 | 160.9 | 160.3 | 160.9 | 161.8 | 161.6 | 162.5 | 163.1 |
| 45° | 143.9 | 143.6 | 144.2 | 143.7 | 144.6 | 144.8 | 144.4 | 144.7 | 145.4 | 146.0 | 146.9 |
| 47.5° | 128.1 | 128.1 | 128.2 | 128.4 | 127.7 | 128.3 | 128.5 | 129.0 | 129.5 | 129.7 | 130.2 |
| 50° | 113.4 | 113.4 | 113.1 | 113.1 | 113.1 | 113.5 | 113.0 | 113.6 | 113.7 | 114.8 | 115.4 |
| 52.5° | 99.7 | 99.1 | 99.5 | 99.3 | 98.8 | 98.5 | 98.8 | 98.9 | 99.6 | 99.9 | 100.7 |
| 55° | 86.8 | 86.8 | 85.9 | 85.6 | 86.0 | 85.9 | 85.7 | 85.7 | 86.1 | 86.5 | 87.1 |
| 57.5° | 75.4 | 74.7 | 73.9 | 73.8 | 73.4 | 73.5 | 73.5 | 73.4 | 73.2 | 73.3 | 73.4 |
| 60° | 64.6 | 64.2 | 63.0 | 63.0 | 62.9 | 62.7 | 62.1 | 62.0 | 61.3 | 61.4 | 61.0 |
| 62.5° | 54.8 | 54.5 | 53.0 | 52.5 | 52.5 | 52.1 | 51.5 | 51.3 | 50.4 | 50.4 | 49.9 |
| 65° | 45.9 | 45.2 | 44.2 | 43.4 | 43.4 | 42.8 | 42.5 | 41.4 | 40.7 | 40.3 | 39.6 |
| 67.5° | 37.8 | 36.6 | 35.7 | 35.0 | 34.5 | 34.4 | 33.4 | 32.7 | 31.7 | 31.1 | 29.9 |
| 70° | 29.9 | 29.1 | 28.1 | 27.4 | 26.9 | 26.3 | 25.5 | 24.3 | 23.6 | 22.4 | 21.7 |
| 72.5° | 22.5 | 21.8 | 21.0 | 20.0 | 19.4 | 19.0 | 18.1 | 17.1 | 15.9 | 15.1 | 14.1 |
| 75° | 16.2 | 15.3 | 14.3 | 13.4 | 13.0 | 12.7 | 11.6 | 10.9 | 10.0 | 9.1 | 8.1 |
| 77.5° | 10.5 | 9.5 | 8.8 | 7.7 | 7.6 | 7.4 | 6.3 | 5.6 | 5.0 | 4.4 | 3.8 |
| 80° | 5.6 | 5.1 | 4.4 | 3.8 | 3.6 | 3.2 | 2.6 | 2.3 | 1.9 | 1.5 | 1.3 |
| 82.5° | 2.4 | 2.0 | 1.7 | 1.4 | 1.3 | 1.2 | 0.8 | 0.7 | 0.6 | 0.6 | 0.5 |
| 85° | 0.6 | 0.5 | 0.5 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 |
| 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: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 |
| 2.5° | 337.6 | 337.7 | 337.9 | 337.9 | 338.0 | 338.1 | 338.1 | 338.2 | 338.3 | 338.5 | 338.5 |
| 5° | 337.0 | 337.0 | 337.0 | 337.1 | 337.1 | 337.1 | 337.1 | 337.4 | 337.4 | 337.5 | 337.6 |
| 7.5° | 335.7 | 335.7 | 335.7 | 335.7 | 335.6 | 335.7 | 335.6 | 335.6 | 335.8 | 336.0 | 336.1 |
| 10° | 333.7 | 333.6 | 333.6 | 333.5 | 333.5 | 333.5 | 333.6 | 333.7 | 333.8 | 333.9 | 334.3 |
| 12.5° | 330.5 | 330.4 | 330.4 | 330.3 | 330.3 | 330.4 | 330.5 | 330.7 | 331.3 | 331.6 | 332.0 |
| 15° | 325.4 | 325.3 | 325.4 | 325.5 | 325.9 | 326.2 | 326.6 | 326.9 | 327.8 | 328.4 | 329.0 |
| 17.5° | 318.1 | 318.2 | 318.3 | 318.6 | 319.0 | 319.5 | 320.5 | 321.5 | 322.4 | 323.4 | 324.5 |
| 20° | 308.0 | 308.4 | 308.6 | 309.5 | 309.7 | 310.8 | 312.0 | 313.5 | 315.0 | 316.2 | 317.6 |
| 22.5° | 295.8 | 296.1 | 296.7 | 297.7 | 298.4 | 299.8 | 301.2 | 303.0 | 304.5 | 306.2 | 308.2 |
| 25° | 282.0 | 282.1 | 283.7 | 283.7 | 285.1 | 286.4 | 288.0 | 289.9 | 292.2 | 294.3 | 295.8 |
| 27.5° | 266.2 | 266.8 | 268.0 | 268.5 | 269.7 | 271.7 | 273.1 | 275.4 | 277.6 | 279.5 | 281.1 |
| 30° | 249.7 | 250.2 | 252.1 | 252.5 | 253.3 | 255.1 | 257.0 | 259.1 | 260.9 | 263.0 | 264.5 |
| 32.5° | 232.4 | 233.7 | 234.9 | 235.9 | 236.1 | 238.7 | 239.8 | 241.2 | 243.3 | 245.5 | 246.9 |
| 35° | 215.5 | 216.2 | 217.8 | 218.3 | 219.0 | 220.6 | 222.6 | 223.9 | 225.0 | 226.3 | 227.9 |
| 37.5° | 197.7 | 199.6 | 199.9 | 201.5 | 201.7 | 203.1 | 204.1 | 205.6 | 206.9 | 208.1 | 208.5 |
| 40° | 181.1 | 181.7 | 183.1 | 183.5 | 183.7 | 185.6 | 186.9 | 187.3 | 187.8 | 189.0 | 190.6 |
| 42.5° | 164.1 | 164.8 | 166.4 | 165.9 | 167.1 | 168.0 | 168.6 | 170.2 | 170.8 | 171.1 | 171.1 |
| 45° | 147.5 | 147.9 | 148.8 | 149.3 | 150.0 | 150.5 | 151.7 | 152.4 | 152.6 | 153.8 | 154.2 |
| 47.5° | 131.7 | 132.0 | 132.7 | 133.6 | 133.4 | 134.0 | 135.3 | 135.7 | 135.8 | 136.5 | 137.0 |
| 50° | 116.1 | 116.8 | 117.8 | 117.5 | 118.2 | 118.7 | 119.8 | 120.0 | 120.0 | 120.1 | 120.4 |
| 52.5° | 101.5 | 102.1 | 102.3 | 102.6 | 102.9 | 103.5 | 104.1 | 103.9 | 104.4 | 104.8 | 104.5 |
| 55° | 87.1 | 87.5 | 88.1 | 88.4 | 88.4 | 88.5 | 88.2 | 89.4 | 88.8 | 88.7 | 88.8 |
| 57.5° | 73.9 | 73.4 | 73.3 | 73.9 | 74.1 | 74.0 | 73.6 | 74.1 | 74.1 | 73.9 | 73.5 |
| 60° | 61.1 | 60.7 | 60.6 | 60.7 | 60.2 | 59.9 | 60.1 | 59.9 | 59.2 | 58.9 | 59.1 |
| 62.5° | 49.4 | 49.1 | 48.0 | 48.0 | 47.8 | 47.7 | 46.6 | 46.7 | 46.3 | 45.5 | 45.8 |
| 65° | 38.7 | 37.7 | 37.1 | 37.0 | 36.2 | 35.3 | 35.1 | 34.3 | 33.4 | 33.3 | 33.4 |
| 67.5° | 29.1 | 27.9 | 27.0 | 26.7 | 26.1 | 25.5 | 24.6 | 23.8 | 24.1 | 24.0 | 24.4 |
| 70° | 20.2 | 19.4 | 18.5 | 17.9 | 18.1 | 17.3 | 16.8 | 16.8 | 17.0 | 17.1 | 17.3 |
| 72.5° | 13.4 | 12.4 | 12.1 | 11.6 | 11.4 | 10.9 | 11.1 | 11.1 | 11.0 | 11.1 | 10.9 |
| 75° | 7.6 | 7.1 | 6.8 | 6.6 | 6.3 | 6.3 | 6.3 | 6.3 | 6.2 | 6.1 | 6.1 |
| 77.5° | 3.4 | 3.2 | 3.1 | 3.0 | 3.0 | 3.0 | 2.7 | 2.6 | 2.6 | 2.6 | 2.5 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.6 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| 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: P843217

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B27 4LBLWWLI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 | 337.6 |
| 2.5° | 338.7 | 338.8 | 338.8 | 338.8 | 338.9 | 338.9 | 338.9 | 338.9 |
| 5° | 337.7 | 337.9 | 337.9 | 337.9 | 338.0 | 338.0 | 338.0 | 338.0 |
| 7.5° | 336.2 | 336.3 | 336.3 | 336.4 | 336.4 | 336.6 | 336.6 | 336.8 |
| 10° | 334.4 | 334.7 | 334.8 | 335.0 | 335.1 | 335.2 | 335.2 | 335.4 |
| 12.5° | 332.5 | 332.8 | 332.9 | 333.2 | 333.5 | 333.6 | 333.7 | 333.8 |
| 15° | 329.8 | 330.3 | 330.5 | 330.6 | 331.1 | 331.4 | 331.6 | 331.7 |
| 17.5° | 325.3 | 326.3 | 326.7 | 326.9 | 327.4 | 328.0 | 328.4 | 328.5 |
| 20° | 319.0 | 320.1 | 320.7 | 321.3 | 322.0 | 322.7 | 322.9 | 323.2 |
| 22.5° | 310.1 | 311.4 | 312.1 | 312.8 | 313.5 | 314.1 | 315.2 | 314.8 |
| 25° | 297.4 | 299.6 | 300.5 | 300.9 | 302.3 | 303.0 | 303.5 | 303.0 |
| 27.5° | 283.2 | 284.5 | 285.2 | 286.2 | 287.1 | 287.9 | 288.2 | 288.9 |
| 30° | 266.1 | 268.2 | 268.1 | 269.1 | 270.3 | 271.1 | 271.3 | 271.9 |
| 32.5° | 248.3 | 249.4 | 250.1 | 250.0 | 250.6 | 251.9 | 251.4 | 252.6 |
| 35° | 229.5 | 229.6 | 230.9 | 230.8 | 231.7 | 231.7 | 231.7 | 232.5 |
| 37.5° | 209.3 | 210.8 | 210.2 | 211.7 | 211.2 | 211.6 | 211.6 | 211.8 |
| 40° | 190.9 | 191.4 | 191.4 | 192.0 | 192.3 | 192.0 | 192.2 | 192.8 |
| 42.5° | 171.9 | 172.4 | 172.5 | 172.3 | 172.7 | 173.8 | 172.9 | 173.7 |
| 45° | 154.2 | 154.5 | 155.0 | 154.6 | 155.3 | 154.9 | 155.3 | 155.0 |
| 47.5° | 137.4 | 137.3 | 137.2 | 138.2 | 137.3 | 137.4 | 137.9 | 137.1 |
| 50° | 120.4 | 121.1 | 120.6 | 121.0 | 121.2 | 121.2 | 120.8 | 120.8 |
| 52.5° | 105.1 | 105.0 | 104.6 | 105.0 | 104.7 | 104.8 | 105.1 | 104.8 |
| 55° | 89.4 | 89.9 | 89.6 | 89.5 | 89.6 | 89.6 | 90.4 | 89.4 |
| 57.5° | 73.9 | 73.6 | 74.0 | 74.9 | 74.0 | 74.7 | 75.1 | 75.2 |
| 60° | 59.2 | 59.2 | 60.0 | 59.5 | 60.4 | 61.0 | 61.4 | 61.2 |
| 62.5° | 45.2 | 45.8 | 46.0 | 46.1 | 47.0 | 47.4 | 47.4 | 47.3 |
| 65° | 33.4 | 34.4 | 34.4 | 34.9 | 35.1 | 35.1 | 35.3 | 35.9 |
| 67.5° | 24.7 | 24.7 | 24.9 | 25.1 | 25.0 | 25.0 | 25.3 | 25.4 |
| 70° | 17.2 | 17.0 | 17.3 | 17.2 | 17.2 | 17.1 | 17.2 | 17.2 |
| 72.5° | 10.9 | 10.9 | 11.0 | 10.9 | 10.7 | 10.8 | 10.8 | 11.0 |
| 75° | 5.8 | 6.1 | 5.8 | 5.8 | 5.9 | 5.7 | 5.8 | 5.9 |
| 77.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 |
| 82.5° | 0.5 | 0.6 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 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)