

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1316509

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709740DE010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

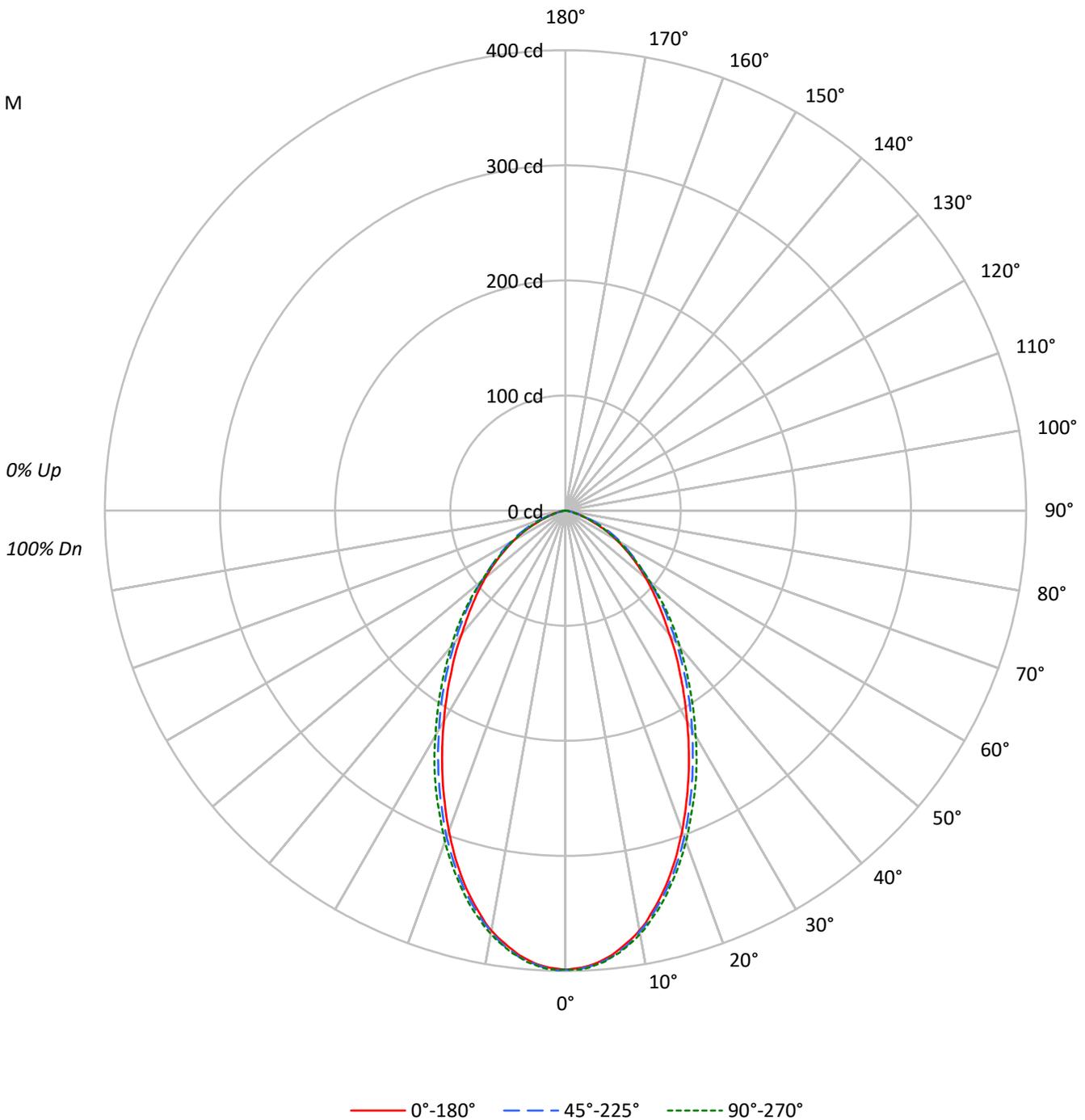
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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: 24 FT

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Luminous Intensity Polar Plot





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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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 79 |
| 3 | 96 | 87 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 53 | 62 | 56 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 58 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 68700 | 68700 | 68700 |
| 5° | 67614 | 67856 | 67977 |
| 10° | 64793 | 64915 | 65300 |
| 15° | 60122 | 60639 | 61138 |
| 20° | 54268 | 55313 | 56101 |
| 25° | 48058 | 49407 | 50623 |
| 30° | 41981 | 43671 | 44944 |
| 35° | 36499 | 38433 | 39610 |
| 40° | 31542 | 33611 | 34712 |
| 45° | 27620 | 29495 | 30372 |
| 50° | 24301 | 25427 | 25427 |
| 55° | 21048 | 22129 | 21499 |
| 60° | 17808 | 19048 | 18049 |
| 65° | 13855 | 15893 | 14426 |
| 70° | 9970 | 11783 | 9970 |
| 75° | 7519 | 7053 | 5656 |
| 80° | 4959 | 3471 | 1389 |
| 85° | 1383 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 30372 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 36.8 | 6.4 |
| 10°-20° | 94.9 | 16.6 |
| 20°-30° | 119.2 | 20.9 |
| 30°-40° | 113.8 | 19.9 |
| 40°-50° | 92.5 | 16.2 |
| 50°-60° | 64.8 | 11.3 |
| 60°-70° | 36.6 | 6.4 |
| 70°-80° | 11.6 | 2.0 |
| 80°-90° | 0.9 | 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° | 250.8 | 43.9 |
| 0°-40° | 364.6 | 63.9 |
| 0°-60° | 521.9 | 91.4 |
| 0°-90° | 571.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 571.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 399 | 399 | 399 | 399 | 399 | |
| 5° | 391 | 392 | 392 | 392 | 393 | 37 |
| 15° | 337 | 338 | 340 | 341 | 343 | 94 |
| 25° | 253 | 256 | 260 | 264 | 266 | 116 |
| 35° | 174 | 176 | 183 | 186 | 188 | 109 |
| 45° | 113 | 116 | 121 | 123 | 125 | 88 |
| 55° | 70 | 71 | 74 | 72 | 72 | 63 |
| 65° | 34 | 36 | 39 | 37 | 35 | 34 |
| 75° | 11 | 11 | 11 | 9 | 8 | 12 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316509

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 398.9 | 398.9 | 398.9 | 398.9 | 398.9 |
| 1° | 398.1 | 398.9 | 399.6 | 398.1 | 398.9 |
| 2° | 397.4 | 398.1 | 398.1 | 397.4 | 398.9 |
| 3° | 396.0 | 396.7 | 396.7 | 396.0 | 397.4 |
| 4° | 393.9 | 394.6 | 394.6 | 393.9 | 395.3 |
| 5° | 391.1 | 391.8 | 392.5 | 391.8 | 393.2 |
| 6° | 388.2 | 388.9 | 389.6 | 388.9 | 389.6 |
| 7° | 384.0 | 385.4 | 385.4 | 385.4 | 386.8 |
| 8° | 379.7 | 381.1 | 381.9 | 381.1 | 382.6 |
| 9° | 375.5 | 376.2 | 376.9 | 376.9 | 378.3 |
| 10° | 370.5 | 371.2 | 371.2 | 371.9 | 373.4 |
| 11° | 364.9 | 364.9 | 366.3 | 366.3 | 368.4 |
| 12° | 357.8 | 358.5 | 359.9 | 360.6 | 362.0 |
| 13° | 351.4 | 352.1 | 353.5 | 354.2 | 356.4 |
| 14° | 344.3 | 345.7 | 347.1 | 347.8 | 350.0 |
| 15° | 337.2 | 337.9 | 340.1 | 340.8 | 342.9 |
| 17.5° | 317.4 | 318.1 | 321.6 | 323.1 | 325.2 |
| 20° | 296.1 | 298.3 | 301.8 | 303.9 | 306.1 |
| 22.5° | 274.2 | 276.3 | 280.5 | 284.1 | 285.5 |
| 25° | 252.9 | 255.8 | 260.0 | 264.3 | 266.4 |
| 27.5° | 231.7 | 234.5 | 239.5 | 243.7 | 246.5 |
| 30° | 211.1 | 214.0 | 219.6 | 223.2 | 226.0 |
| 32.5° | 192.0 | 194.8 | 201.2 | 204.7 | 206.9 |
| 35° | 173.6 | 176.4 | 182.8 | 186.3 | 188.4 |
| 37.5° | 157.3 | 160.1 | 165.8 | 169.3 | 170.7 |
| 40° | 140.3 | 143.8 | 149.5 | 153.0 | 154.4 |
| 42.5° | 126.1 | 128.9 | 134.6 | 137.4 | 139.6 |
| 45° | 113.4 | 116.2 | 121.1 | 123.3 | 124.7 |
| 47.5° | 102.0 | 103.4 | 107.7 | 108.4 | 109.8 |
| 50° | 90.7 | 92.1 | 94.9 | 95.6 | 94.9 |
| 52.5° | 80.1 | 81.5 | 83.6 | 82.9 | 82.9 |
| 55° | 70.1 | 70.8 | 73.7 | 72.3 | 71.6 |
| 57.5° | 60.2 | 61.6 | 64.5 | 62.3 | 61.6 |
| 60° | 51.7 | 53.1 | 55.3 | 53.8 | 52.4 |
| 62.5° | 43.2 | 43.9 | 47.5 | 44.6 | 43.2 |
| 65° | 34.0 | 36.1 | 39.0 | 36.8 | 35.4 |
| 67.5° | 25.5 | 29.0 | 31.9 | 29.0 | 27.6 |
| 70° | 19.8 | 21.3 | 23.4 | 22.0 | 19.8 |
| 72.5° | 14.9 | 15.6 | 16.3 | 14.9 | 13.5 |
| 75° | 11.3 | 11.3 | 10.6 | 9.2 | 8.5 |
| 77.5° | 7.8 | 7.8 | 6.4 | 4.3 | 4.3 |
| 80° | 5.0 | 5.0 | 3.5 | 1.4 | 1.4 |
| 82.5° | 2.1 | 2.1 | 1.4 | 0.7 | 0.7 |
| 85° | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)