

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: P1319022

Luminaire Tested: LDSQA3D05R709835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

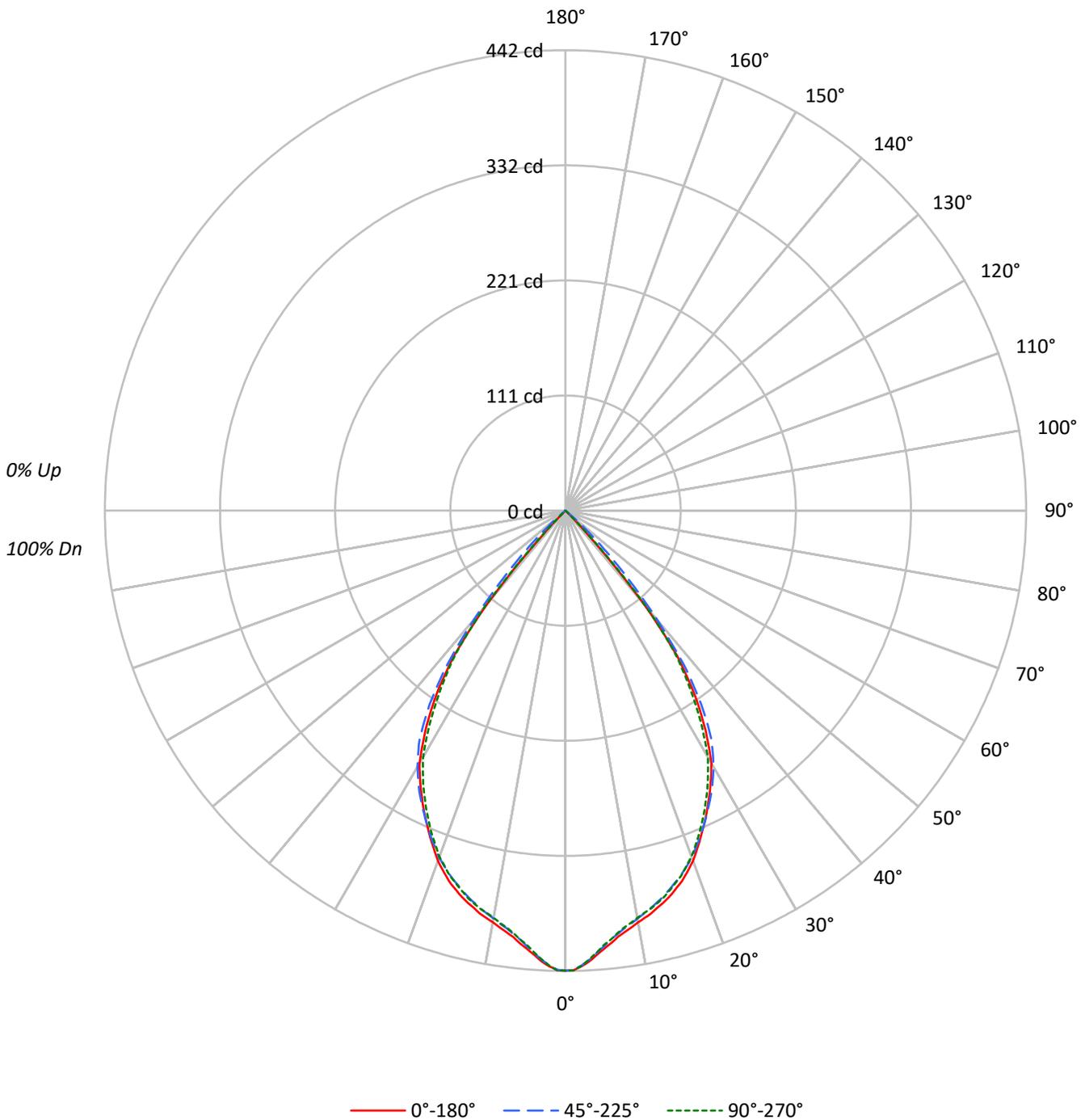
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
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: 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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 |
| 1 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | | | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 86 | | | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 80 | | | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 | | | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 68 | | | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 63 | | | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 59 | | | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | | | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | | | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 48 | | | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 76071 | 76071 | 76071 |
| 5° | 73025 | 72627 | 72420 |
| 10° | 70162 | 69550 | 69410 |
| 15° | 68484 | 67521 | 67664 |
| 20° | 65594 | 64953 | 64806 |
| 25° | 60885 | 61037 | 60067 |
| 30° | 55722 | 56498 | 54330 |
| 35° | 45581 | 47768 | 43794 |
| 40° | 26237 | 30576 | 26934 |
| 45° | 365 | 12714 | 1315 |
| 50° | 0 | 1340 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12714 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.4 | 8.6 |
| 10°-20° | 106.8 | 23.4 |
| 20°-30° | 146.7 | 32.1 |
| 30°-40° | 133.0 | 29.1 |
| 40°-50° | 30.9 | 6.8 |
| 50°-60° | 0.2 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 292.9 | 64.1 |
| 0°-40° | 425.9 | 93.2 |
| 0°-60° | 457.0 | 100.0 |
| 0°-90° | 457.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 457.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 442 | 442 | 442 | 442 | 442 | |
| 5° | 422 | 421 | 420 | 419 | 419 | 40 |
| 15° | 384 | 381 | 379 | 379 | 380 | 108 |
| 25° | 320 | 322 | 321 | 318 | 316 | 147 |
| 35° | 217 | 220 | 227 | 218 | 208 | 130 |
| 45° | 2 | 17 | 52 | 22 | 5 | 19 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1319022

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 441.7 | 441.7 | 441.7 | 441.7 | 441.7 |
| 1° | 441.3 | 440.6 | 441.0 | 441.3 | 441.7 |
| 2° | 437.9 | 437.1 | 437.1 | 437.5 | 437.5 |
| 3° | 433.6 | 432.1 | 432.1 | 431.7 | 431.7 |
| 4° | 427.8 | 426.7 | 425.9 | 425.5 | 425.5 |
| 5° | 422.4 | 421.2 | 420.1 | 419.3 | 418.9 |
| 6° | 417.8 | 415.8 | 414.3 | 413.9 | 414.3 |
| 7° | 412.4 | 411.2 | 409.7 | 408.5 | 408.9 |
| 8° | 408.5 | 406.9 | 405.0 | 404.2 | 404.2 |
| 9° | 405.0 | 403.5 | 401.5 | 400.0 | 400.8 |
| 10° | 401.2 | 399.6 | 397.7 | 396.5 | 396.9 |
| 11° | 398.4 | 396.5 | 394.2 | 393.4 | 393.8 |
| 12° | 395.4 | 393.0 | 390.7 | 390.3 | 391.1 |
| 13° | 391.5 | 389.2 | 386.9 | 386.9 | 387.6 |
| 14° | 388.0 | 385.3 | 383.0 | 383.0 | 384.1 |
| 15° | 384.1 | 381.4 | 378.7 | 378.7 | 379.5 |
| 17.5° | 372.6 | 370.2 | 367.5 | 367.5 | 367.9 |
| 20° | 357.9 | 356.7 | 354.4 | 353.2 | 353.6 |
| 22.5° | 339.3 | 339.3 | 338.2 | 336.2 | 335.5 |
| 25° | 320.4 | 321.9 | 321.2 | 318.1 | 316.1 |
| 27.5° | 300.7 | 303.4 | 303.8 | 299.1 | 295.6 |
| 30° | 280.2 | 282.5 | 284.1 | 278.6 | 273.2 |
| 32.5° | 250.0 | 257.0 | 260.9 | 253.5 | 242.3 |
| 35° | 216.8 | 219.9 | 227.2 | 217.6 | 208.3 |
| 37.5° | 176.2 | 180.1 | 186.3 | 178.5 | 173.1 |
| 40° | 116.7 | 132.2 | 136.0 | 132.2 | 119.8 |
| 42.5° | 42.1 | 74.2 | 89.3 | 75.7 | 49.5 |
| 45° | 1.5 | 17.4 | 52.2 | 22.4 | 5.4 |
| 47.5° | 0.0 | 0.4 | 23.6 | 0.8 | 0.0 |
| 50° | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 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)