

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: P1317417

Luminaire Tested: LDSQA3D09R709827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

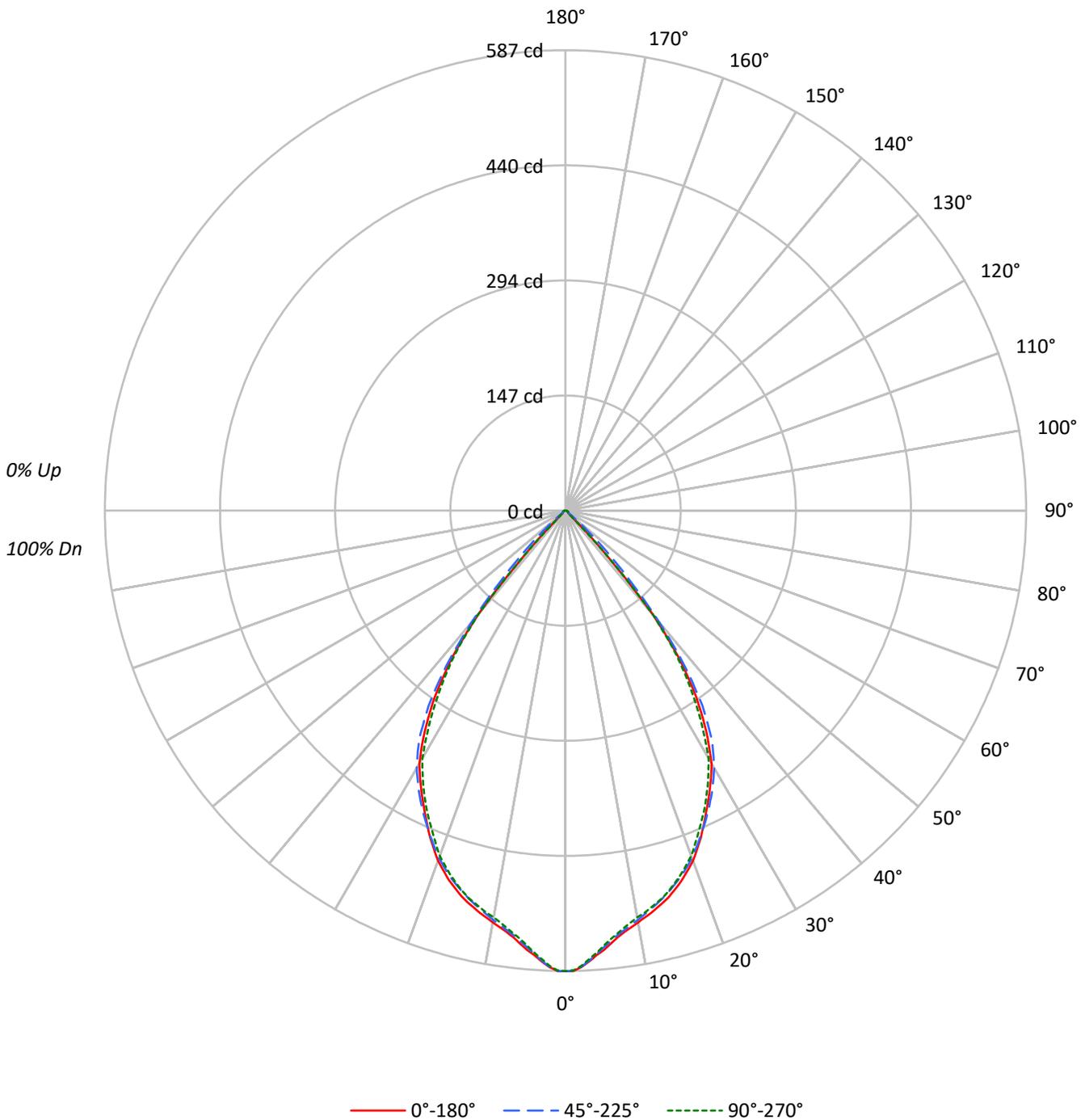
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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





TEST NUMBER: P1317417

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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 | 100 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 86 | 86 | 86 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 79 | 79 | 79 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 73 | 73 | 73 | 73 |
| 5 | 91 | 82 | 76 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 67 | 67 | 67 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 62 | 62 | 62 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 58 | 58 | 58 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 54 | 54 | 54 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 50 | 50 | 50 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 47 | 47 | 47 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 101112 | 101112 | 101112 |
| 5° | 97193 | 96657 | 96312 |
| 10° | 93246 | 92704 | 92092 |
| 15° | 90896 | 89898 | 89809 |
| 20° | 87093 | 86433 | 85883 |
| 25° | 80628 | 81217 | 79659 |
| 30° | 74058 | 75370 | 72546 |
| 35° | 61076 | 63957 | 58721 |
| 40° | 38894 | 41862 | 38894 |
| 45° | 2728 | 18096 | 2971 |
| 50° | 1232 | 3671 | 1232 |
| 55° | 1381 | 1381 | 1381 |
| 60° | 1412 | 1412 | 1412 |
| 65° | 1263 | 1467 | 1263 |
| 70° | 1259 | 1561 | 1259 |
| 75° | 1331 | 1331 | 1331 |
| 80° | 1488 | 1488 | 1488 |
| 85° | 988 | 1976 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 18096 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.4 | 8.4 |
| 10°-20° | 141.8 | 22.7 |
| 20°-30° | 195.0 | 31.1 |
| 30°-40° | 178.6 | 28.5 |
| 40°-50° | 47.4 | 7.6 |
| 50°-60° | 4.3 | 0.7 |
| 60°-70° | 3.5 | 0.6 |
| 70°-80° | 2.3 | 0.4 |
| 80°-90° | 0.9 | 0.1 |
| 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° | 389.2 | 62.2 |
| 0°-40° | 567.8 | 90.7 |
| 0°-60° | 619.4 | 98.9 |
| 0°-90° | 626.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 626.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 587 | 587 | 587 | 587 | 587 | |
| 5° | 562 | 560 | 559 | 558 | 557 | 53 |
| 15° | 510 | 505 | 504 | 504 | 504 | 143 |
| 25° | 424 | 426 | 427 | 422 | 419 | 195 |
| 35° | 290 | 295 | 304 | 290 | 279 | 176 |
| 45° | 11 | 38 | 74 | 39 | 12 | 34 |
| 55° | 5 | 5 | 5 | 5 | 5 | 4 |
| 65° | 3 | 4 | 4 | 4 | 3 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 1 | 1 | 1 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317417

CATALOG NUMBER: LDSQA3D09R709827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 587.1 | 587.1 | 587.1 | 587.1 | 587.1 |
| 1° | 587.1 | 586.1 | 587.1 | 587.1 | 586.1 |
| 2° | 582.5 | 581.5 | 582.0 | 581.5 | 581.0 |
| 3° | 575.9 | 574.4 | 574.9 | 573.9 | 572.9 |
| 4° | 568.3 | 566.7 | 566.7 | 566.2 | 565.2 |
| 5° | 562.2 | 559.6 | 559.1 | 558.1 | 557.1 |
| 6° | 555.0 | 552.5 | 552.0 | 550.5 | 549.5 |
| 7° | 547.9 | 545.9 | 545.4 | 543.3 | 543.3 |
| 8° | 542.3 | 539.8 | 539.8 | 537.2 | 537.2 |
| 9° | 537.8 | 534.7 | 534.7 | 532.7 | 531.6 |
| 10° | 533.2 | 530.1 | 530.1 | 527.6 | 526.6 |
| 11° | 528.6 | 526.0 | 525.0 | 523.5 | 523.0 |
| 12° | 524.5 | 521.0 | 519.9 | 519.4 | 518.4 |
| 13° | 519.4 | 515.9 | 514.9 | 514.3 | 513.8 |
| 14° | 514.9 | 510.3 | 509.8 | 508.8 | 509.3 |
| 15° | 509.8 | 505.2 | 504.2 | 504.2 | 503.7 |
| 17.5° | 494.0 | 490.9 | 489.4 | 488.4 | 487.4 |
| 20° | 475.2 | 472.6 | 471.6 | 469.6 | 468.6 |
| 22.5° | 450.8 | 450.2 | 449.7 | 447.2 | 443.1 |
| 25° | 424.3 | 425.8 | 427.4 | 422.3 | 419.2 |
| 27.5° | 398.9 | 402.9 | 404.5 | 399.4 | 392.8 |
| 30° | 372.4 | 376.0 | 379.0 | 371.9 | 364.8 |
| 32.5° | 334.2 | 342.9 | 347.5 | 339.3 | 323.1 |
| 35° | 290.5 | 295.1 | 304.2 | 290.5 | 279.3 |
| 37.5° | 239.6 | 242.2 | 249.3 | 240.1 | 232.5 |
| 40° | 173.0 | 180.6 | 186.2 | 180.6 | 173.0 |
| 42.5° | 77.8 | 108.9 | 123.1 | 115.0 | 81.4 |
| 45° | 11.2 | 38.2 | 74.3 | 38.7 | 12.2 |
| 47.5° | 4.6 | 6.1 | 38.7 | 5.6 | 4.6 |
| 50° | 4.6 | 4.6 | 13.7 | 4.6 | 4.6 |
| 52.5° | 4.6 | 4.6 | 5.1 | 4.6 | 4.6 |
| 55° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 57.5° | 4.1 | 4.1 | 4.6 | 4.1 | 4.1 |
| 60° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 62.5° | 3.6 | 4.1 | 4.1 | 4.1 | 3.6 |
| 65° | 3.1 | 3.6 | 3.6 | 3.6 | 3.1 |
| 67.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70° | 2.5 | 3.1 | 3.1 | 3.1 | 2.5 |
| 72.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 75° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 1.5 | 2.0 | 2.0 | 2.0 | 1.5 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.5 | 1.0 | 1.0 | 1.0 | 0.5 |
| 87.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |



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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)