

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: P1306891

Luminaire Tested: LDSQA3D05R559024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

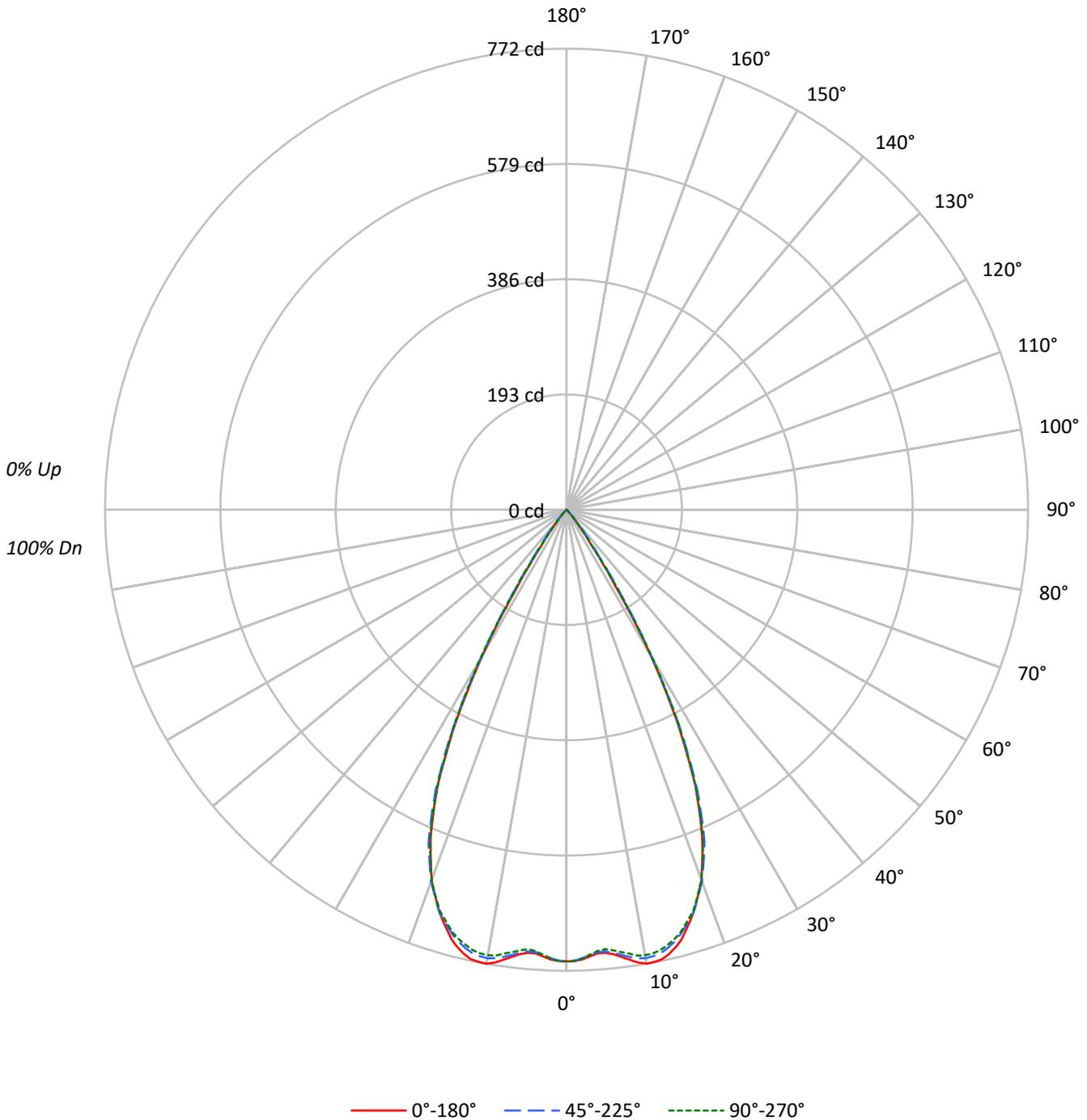
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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 (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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 103 | 97 | 93 | 90 | 95 | 91 | 89 | 92 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 83 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 79 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 69 | 69 | 69 | 67 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 64 |
| 9 | 80 | 72 | 66 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |
| 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 59 | 59 | 59 | 58 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 130252 | 130252 | 130252 |
| 5° | 128761 | 128381 | 127707 |
| 10° | 134972 | 133346 | 132419 |
| 15° | 132725 | 131316 | 130835 |
| 20° | 120889 | 121383 | 120980 |
| 25° | 96990 | 98491 | 96990 |
| 30° | 55662 | 57074 | 57512 |
| 35° | 15873 | 19132 | 16336 |
| 40° | 4069 | 5845 | 4159 |
| 45° | 438 | 2046 | 317 |
| 50° | 0 | 348 | 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: 2046 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.8 | 12.5 |
| 10°-20° | 204.9 | 35.6 |
| 20°-30° | 225.7 | 39.3 |
| 30°-40° | 67.4 | 11.7 |
| 40°-50° | 5.2 | 0.9 |
| 50°-60° | 0.0 | 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° | 502.4 | 87.4 |
| 0°-40° | 569.8 | 99.1 |
| 0°-60° | 575.0 | 100.0 |
| 0°-90° | 575.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 575.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 756 | 756 | 756 | 756 | 756 | |
| 5° | 745 | 744 | 743 | 740 | 739 | 72 |
| 15° | 744 | 739 | 736 | 733 | 734 | 206 |
| 25° | 510 | 510 | 518 | 518 | 510 | 223 |
| 35° | 76 | 80 | 91 | 83 | 78 | 62 |
| 45° | 2 | 4 | 8 | 4 | 1 | 3 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 756.3 | 756.3 | 756.3 | 756.3 | 756.3 |
| 1° | 755.9 | 755.9 | 755.0 | 754.6 | 755.9 |
| 2° | 753.7 | 753.7 | 751.5 | 751.0 | 752.3 |
| 3° | 748.8 | 748.4 | 746.6 | 745.3 | 746.2 |
| 4° | 744.8 | 744.0 | 742.6 | 740.4 | 740.9 |
| 5° | 744.8 | 743.5 | 742.6 | 739.5 | 738.7 |
| 6° | 748.4 | 747.5 | 745.7 | 742.6 | 741.8 |
| 7° | 754.6 | 752.8 | 751.0 | 747.1 | 746.2 |
| 8° | 761.2 | 759.9 | 756.3 | 752.3 | 750.6 |
| 9° | 767.8 | 764.7 | 760.3 | 756.3 | 755.9 |
| 10° | 771.8 | 767.4 | 762.5 | 757.6 | 757.2 |
| 11° | 771.3 | 767.4 | 761.6 | 757.2 | 756.8 |
| 12° | 769.6 | 763.8 | 759.0 | 753.7 | 754.1 |
| 13° | 763.4 | 758.1 | 753.2 | 749.3 | 748.4 |
| 14° | 755.0 | 750.1 | 745.7 | 741.8 | 742.2 |
| 15° | 744.4 | 739.1 | 736.5 | 733.4 | 733.8 |
| 17.5° | 706.9 | 705.5 | 706.9 | 703.3 | 704.7 |
| 20° | 659.6 | 658.3 | 662.3 | 660.5 | 660.1 |
| 22.5° | 593.8 | 595.6 | 603.1 | 600.9 | 596.9 |
| 25° | 510.4 | 510.4 | 518.3 | 517.5 | 510.4 |
| 27.5° | 401.8 | 404.9 | 409.7 | 411.9 | 406.6 |
| 30° | 279.9 | 287.0 | 287.0 | 291.4 | 289.2 |
| 32.5° | 156.3 | 171.3 | 174.8 | 177.0 | 168.2 |
| 35° | 75.5 | 80.4 | 91.0 | 83.0 | 77.7 |
| 37.5° | 36.2 | 38.4 | 49.0 | 39.7 | 37.1 |
| 40° | 18.1 | 20.8 | 26.0 | 21.6 | 18.5 |
| 42.5° | 7.5 | 11.0 | 13.7 | 11.0 | 7.5 |
| 45° | 1.8 | 4.4 | 8.4 | 4.4 | 1.3 |
| 47.5° | 0.0 | 0.4 | 4.0 | 0.9 | 0.0 |
| 50° | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 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)