

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: P1308991

Luminaire Tested: LDSQA3D05R609030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

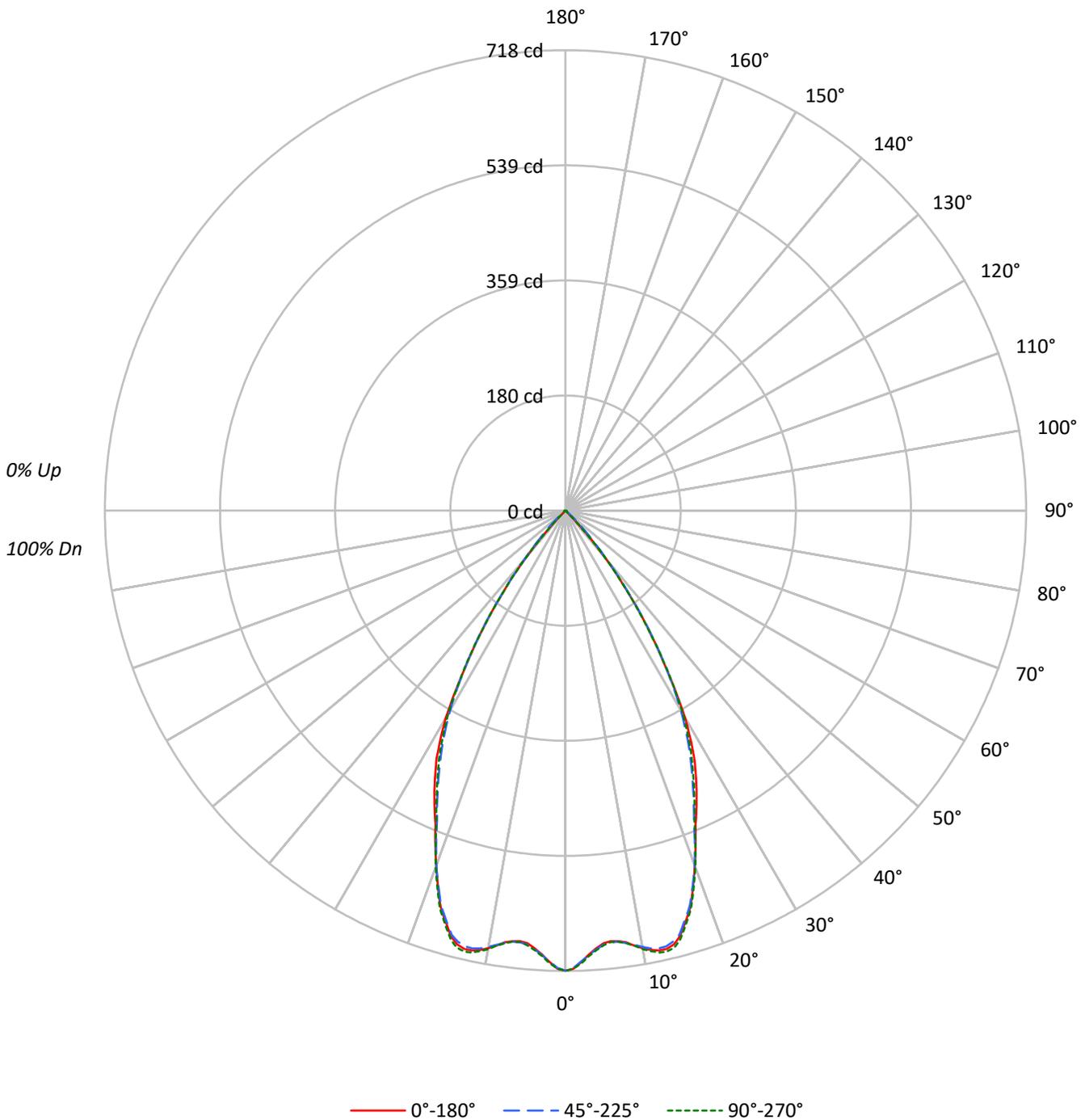
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
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 | | | | 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 | 114 | 111 | 108 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 96 | 95 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 87 | 87 | 87 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 79 | 83 | 80 | 78 | 76 | 76 | 76 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 71 | 71 | 71 | 71 |
| 6 | 88 | 80 | 74 | 70 | 87 | 79 | 73 | 69 | 77 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 67 | 67 | 67 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 74 | 69 | 65 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 64 | 62 | 62 | 62 | 62 |
| 8 | 80 | 71 | 65 | 61 | 79 | 70 | 65 | 61 | 69 | 64 | 60 | 68 | 64 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |
| 9 | 76 | 67 | 61 | 57 | 75 | 66 | 61 | 57 | 65 | 60 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | 55 | 55 | 55 |
| 10 | 73 | 63 | 58 | 54 | 72 | 63 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 53 | 61 | 56 | 53 | 52 | 52 | 52 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 123570 | 123570 | 123570 |
| 5° | 117127 | 117472 | 117645 |
| 10° | 121191 | 120842 | 121454 |
| 15° | 122669 | 122134 | 123382 |
| 20° | 108004 | 107913 | 108481 |
| 25° | 91916 | 89256 | 90016 |
| 30° | 74177 | 71592 | 72785 |
| 35° | 46948 | 47368 | 46843 |
| 40° | 21942 | 22842 | 22280 |
| 45° | 1340 | 8037 | 1583 |
| 50° | 670 | 1876 | 670 |
| 55° | 751 | 751 | 751 |
| 60° | 689 | 689 | 689 |
| 65° | 611 | 815 | 611 |
| 70° | 755 | 755 | 755 |
| 75° | 665 | 665 | 665 |
| 80° | 496 | 496 | 496 |
| 85° | 988 | 988 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8037 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.4 | 10.2 |
| 10°-20° | 188.4 | 29.4 |
| 20°-30° | 217.1 | 33.9 |
| 30°-40° | 139.4 | 21.8 |
| 40°-50° | 24.2 | 3.8 |
| 50°-60° | 2.3 | 0.4 |
| 60°-70° | 1.8 | 0.3 |
| 70°-80° | 1.1 | 0.2 |
| 80°-90° | 0.3 | 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° | 470.9 | 73.6 |
| 0°-40° | 610.3 | 95.4 |
| 0°-60° | 636.8 | 99.5 |
| 0°-90° | 640.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 640.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 718 | 718 | 718 | 718 | 718 | |
| 5° | 678 | 679 | 680 | 681 | 680 | 65 |
| 15° | 688 | 686 | 685 | 690 | 692 | 189 |
| 25° | 484 | 478 | 470 | 470 | 474 | 221 |
| 35° | 223 | 222 | 225 | 221 | 223 | 139 |
| 45° | 6 | 16 | 33 | 20 | 6 | 18 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1308991

CATALOG NUMBER: LDSQA3D05R609030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 717.5 | 717.5 | 717.5 | 717.5 | 717.5 |
| 1° | 714.5 | 714.0 | 713.5 | 714.0 | 714.5 |
| 2° | 704.5 | 704.0 | 703.5 | 705.5 | 706.5 |
| 3° | 693.5 | 694.0 | 694.5 | 695.5 | 696.0 |
| 4° | 684.5 | 685.5 | 686.0 | 687.0 | 687.5 |
| 5° | 677.5 | 679.0 | 679.5 | 681.0 | 680.5 |
| 6° | 675.5 | 676.5 | 677.0 | 677.5 | 676.5 |
| 7° | 676.5 | 677.0 | 677.5 | 678.5 | 677.5 |
| 8° | 680.0 | 680.5 | 681.0 | 681.5 | 681.5 |
| 9° | 687.0 | 686.0 | 685.5 | 687.5 | 687.0 |
| 10° | 693.0 | 691.5 | 691.0 | 694.0 | 694.5 |
| 11° | 698.0 | 696.0 | 695.5 | 699.0 | 700.0 |
| 12° | 701.5 | 698.5 | 698.0 | 702.5 | 704.5 |
| 13° | 701.5 | 697.5 | 697.5 | 702.5 | 705.5 |
| 14° | 697.5 | 693.0 | 693.0 | 698.5 | 702.0 |
| 15° | 688.0 | 685.5 | 685.0 | 689.5 | 692.0 |
| 17.5° | 647.9 | 644.9 | 645.4 | 650.4 | 650.9 |
| 20° | 589.3 | 587.8 | 588.8 | 589.8 | 591.9 |
| 22.5° | 529.8 | 528.8 | 523.3 | 524.8 | 525.8 |
| 25° | 483.7 | 478.2 | 469.7 | 470.2 | 473.7 |
| 27.5° | 435.1 | 429.6 | 417.6 | 420.1 | 423.6 |
| 30° | 373.0 | 368.5 | 360.0 | 361.5 | 366.0 |
| 32.5° | 292.9 | 301.9 | 293.9 | 296.4 | 294.9 |
| 35° | 223.3 | 221.8 | 225.3 | 220.8 | 222.8 |
| 37.5° | 157.2 | 157.7 | 159.2 | 155.2 | 155.2 |
| 40° | 97.6 | 100.1 | 101.6 | 99.6 | 99.1 |
| 42.5° | 41.1 | 56.1 | 59.1 | 56.1 | 41.6 |
| 45° | 5.5 | 16.5 | 33.0 | 19.5 | 6.5 |
| 47.5° | 2.5 | 3.5 | 17.5 | 3.5 | 2.5 |
| 50° | 2.5 | 2.5 | 7.0 | 2.5 | 2.5 |
| 52.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 55° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 57.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 60° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 62.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 65° | 1.5 | 2.0 | 2.0 | 2.0 | 1.5 |
| 67.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 70° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 72.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 75° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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)