

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: P1314549

Luminaire Tested: LDSQA3D09R609730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

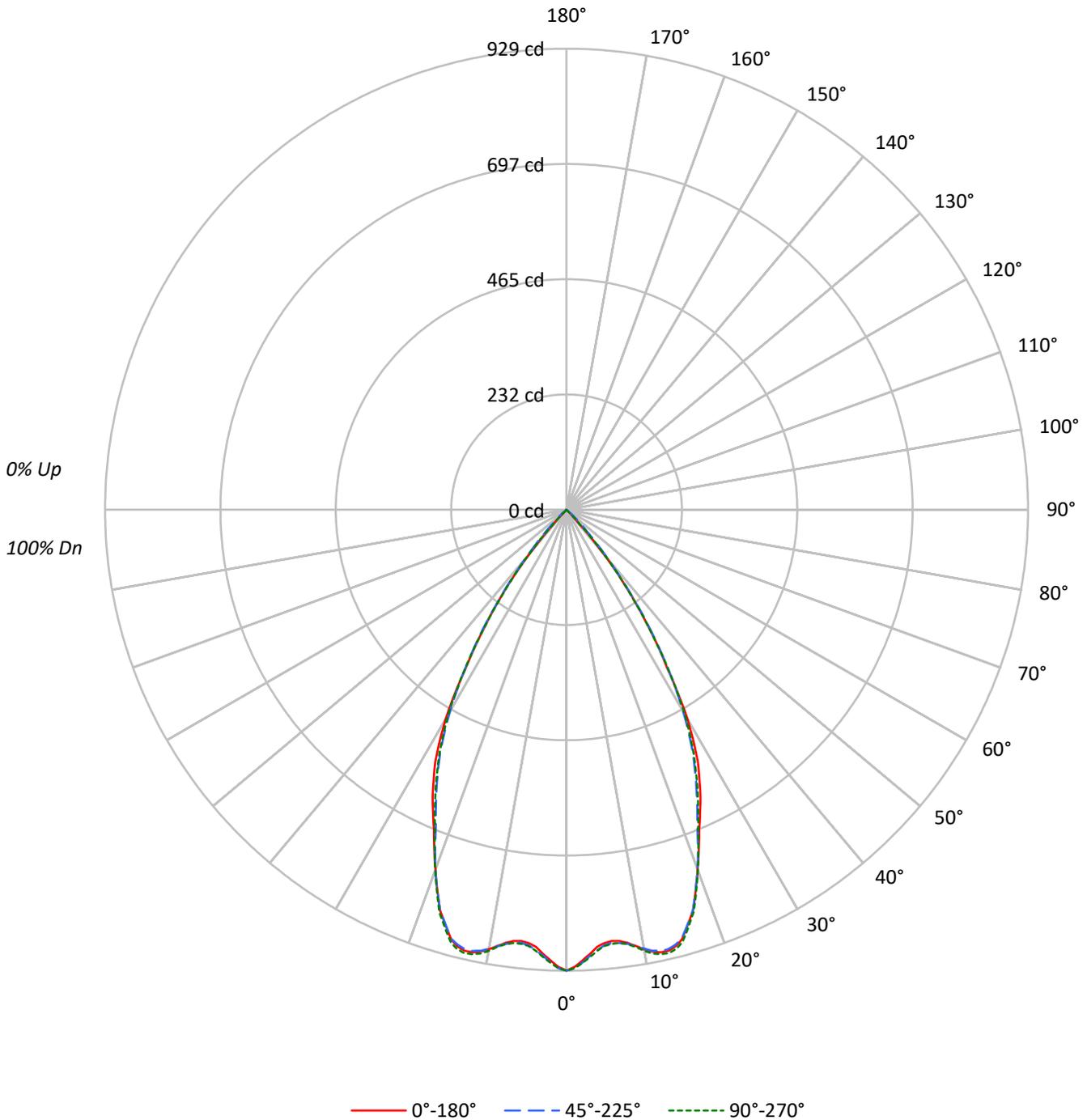
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
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 (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 | | | | 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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 67 | 67 | 67 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 81 | 71 | 66 | 62 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 53 | 53 | 53 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 159943 | 159943 | 159943 |
| 5° | 151478 | 152273 | 152498 |
| 10° | 157252 | 157007 | 157934 |
| 15° | 159844 | 159612 | 160789 |
| 20° | 141452 | 141452 | 141690 |
| 25° | 121218 | 117607 | 118615 |
| 30° | 96967 | 93447 | 94879 |
| 35° | 60172 | 61413 | 60025 |
| 40° | 26416 | 29069 | 27158 |
| 45° | 317 | 9426 | 804 |
| 50° | 0 | 1045 | 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: 9426 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.8 | 10.3 |
| 10°-20° | 245.9 | 29.9 |
| 20°-30° | 285.4 | 34.7 |
| 30°-40° | 179.8 | 21.8 |
| 40°-50° | 27.0 | 3.3 |
| 50°-60° | 0.1 | 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° | 616.1 | 74.9 |
| 0°-40° | 795.9 | 96.7 |
| 0°-60° | 823.0 | 100.0 |
| 0°-90° | 823.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 823.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 929 | 929 | 929 | 929 | 929 | |
| 5° | 876 | 880 | 881 | 883 | 882 | 85 |
| 15° | 896 | 893 | 895 | 901 | 902 | 246 |
| 25° | 638 | 631 | 619 | 622 | 624 | 290 |
| 35° | 286 | 287 | 292 | 286 | 286 | 179 |
| 45° | 1 | 12 | 39 | 16 | 3 | 18 |
| 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: P1314549

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 928.7 | 928.7 | 928.7 | 928.7 | 928.7 |
| 1° | 921.5 | 924.1 | 924.1 | 924.8 | 924.1 |
| 2° | 909.0 | 912.9 | 912.9 | 914.9 | 913.6 |
| 3° | 896.5 | 899.8 | 900.5 | 903.1 | 902.4 |
| 4° | 882.8 | 888.0 | 890.0 | 891.3 | 890.6 |
| 5° | 876.2 | 879.5 | 880.8 | 882.8 | 882.1 |
| 6° | 873.6 | 876.2 | 877.5 | 879.5 | 879.5 |
| 7° | 875.5 | 877.5 | 879.5 | 880.8 | 879.5 |
| 8° | 881.4 | 883.4 | 883.4 | 886.0 | 884.1 |
| 9° | 890.0 | 890.6 | 890.6 | 893.9 | 891.9 |
| 10° | 899.2 | 897.8 | 897.8 | 902.4 | 903.1 |
| 11° | 907.0 | 905.7 | 905.1 | 909.7 | 911.0 |
| 12° | 911.6 | 909.0 | 909.0 | 914.9 | 915.6 |
| 13° | 912.3 | 909.0 | 909.0 | 914.9 | 916.9 |
| 14° | 907.0 | 903.1 | 903.8 | 910.3 | 912.3 |
| 15° | 896.5 | 893.3 | 895.2 | 901.1 | 901.8 |
| 17.5° | 846.7 | 844.7 | 846.0 | 849.9 | 850.6 |
| 20° | 771.8 | 770.5 | 771.8 | 771.8 | 773.1 |
| 22.5° | 697.7 | 694.4 | 687.8 | 691.8 | 692.4 |
| 25° | 637.9 | 630.7 | 618.9 | 621.5 | 624.2 |
| 27.5° | 572.3 | 563.1 | 550.7 | 553.9 | 554.6 |
| 30° | 487.6 | 483.1 | 469.9 | 473.2 | 477.1 |
| 32.5° | 376.7 | 389.2 | 381.3 | 380.7 | 381.3 |
| 35° | 286.2 | 286.8 | 292.1 | 286.2 | 285.5 |
| 37.5° | 200.2 | 200.8 | 204.8 | 198.2 | 198.9 |
| 40° | 117.5 | 126.0 | 129.3 | 126.7 | 120.8 |
| 42.5° | 36.8 | 65.0 | 73.5 | 63.7 | 40.7 |
| 45° | 1.3 | 12.5 | 38.7 | 16.4 | 3.3 |
| 47.5° | 0.0 | 0.7 | 18.4 | 1.3 | 0.0 |
| 50° | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.7 | 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)