

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: P1314462

Luminaire Tested: LDSQA3D09R259730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

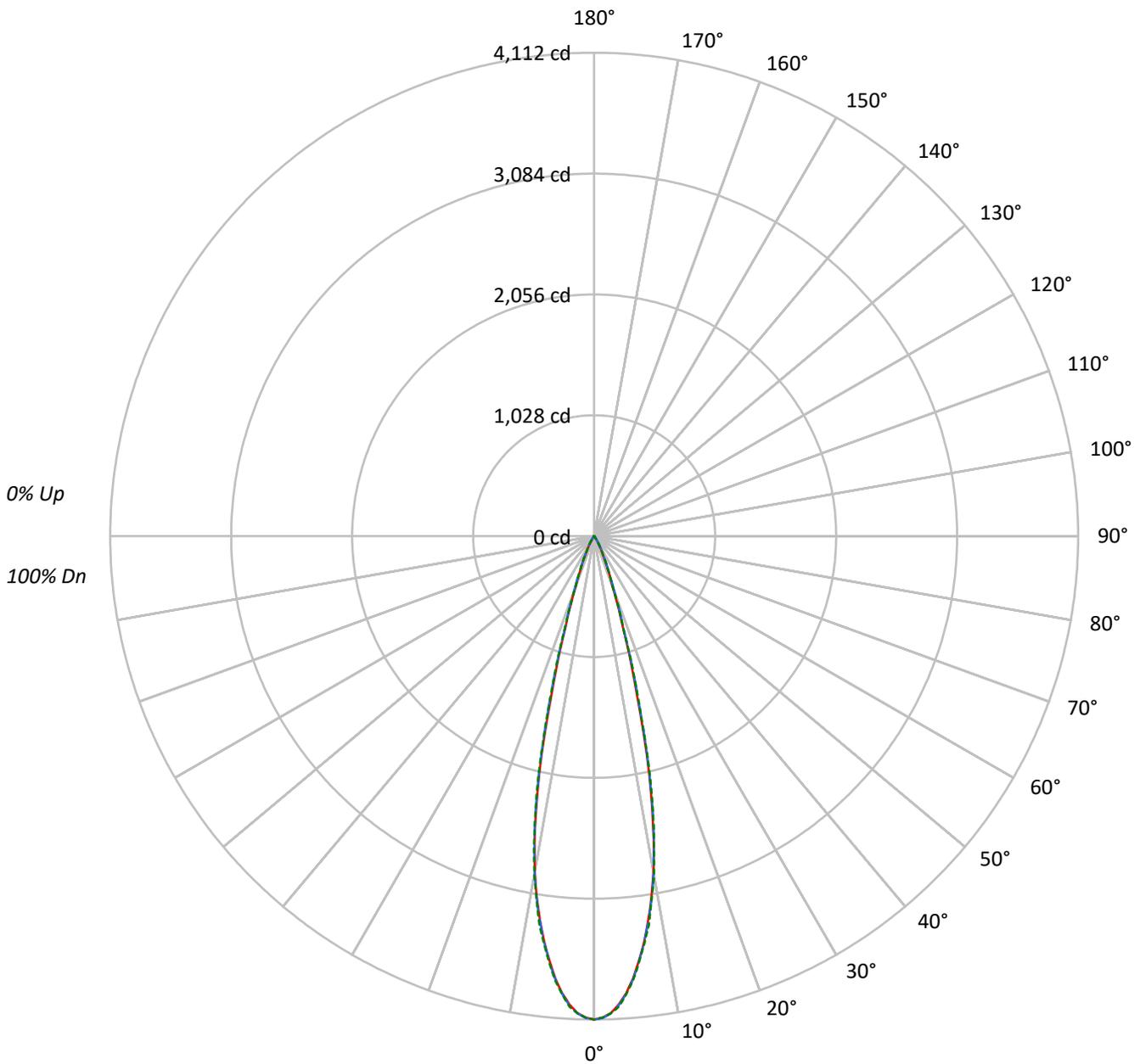
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 97 | 97 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 94 | 94 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 92 | 92 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | 89 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 87 | 87 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 84 | 84 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 82 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 80 | 80 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 78 | 78 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 77 | 77 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 708248 | 708248 | 708248 |
| 5° | 653039 | 654526 | 655891 |
| 10° | 507045 | 508882 | 511645 |
| 15° | 250580 | 261117 | 261224 |
| 20° | 84380 | 90025 | 86066 |
| 25° | 34946 | 38803 | 35934 |
| 30° | 13722 | 17242 | 13841 |
| 35° | 3595 | 7043 | 3721 |
| 40° | 1326 | 2810 | 1326 |
| 45° | 170 | 804 | 170 |
| 50° | 0 | 188 | 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: 804 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 333.2 | 38.9 |
| 10°-20° | 403.1 | 47.1 |
| 20°-30° | 98.4 | 11.5 |
| 30°-40° | 19.1 | 2.2 |
| 40°-50° | 2.2 | 0.3 |
| 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° | 834.7 | 97.5 |
| 0°-40° | 853.8 | 99.7 |
| 0°-60° | 856.0 | 100.0 |
| 0°-90° | 856.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 856.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4112 | 4112 | 4112 | 4112 | 4112 | |
| 5° | 3777 | 3783 | 3786 | 3802 | 3794 | 332 |
| 15° | 1405 | 1439 | 1464 | 1479 | 1465 | 396 |
| 25° | 184 | 194 | 204 | 196 | 189 | 94 |
| 35° | 17 | 24 | 34 | 24 | 18 | 15 |
| 45° | 1 | 2 | 3 | 2 | 1 | 1 |
| 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° | 4112.4 | 4112.4 | 4112.4 | 4112.4 | 4112.4 |
| 1° | 4096.6 | 4099.2 | 4099.9 | 4103.8 | 4095.9 |
| 2° | 4059.2 | 4059.8 | 4061.8 | 4069.7 | 4062.5 |
| 3° | 3990.2 | 3994.8 | 3995.5 | 4006.0 | 4007.9 |
| 4° | 3896.3 | 3898.9 | 3904.2 | 3921.9 | 3906.2 |
| 5° | 3777.4 | 3782.7 | 3786.0 | 3802.4 | 3793.9 |
| 6° | 3630.3 | 3631.6 | 3638.9 | 3657.9 | 3646.1 |
| 7° | 3480.6 | 3479.9 | 3480.6 | 3495.7 | 3492.4 |
| 8° | 3300.0 | 3296.7 | 3307.2 | 3325.6 | 3338.1 |
| 9° | 3111.5 | 3116.1 | 3122.7 | 3140.4 | 3126.0 |
| 10° | 2899.4 | 2911.9 | 2909.9 | 2911.2 | 2925.7 |
| 11° | 2655.1 | 2659.0 | 2659.7 | 2673.5 | 2671.5 |
| 12° | 2368.1 | 2368.1 | 2389.8 | 2412.1 | 2404.9 |
| 13° | 2078.5 | 2098.9 | 2084.4 | 2089.0 | 2117.9 |
| 14° | 1741.0 | 1756.7 | 1776.4 | 1794.8 | 1780.4 |
| 15° | 1405.4 | 1438.9 | 1464.5 | 1478.9 | 1465.1 |
| 17.5° | 805.1 | 816.3 | 838.0 | 840.6 | 832.1 |
| 20° | 460.4 | 474.1 | 491.2 | 486.0 | 469.6 |
| 22.5° | 289.6 | 293.6 | 310.6 | 302.1 | 298.1 |
| 25° | 183.9 | 193.7 | 204.2 | 195.7 | 189.1 |
| 27.5° | 114.3 | 120.8 | 132.0 | 122.8 | 115.6 |
| 30° | 69.0 | 74.9 | 86.7 | 74.2 | 69.6 |
| 32.5° | 36.1 | 44.7 | 54.5 | 45.3 | 36.1 |
| 35° | 17.1 | 24.3 | 33.5 | 24.3 | 17.7 |
| 37.5° | 10.5 | 13.1 | 20.4 | 13.1 | 10.5 |
| 40° | 5.9 | 8.5 | 12.5 | 8.5 | 5.9 |
| 42.5° | 2.6 | 4.6 | 5.9 | 4.6 | 3.3 |
| 45° | 0.7 | 2.0 | 3.3 | 2.0 | 0.7 |
| 47.5° | 0.0 | 0.0 | 2.0 | 0.7 | 0.0 |
| 50° | 0.0 | 0.0 | 0.7 | 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)