

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: P1316506

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

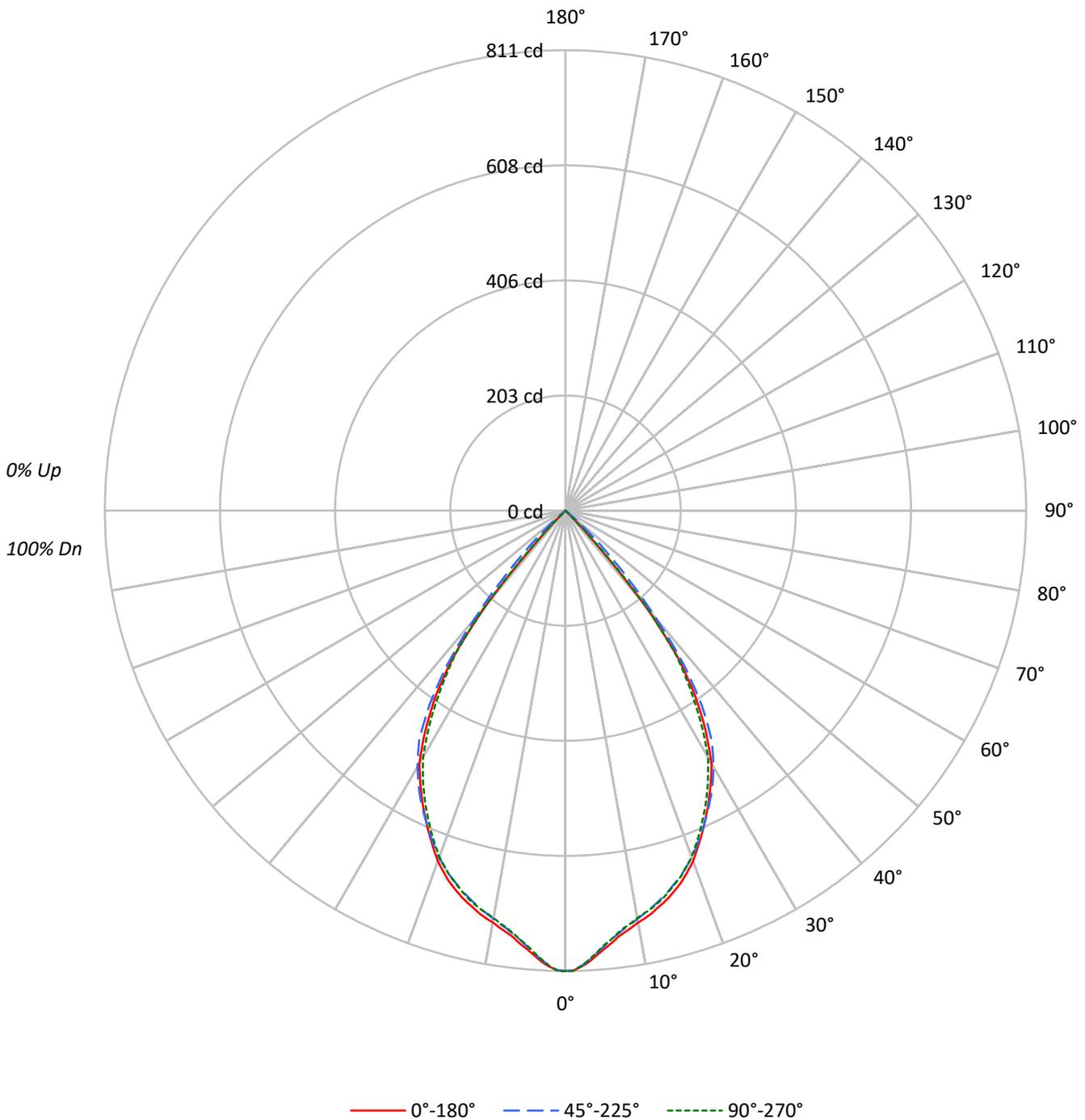
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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 | | | | |
| 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 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 86 | 86 | 86 | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 80 | 80 | 80 | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 | 74 | 74 | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 63 | 63 | 63 | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 59 | 59 | 59 | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | 55 | 55 | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | 51 | 51 | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 48 | 48 | 48 | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 139673 | 139673 | 139673 |
| 5° | 134069 | 133325 | 132962 |
| 10° | 128799 | 127679 | 127435 |
| 15° | 125736 | 123971 | 124220 |
| 20° | 120412 | 119239 | 118982 |
| 25° | 111774 | 112040 | 110291 |
| 30° | 102296 | 103708 | 99751 |
| 35° | 83678 | 87714 | 80398 |
| 40° | 48179 | 56138 | 49438 |
| 45° | 682 | 23333 | 2411 |
| 50° | 0 | 2465 | 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: 23333 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.4 | 8.6 |
| 10°-20° | 196.1 | 23.4 |
| 20°-30° | 269.3 | 32.1 |
| 30°-40° | 244.2 | 29.1 |
| 40°-50° | 56.8 | 6.8 |
| 50°-60° | 0.3 | 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° | 537.7 | 64.1 |
| 0°-40° | 782.0 | 93.2 |
| 0°-60° | 839.0 | 100.0 |
| 0°-90° | 839.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 839.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 811 | 811 | 811 | 811 | 811 | |
| 5° | 776 | 773 | 771 | 770 | 769 | 73 |
| 15° | 705 | 700 | 695 | 695 | 697 | 198 |
| 25° | 588 | 591 | 590 | 584 | 580 | 270 |
| 35° | 398 | 404 | 417 | 400 | 382 | 239 |
| 45° | 3 | 32 | 96 | 41 | 10 | 34 |
| 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: P1316506
 CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 811.0 | 811.0 | 811.0 | 811.0 | 811.0 |
| 1° | 810.3 | 808.8 | 809.5 | 810.3 | 811.0 |
| 2° | 803.9 | 802.5 | 802.5 | 803.2 | 803.2 |
| 3° | 796.1 | 793.2 | 793.2 | 792.5 | 792.5 |
| 4° | 785.4 | 783.3 | 781.9 | 781.2 | 781.2 |
| 5° | 775.5 | 773.4 | 771.2 | 769.8 | 769.1 |
| 6° | 767.0 | 763.4 | 760.6 | 759.9 | 760.6 |
| 7° | 757.0 | 754.9 | 752.1 | 749.9 | 750.7 |
| 8° | 749.9 | 747.1 | 743.6 | 742.1 | 742.1 |
| 9° | 743.6 | 740.7 | 737.2 | 734.3 | 735.8 |
| 10° | 736.5 | 733.6 | 730.1 | 728.0 | 728.7 |
| 11° | 731.5 | 728.0 | 723.7 | 722.3 | 723.0 |
| 12° | 725.8 | 721.6 | 717.3 | 716.6 | 718.0 |
| 13° | 718.7 | 714.5 | 710.2 | 710.2 | 711.6 |
| 14° | 712.3 | 707.4 | 703.1 | 703.1 | 705.2 |
| 15° | 705.2 | 700.3 | 695.3 | 695.3 | 696.7 |
| 17.5° | 684.0 | 679.7 | 674.7 | 674.7 | 675.5 |
| 20° | 657.0 | 654.9 | 650.6 | 648.5 | 649.2 |
| 22.5° | 622.9 | 622.9 | 620.8 | 617.3 | 615.9 |
| 25° | 588.2 | 591.0 | 589.6 | 583.9 | 580.4 |
| 27.5° | 552.0 | 557.0 | 557.7 | 549.2 | 542.8 |
| 30° | 514.4 | 518.6 | 521.5 | 511.6 | 501.6 |
| 32.5° | 459.1 | 471.8 | 478.9 | 465.4 | 444.9 |
| 35° | 398.0 | 403.7 | 417.2 | 399.5 | 382.4 |
| 37.5° | 323.5 | 330.6 | 342.0 | 327.8 | 317.9 |
| 40° | 214.3 | 242.7 | 249.7 | 242.7 | 219.9 |
| 42.5° | 77.3 | 136.2 | 163.9 | 139.1 | 90.8 |
| 45° | 2.8 | 31.9 | 95.8 | 41.2 | 9.9 |
| 47.5° | 0.0 | 0.7 | 43.3 | 1.4 | 0.0 |
| 50° | 0.0 | 0.0 | 9.2 | 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)