

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: P1315534

Luminaire Tested: LDSQA3D09R709735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315534
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: LDSQA3D09R709735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

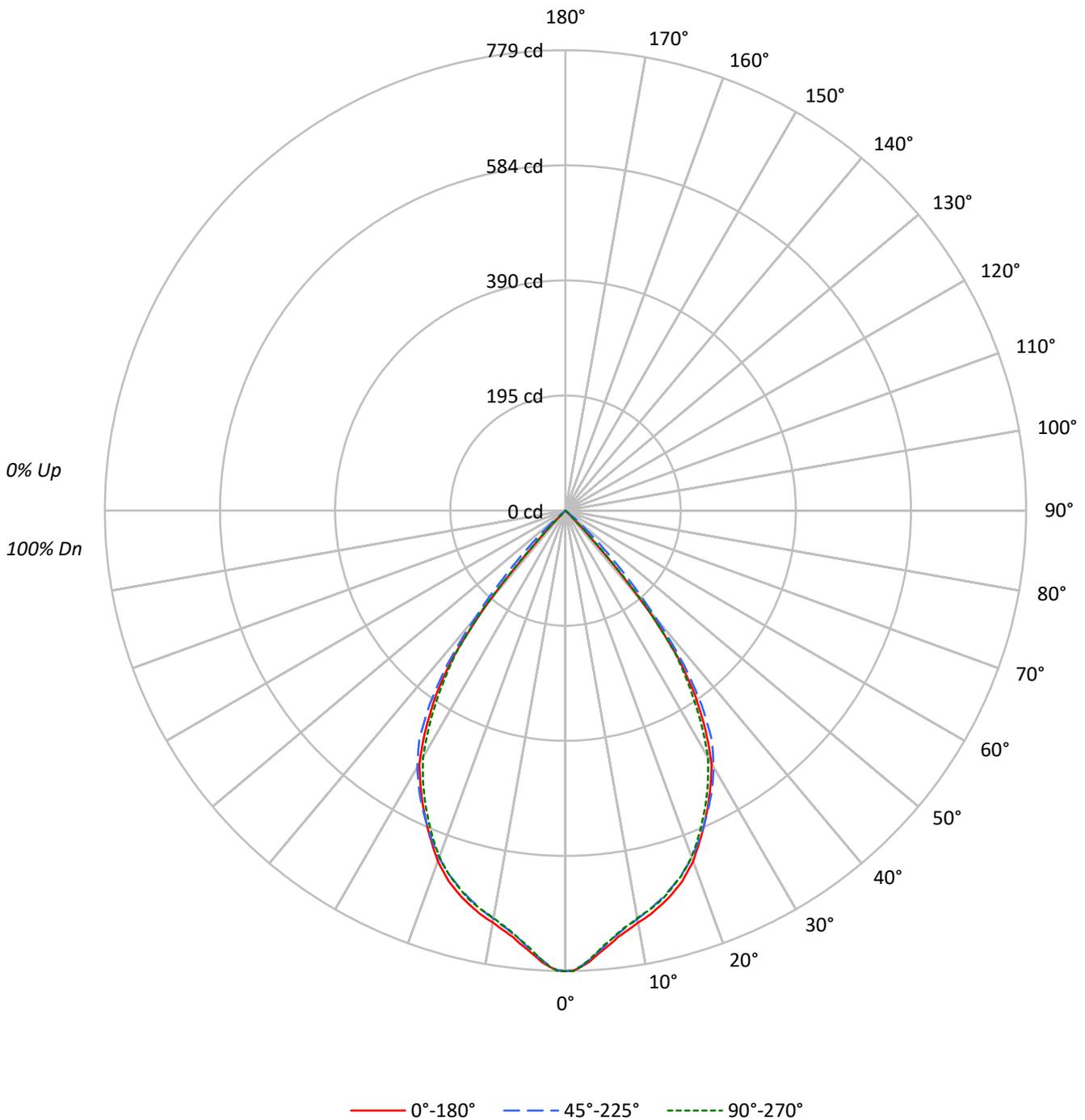
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 806.0 lumens
Efficiency: N/A
Efficacy: 72.6 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 |
| 1 | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | | | 93 |
| 2 | 108 | 103 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 86 | | | 86 |
| 3 | 102 | 95 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 84 | 81 | 80 | | | 80 |
| 4 | 96 | 89 | 83 | 79 | 95 | 88 | 82 | 78 | 85 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 | | | 74 |
| 5 | 91 | 83 | 77 | 72 | 90 | 82 | 76 | 72 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 68 | | | 68 |
| 6 | 86 | 77 | 71 | 67 | 85 | 76 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 63 | | | 63 |
| 7 | 82 | 72 | 66 | 62 | 80 | 71 | 66 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 59 | | | 59 |
| 8 | 78 | 68 | 61 | 57 | 76 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 55 | | | 55 |
| 9 | 74 | 63 | 57 | 53 | 72 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | | | 51 |
| 10 | 70 | 60 | 54 | 50 | 69 | 59 | 53 | 50 | 58 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 48 | | | 48 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 134179 | 134179 | 134179 |
| 5° | 128796 | 128087 | 127741 |
| 10° | 123727 | 122660 | 122416 |
| 15° | 120797 | 119103 | 119335 |
| 20° | 115683 | 114547 | 114309 |
| 25° | 107365 | 107631 | 105940 |
| 30° | 98279 | 99632 | 95833 |
| 35° | 80398 | 84266 | 77244 |
| 40° | 46268 | 53934 | 47505 |
| 45° | 658 | 22407 | 2314 |
| 50° | 0 | 2385 | 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: 22407 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.5 | 8.6 |
| 10°-20° | 188.3 | 23.4 |
| 20°-30° | 258.7 | 32.1 |
| 30°-40° | 234.6 | 29.1 |
| 40°-50° | 54.5 | 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° | 516.6 | 64.1 |
| 0°-40° | 751.2 | 93.2 |
| 0°-60° | 806.0 | 100.0 |
| 0°-90° | 806.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 806.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 779 | 779 | 779 | 779 | 779 | |
| 5° | 745 | 743 | 741 | 740 | 739 | 70 |
| 15° | 678 | 673 | 668 | 668 | 669 | 190 |
| 25° | 565 | 568 | 566 | 561 | 558 | 259 |
| 35° | 382 | 388 | 401 | 384 | 367 | 230 |
| 45° | 3 | 31 | 92 | 40 | 10 | 33 |
| 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: P1315534
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 779.1 | 779.1 | 779.1 | 779.1 | 779.1 |
| 1° | 778.4 | 777.0 | 777.7 | 778.4 | 779.1 |
| 2° | 772.3 | 770.9 | 770.9 | 771.6 | 771.6 |
| 3° | 764.8 | 762.0 | 762.0 | 761.3 | 761.3 |
| 4° | 754.5 | 752.5 | 751.1 | 750.4 | 750.4 |
| 5° | 745.0 | 742.9 | 740.9 | 739.5 | 738.9 |
| 6° | 736.8 | 733.4 | 730.7 | 730.0 | 730.7 |
| 7° | 727.3 | 725.2 | 722.5 | 720.5 | 721.1 |
| 8° | 720.5 | 717.7 | 714.3 | 713.0 | 713.0 |
| 9° | 714.3 | 711.6 | 708.2 | 705.5 | 706.8 |
| 10° | 707.5 | 704.8 | 701.4 | 699.3 | 700.0 |
| 11° | 702.7 | 699.3 | 695.2 | 693.9 | 694.6 |
| 12° | 697.3 | 693.2 | 689.1 | 688.4 | 689.8 |
| 13° | 690.5 | 686.4 | 682.3 | 682.3 | 683.6 |
| 14° | 684.3 | 679.6 | 675.5 | 675.5 | 677.5 |
| 15° | 677.5 | 672.7 | 668.0 | 668.0 | 669.3 |
| 17.5° | 657.1 | 653.0 | 648.2 | 648.2 | 648.9 |
| 20° | 631.2 | 629.1 | 625.0 | 623.0 | 623.7 |
| 22.5° | 598.4 | 598.4 | 596.4 | 593.0 | 591.6 |
| 25° | 565.0 | 567.8 | 566.4 | 561.0 | 557.5 |
| 27.5° | 530.3 | 535.1 | 535.7 | 527.6 | 521.4 |
| 30° | 494.2 | 498.2 | 501.0 | 491.4 | 481.9 |
| 32.5° | 441.0 | 453.3 | 460.1 | 447.1 | 427.4 |
| 35° | 382.4 | 387.8 | 400.8 | 383.7 | 367.4 |
| 37.5° | 310.8 | 317.6 | 328.5 | 314.9 | 305.4 |
| 40° | 205.8 | 233.1 | 239.9 | 233.1 | 211.3 |
| 42.5° | 74.3 | 130.9 | 157.4 | 133.6 | 87.2 |
| 45° | 2.7 | 30.7 | 92.0 | 39.5 | 9.5 |
| 47.5° | 0.0 | 0.7 | 41.6 | 1.4 | 0.0 |
| 50° | 0.0 | 0.0 | 8.9 | 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)