

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: P1306881

Luminaire Tested: LDSQA3D05R509024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

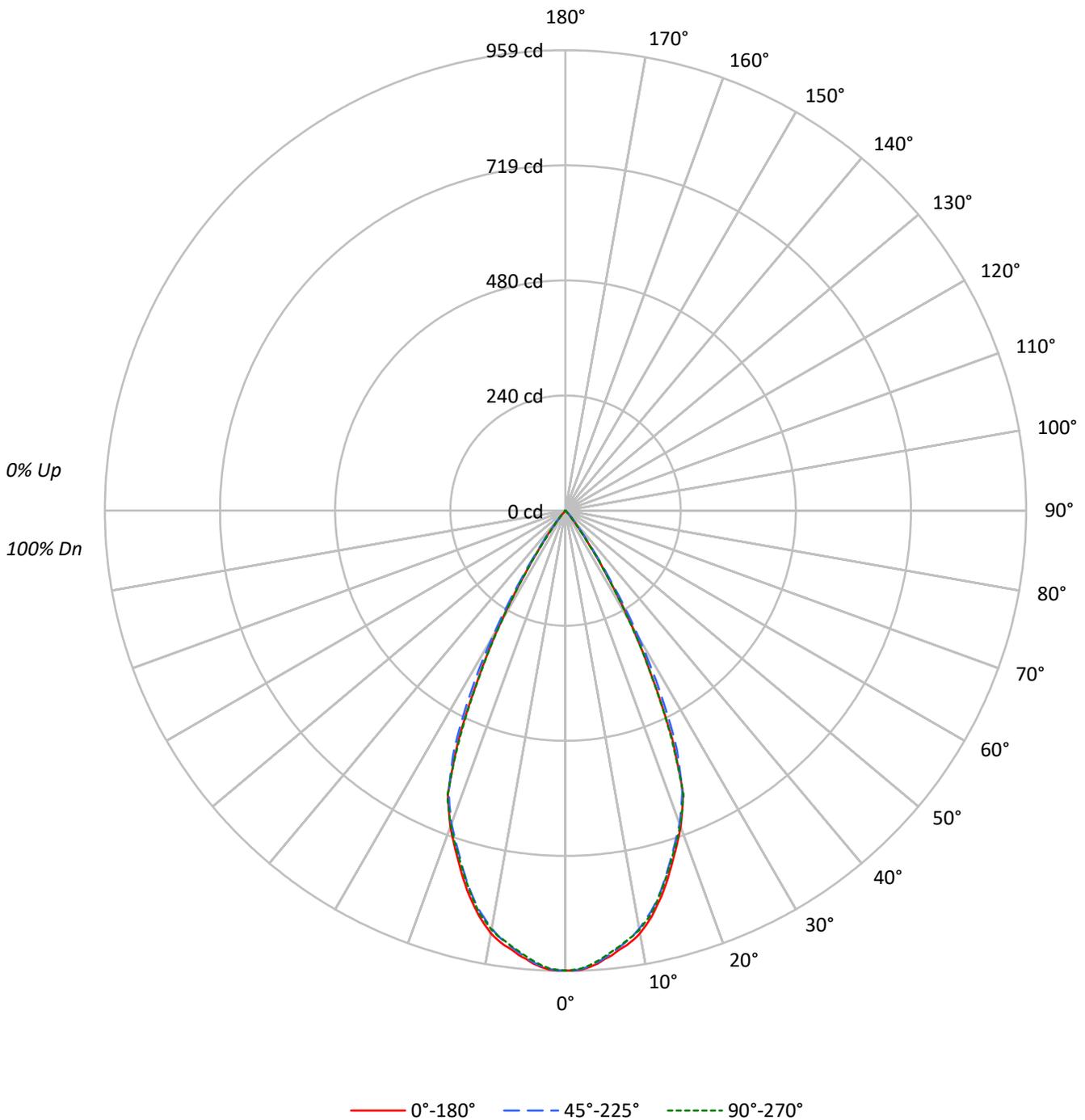
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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 (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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 97 | 97 | 97 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 95 | 97 | 95 | 93 | 95 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 93 | 88 | 85 | 90 | 87 | 84 | 89 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 165007 | 165007 | 165007 |
| 5° | 162127 | 161678 | 161211 |
| 10° | 156377 | 154663 | 154978 |
| 15° | 143851 | 142032 | 142424 |
| 20° | 128439 | 127230 | 127963 |
| 25° | 99973 | 104154 | 98871 |
| 30° | 54151 | 60475 | 53197 |
| 35° | 17072 | 20331 | 16693 |
| 40° | 3777 | 5261 | 3575 |
| 45° | 97 | 1607 | 97 |
| 50° | 0 | 241 | 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: 1607 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.8 | 14.2 |
| 10°-20° | 223.0 | 36.1 |
| 20°-30° | 234.9 | 38.1 |
| 30°-40° | 67.1 | 10.9 |
| 40°-50° | 4.2 | 0.7 |
| 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° | 545.7 | 88.4 |
| 0°-40° | 612.8 | 99.3 |
| 0°-60° | 617.0 | 100.0 |
| 0°-90° | 617.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 617.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 958 | 958 | 958 | 958 | 958 | |
| 5° | 938 | 937 | 935 | 934 | 932 | 88 |
| 15° | 807 | 802 | 797 | 798 | 799 | 225 |
| 25° | 526 | 546 | 548 | 542 | 520 | 230 |
| 35° | 81 | 87 | 97 | 82 | 79 | 63 |
| 45° | 0 | 2 | 7 | 2 | 0 | 3 |
| 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: P1306881

CATALOG NUMBER: LDSQA3D05R509024DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 958.1 | 958.1 | 958.1 | 958.1 | 958.1 |
| 1° | 958.6 | 959.0 | 958.1 | 959.0 | 956.8 |
| 2° | 957.3 | 956.4 | 955.5 | 955.9 | 954.6 |
| 3° | 952.4 | 952.0 | 950.2 | 950.6 | 948.9 |
| 4° | 946.2 | 944.9 | 943.6 | 942.7 | 940.9 |
| 5° | 937.8 | 937.0 | 935.2 | 934.3 | 932.5 |
| 6° | 930.8 | 929.0 | 925.9 | 925.0 | 923.3 |
| 7° | 921.5 | 920.6 | 916.7 | 915.8 | 914.9 |
| 8° | 914.5 | 911.8 | 907.0 | 907.4 | 905.2 |
| 9° | 905.2 | 901.7 | 896.8 | 896.8 | 897.2 |
| 10° | 894.2 | 888.9 | 884.4 | 885.8 | 886.2 |
| 11° | 879.6 | 876.1 | 869.4 | 872.5 | 872.5 |
| 12° | 863.7 | 859.3 | 854.4 | 857.1 | 858.8 |
| 13° | 845.2 | 841.6 | 837.2 | 839.9 | 839.0 |
| 14° | 827.1 | 820.4 | 817.4 | 820.9 | 819.6 |
| 15° | 806.8 | 801.5 | 796.6 | 797.9 | 798.8 |
| 17.5° | 752.5 | 746.7 | 743.2 | 743.7 | 747.6 |
| 20° | 700.8 | 698.6 | 694.2 | 696.0 | 698.2 |
| 22.5° | 639.9 | 640.8 | 635.5 | 636.9 | 642.1 |
| 25° | 526.1 | 545.5 | 548.1 | 542.0 | 520.3 |
| 27.5° | 389.7 | 418.8 | 427.7 | 413.5 | 387.1 |
| 30° | 272.3 | 280.3 | 304.1 | 277.2 | 267.5 |
| 32.5° | 159.8 | 171.7 | 184.5 | 165.9 | 159.3 |
| 35° | 81.2 | 86.9 | 96.7 | 82.1 | 79.4 |
| 37.5° | 37.5 | 40.2 | 44.1 | 37.5 | 35.3 |
| 40° | 16.8 | 19.9 | 23.4 | 19.0 | 15.9 |
| 42.5° | 5.3 | 9.3 | 12.4 | 8.4 | 4.9 |
| 45° | 0.4 | 2.2 | 6.6 | 2.2 | 0.4 |
| 47.5° | 0.0 | 0.4 | 2.6 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.9 | 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)