

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: P1312474

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

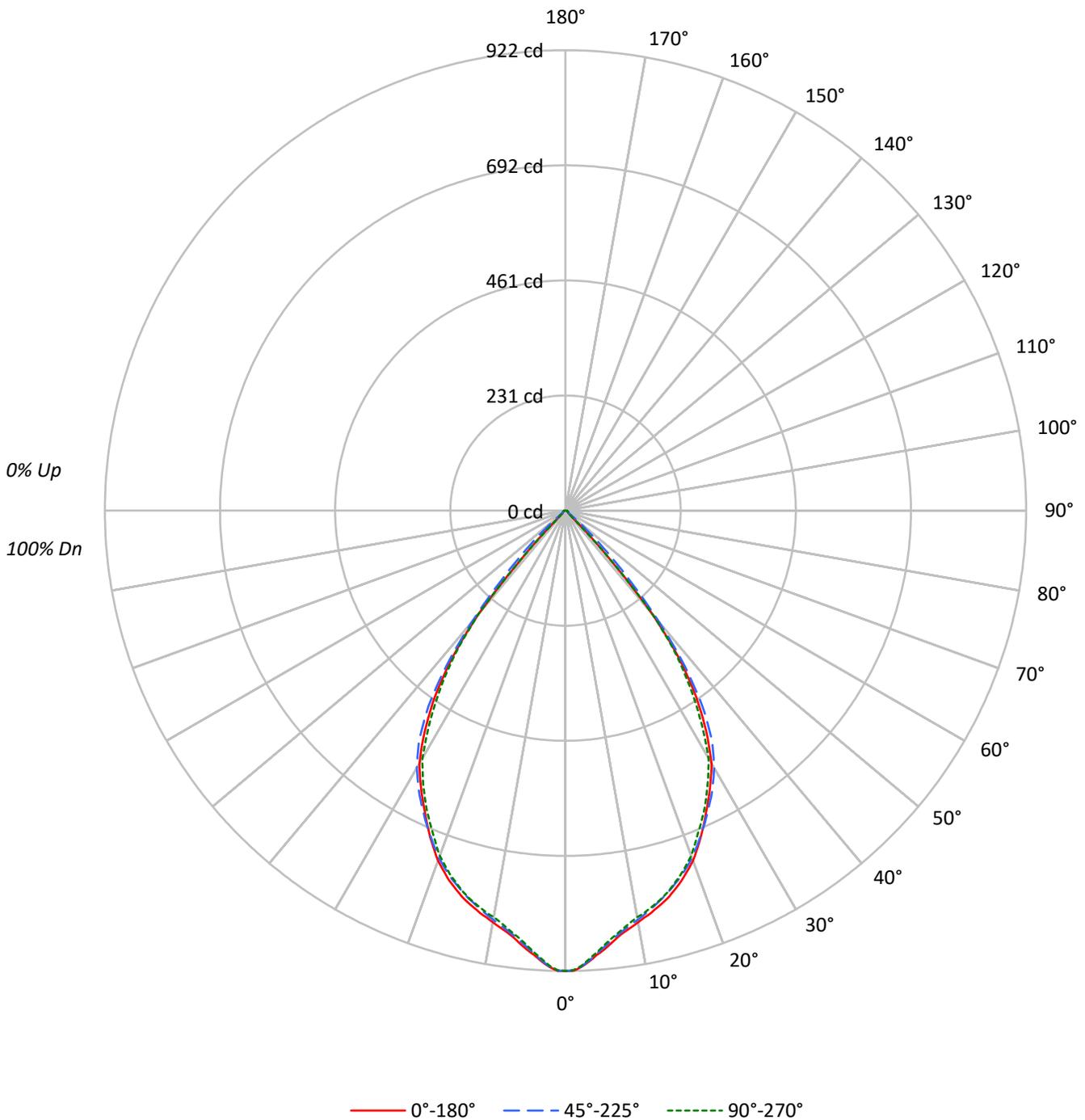
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 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 (A_{in}): 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

TEST NUMBER: P1312474
CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312474

CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCDR1MW

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 | 102 | 102 | 102 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 5 | 91 | 82 | 75 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 69 | 69 | 69 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 51 | 51 | 51 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 158772 | 158772 | 158772 |
| 5° | 152619 | 151789 | 151236 |
| 10° | 146409 | 145570 | 144590 |
| 15° | 142728 | 141159 | 141016 |
| 20° | 136760 | 135734 | 134854 |
| 25° | 126615 | 127527 | 125095 |
| 30° | 116297 | 118365 | 113910 |
| 35° | 95914 | 100434 | 92213 |
| 40° | 61061 | 65738 | 61061 |
| 45° | 4287 | 28399 | 4676 |
| 50° | 1929 | 5787 | 1929 |
| 55° | 2162 | 2162 | 2162 |
| 60° | 2204 | 2204 | 2204 |
| 65° | 1956 | 2282 | 1956 |
| 70° | 2014 | 2417 | 2014 |
| 75° | 2129 | 2129 | 2129 |
| 80° | 2380 | 2380 | 2380 |
| 85° | 1581 | 3162 | 1581 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 28399 cd/sqm



TEST NUMBER: P1312474

CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCDR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.3 | 8.4 |
| 10°-20° | 222.7 | 22.7 |
| 20°-30° | 306.1 | 31.1 |
| 30°-40° | 280.4 | 28.5 |
| 40°-50° | 74.4 | 7.6 |
| 50°-60° | 6.7 | 0.7 |
| 60°-70° | 5.4 | 0.6 |
| 70°-80° | 3.6 | 0.4 |
| 80°-90° | 1.4 | 0.1 |
| 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° | 611.1 | 62.2 |
| 0°-40° | 891.6 | 90.7 |
| 0°-60° | 972.6 | 98.9 |
| 0°-90° | 983.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 983.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 922 | 922 | 922 | 922 | 922 | |
| 5° | 883 | 879 | 878 | 876 | 875 | 83 |
| 15° | 800 | 793 | 792 | 792 | 791 | 225 |
| 25° | 666 | 669 | 671 | 663 | 658 | 306 |
| 35° | 456 | 463 | 478 | 456 | 439 | 277 |
| 45° | 18 | 60 | 117 | 61 | 19 | 53 |
| 55° | 7 | 7 | 7 | 7 | 7 | 6 |
| 65° | 5 | 6 | 6 | 6 | 5 | 5 |
| 75° | 3 | 3 | 3 | 3 | 3 | 3 |
| 85° | 1 | 2 | 2 | 2 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312474

CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 921.9 | 921.9 | 921.9 | 921.9 | 921.9 |
| 1° | 921.9 | 920.3 | 921.9 | 921.9 | 920.3 |
| 2° | 914.7 | 913.1 | 913.9 | 913.1 | 912.3 |
| 3° | 904.3 | 901.9 | 902.7 | 901.1 | 899.5 |
| 4° | 892.4 | 890.0 | 890.0 | 889.2 | 887.6 |
| 5° | 882.8 | 878.8 | 878.0 | 876.4 | 874.8 |
| 6° | 871.6 | 867.6 | 866.8 | 864.4 | 862.8 |
| 7° | 860.4 | 857.2 | 856.4 | 853.2 | 853.2 |
| 8° | 851.6 | 847.6 | 847.6 | 843.6 | 843.6 |
| 9° | 844.4 | 839.6 | 839.6 | 836.4 | 834.8 |
| 10° | 837.2 | 832.4 | 832.4 | 828.4 | 826.8 |
| 11° | 830.0 | 826.0 | 824.5 | 822.1 | 821.3 |
| 12° | 823.7 | 818.1 | 816.5 | 815.7 | 814.1 |
| 13° | 815.7 | 810.1 | 808.5 | 807.7 | 806.9 |
| 14° | 808.5 | 801.3 | 800.5 | 798.9 | 799.7 |
| 15° | 800.5 | 793.3 | 791.7 | 791.7 | 790.9 |
| 17.5° | 775.7 | 770.9 | 768.5 | 766.9 | 765.3 |
| 20° | 746.2 | 742.2 | 740.6 | 737.4 | 735.8 |
| 22.5° | 707.8 | 707.0 | 706.2 | 702.2 | 695.8 |
| 25° | 666.3 | 668.7 | 671.1 | 663.1 | 658.3 |
| 27.5° | 626.3 | 632.7 | 635.1 | 627.1 | 616.7 |
| 30° | 584.8 | 590.4 | 595.2 | 584.0 | 572.8 |
| 32.5° | 524.9 | 538.4 | 545.6 | 532.9 | 507.3 |
| 35° | 456.2 | 463.4 | 477.7 | 456.2 | 438.6 |
| 37.5° | 376.3 | 380.3 | 391.5 | 377.1 | 365.1 |
| 40° | 271.6 | 283.6 | 292.4 | 283.6 | 271.6 |
| 42.5° | 122.2 | 171.0 | 193.3 | 180.5 | 127.8 |
| 45° | 17.6 | 59.9 | 116.6 | 60.7 | 19.2 |
| 47.5° | 7.2 | 9.6 | 60.7 | 8.8 | 7.2 |
| 50° | 7.2 | 7.2 | 21.6 | 7.2 | 7.2 |
| 52.5° | 7.2 | 7.2 | 8.0 | 7.2 | 7.2 |
| 55° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 57.5° | 6.4 | 6.4 | 7.2 | 6.4 | 6.4 |
| 60° | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 62.5° | 5.6 | 6.4 | 6.4 | 6.4 | 5.6 |
| 65° | 4.8 | 5.6 | 5.6 | 5.6 | 4.8 |
| 67.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 70° | 4.0 | 4.8 | 4.8 | 4.8 | 4.0 |
| 72.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 75° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 77.5° | 2.4 | 3.2 | 3.2 | 3.2 | 2.4 |
| 80° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 0.8 | 1.6 | 1.6 | 1.6 | 0.8 |
| 87.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |



TEST NUMBER: P1312474
CATALOG NUMBER: LDSQA3D09R709050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)