

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: P1307949

Luminaire Tested: LDSQA3D09R259027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

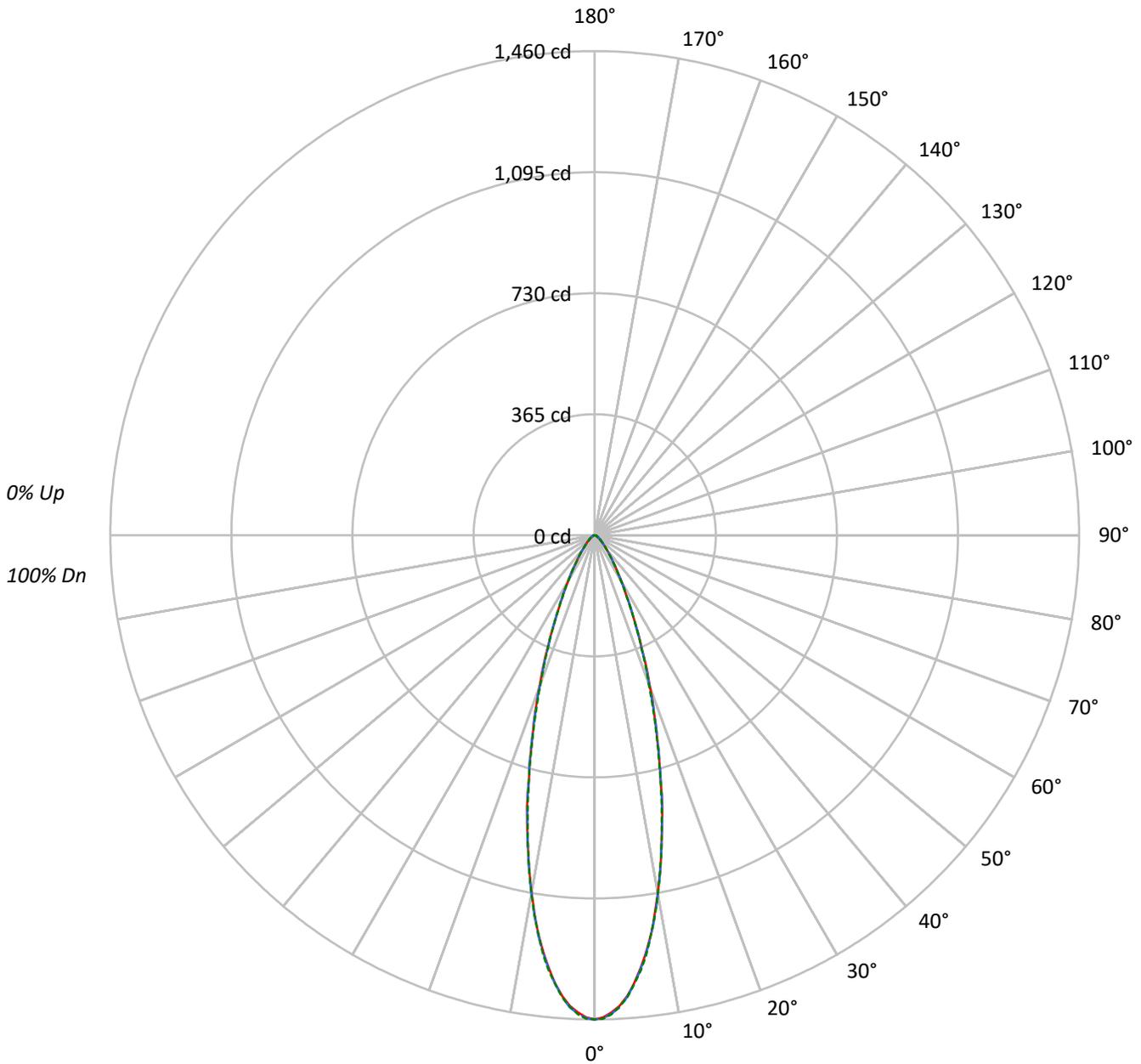
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 585.0 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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°-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 | 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 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 92 | 90 | 93 | 92 | 90 | 88 |
| 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 89 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 83 | 89 | 85 | 82 | 87 | 84 | 81 | 85 | 82 | 80 | 85 | 82 | 80 | 79 |
| 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 82 | 78 | 76 | 74 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 73 | 81 | 76 | 73 | 79 | 76 | 72 | 78 | 75 | 72 | 78 | 75 | 72 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 78 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 69 | 75 | 71 | 69 | 67 |
| 8 | 84 | 76 | 70 | 67 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 66 | 72 | 68 | 66 | 72 | 68 | 66 | 64 |
| 9 | 81 | 72 | 67 | 64 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 66 | 63 | 69 | 66 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 251445 | 251445 | 251445 |
| 5° | 234703 | 234927 | 235048 |
| 10° | 191441 | 192035 | 192035 |
| 15° | 136737 | 137468 | 136737 |
| 20° | 89493 | 88614 | 87367 |
| 25° | 53207 | 53454 | 53207 |
| 30° | 32057 | 32057 | 31918 |
| 35° | 19532 | 19679 | 19532 |
| 40° | 12433 | 12590 | 12590 |
| 45° | 8646 | 8646 | 8646 |
| 50° | 6216 | 6404 | 6404 |
| 55° | 4924 | 4924 | 5134 |
| 60° | 3996 | 4237 | 4237 |
| 65° | 3627 | 3627 | 3627 |
| 70° | 3072 | 3072 | 3424 |
| 75° | 2728 | 2728 | 3194 |
| 80° | 2678 | 2678 | 2678 |
| 85° | 1383 | 1383 | 1383 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8646 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 121.3 | 20.7 |
| 10°-20° | 211.5 | 36.2 |
| 20°-30° | 133.0 | 22.7 |
| 30°-40° | 60.8 | 10.4 |
| 40°-50° | 28.4 | 4.9 |
| 50°-60° | 15.3 | 2.6 |
| 60°-70° | 9.0 | 1.5 |
| 70°-80° | 4.7 | 0.8 |
| 80°-90° | 1.0 | 0.2 |
| 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° | 465.8 | 79.6 |
| 0°-40° | 526.6 | 90.0 |
| 0°-60° | 570.3 | 97.5 |
| 0°-90° | 585.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 585.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1460 | 1460 | 1460 | 1460 | 1460 | |
| 5° | 1358 | 1360 | 1359 | 1360 | 1360 | 121 |
| 15° | 767 | 772 | 771 | 772 | 767 | 211 |
| 25° | 280 | 283 | 281 | 281 | 280 | 133 |
| 35° | 93 | 93 | 94 | 94 | 93 | 61 |
| 45° | 36 | 36 | 36 | 36 | 36 | 28 |
| 55° | 16 | 16 | 16 | 17 | 17 | 15 |
| 65° | 9 | 9 | 9 | 9 | 9 | 9 |
| 75° | 4 | 4 | 4 | 5 | 5 | 5 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307949

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1460.0 | 1460.0 | 1460.0 | 1460.0 | 1460.0 |
| 1° | 1453.9 | 1455.2 | 1456.6 | 1458.6 | 1458.0 |
| 2° | 1440.2 | 1442.9 | 1443.6 | 1446.3 | 1445.7 |
| 3° | 1421.8 | 1421.1 | 1426.5 | 1426.5 | 1423.1 |
| 4° | 1393.1 | 1394.4 | 1395.8 | 1397.2 | 1397.9 |
| 5° | 1357.6 | 1360.3 | 1358.9 | 1360.3 | 1359.6 |
| 6° | 1313.9 | 1318.0 | 1317.3 | 1318.6 | 1320.7 |
| 7° | 1267.4 | 1270.2 | 1270.2 | 1268.8 | 1274.3 |
| 8° | 1216.9 | 1214.8 | 1218.3 | 1216.9 | 1216.2 |
| 9° | 1156.8 | 1160.9 | 1161.6 | 1158.2 | 1159.5 |
| 10° | 1094.7 | 1097.4 | 1098.1 | 1100.1 | 1098.1 |
| 11° | 1033.2 | 1033.2 | 1034.6 | 1038.0 | 1032.5 |
| 12° | 966.3 | 972.4 | 966.3 | 969.0 | 966.3 |
| 13° | 902.8 | 904.1 | 902.8 | 902.1 | 897.3 |
| 14° | 842.7 | 837.9 | 839.3 | 833.8 | 834.5 |
| 15° | 766.9 | 771.7 | 771.0 | 772.3 | 766.9 |
| 17.5° | 616.6 | 619.4 | 618.7 | 617.3 | 610.5 |
| 20° | 488.3 | 488.3 | 483.5 | 480.7 | 476.7 |
| 22.5° | 372.9 | 371.5 | 369.4 | 367.4 | 368.8 |
| 25° | 280.0 | 283.4 | 281.3 | 281.3 | 280.0 |
| 27.5° | 211.7 | 215.8 | 212.4 | 210.3 | 211.7 |
| 30° | 161.2 | 162.5 | 161.2 | 160.5 | 160.5 |
| 32.5° | 121.6 | 122.2 | 121.6 | 121.6 | 121.6 |
| 35° | 92.9 | 92.9 | 93.6 | 93.6 | 92.9 |
| 37.5° | 71.7 | 71.7 | 71.7 | 71.7 | 72.4 |
| 40° | 55.3 | 56.0 | 56.0 | 56.0 | 56.0 |
| 42.5° | 43.7 | 44.4 | 44.4 | 44.4 | 44.4 |
| 45° | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| 47.5° | 28.7 | 28.7 | 28.7 | 28.7 | 29.4 |
| 50° | 23.2 | 23.9 | 23.9 | 23.9 | 23.9 |
| 52.5° | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 |
| 55° | 16.4 | 16.4 | 16.4 | 17.1 | 17.1 |
| 57.5° | 13.7 | 13.7 | 14.3 | 14.3 | 14.3 |
| 60° | 11.6 | 12.3 | 12.3 | 12.3 | 12.3 |
| 62.5° | 10.2 | 10.2 | 10.9 | 10.9 | 10.9 |
| 65° | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 67.5° | 7.5 | 7.5 | 7.5 | 7.5 | 8.2 |
| 70° | 6.1 | 6.1 | 6.1 | 6.8 | 6.8 |
| 72.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 75° | 4.1 | 4.1 | 4.1 | 4.8 | 4.8 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 82.5° | 1.4 | 1.4 | 2.0 | 2.0 | 2.0 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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)