

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: P1325905

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQPHRL1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

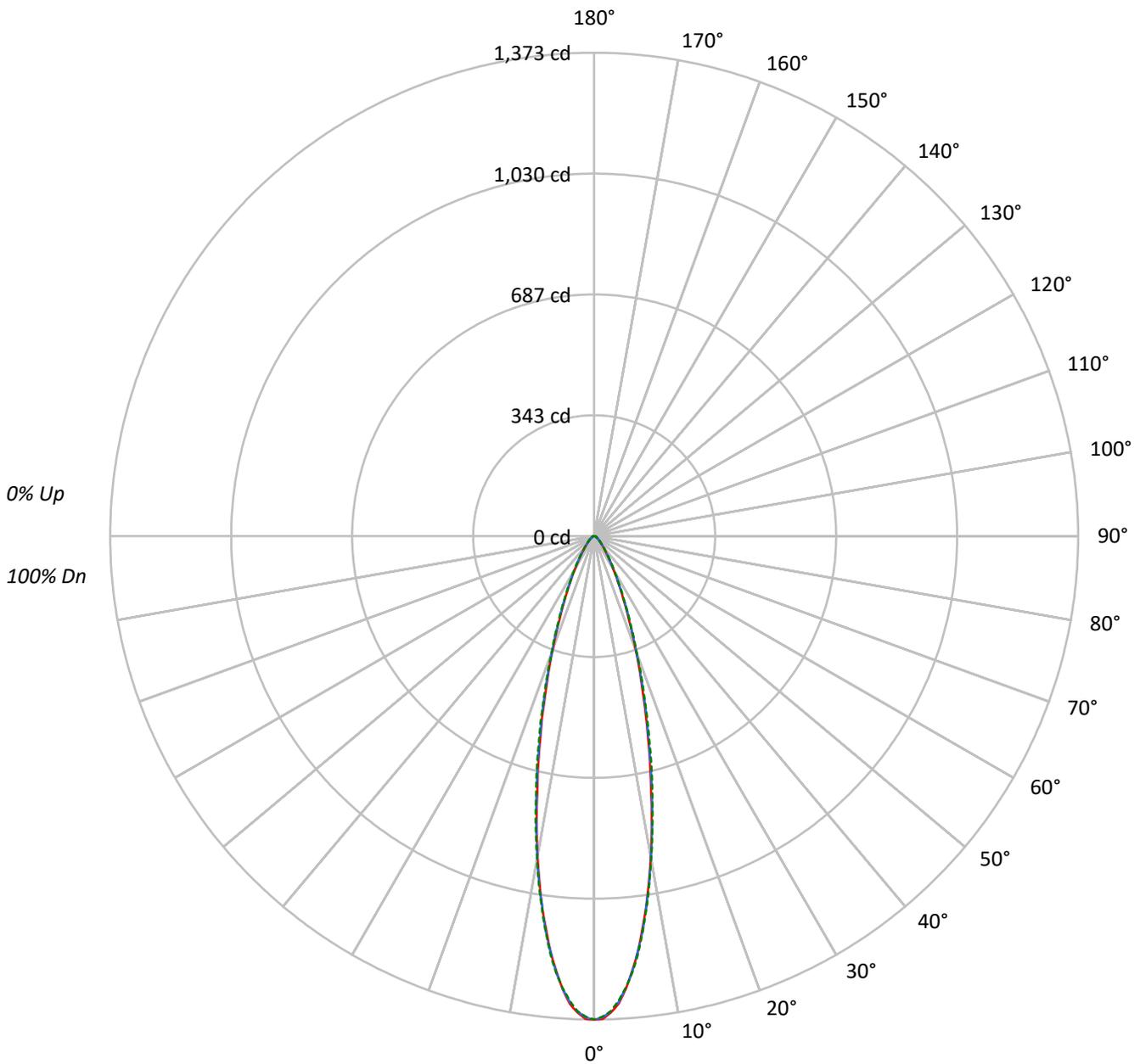
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 454.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 97 | 94 | 92 | 94 | 92 | 90 | 90 | 90 | 90 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 85 | 85 | 85 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 78 | 83 | 79 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 79 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 74 | 70 | 67 | 67 | 67 | 67 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 65 | 65 | 65 | 64 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 236444 | 236444 | 236444 |
| 5° | 214164 | 214562 | 214873 |
| 10° | 161694 | 162096 | 162918 |
| 15° | 104875 | 106016 | 108102 |
| 20° | 63138 | 63890 | 64751 |
| 25° | 36884 | 37663 | 38214 |
| 30° | 21676 | 22372 | 22730 |
| 35° | 13351 | 13855 | 14086 |
| 40° | 8790 | 9038 | 9173 |
| 45° | 6113 | 6259 | 6381 |
| 50° | 4528 | 4689 | 4850 |
| 55° | 3663 | 3843 | 3843 |
| 60° | 3203 | 3203 | 3203 |
| 65° | 2853 | 2853 | 2853 |
| 70° | 2367 | 2618 | 2618 |
| 75° | 2329 | 2329 | 2329 |
| 80° | 1686 | 2281 | 2281 |
| 85° | 1186 | 1186 | 1186 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 6381 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 108.1 | 23.8 |
| 10°-20° | 165.4 | 36.4 |
| 20°-30° | 94.0 | 20.7 |
| 30°-40° | 42.9 | 9.4 |
| 40°-50° | 20.6 | 4.5 |
| 50°-60° | 11.5 | 2.5 |
| 60°-70° | 7.0 | 1.5 |
| 70°-80° | 3.7 | 0.8 |
| 80°-90° | 0.8 | 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° | 367.5 | 80.9 |
| 0°-40° | 410.3 | 90.4 |
| 0°-60° | 442.4 | 97.4 |
| 0°-90° | 454.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 454.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1373 | 1373 | 1373 | 1373 | 1373 | |
| 5° | 1239 | 1238 | 1241 | 1241 | 1243 | 108 |
| 15° | 588 | 591 | 595 | 603 | 606 | 163 |
| 25° | 194 | 194 | 198 | 200 | 201 | 92 |
| 35° | 64 | 65 | 66 | 67 | 67 | 42 |
| 45° | 25 | 25 | 26 | 26 | 26 | 20 |
| 55° | 12 | 12 | 13 | 13 | 13 | 11 |
| 65° | 7 | 7 | 7 | 7 | 7 | 7 |
| 75° | 4 | 4 | 4 | 4 | 4 | 4 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1372.9 | 1372.9 | 1372.9 | 1372.9 | 1372.9 |
| 1° | 1371.7 | 1368.2 | 1367.0 | 1366.5 | 1365.3 |
| 2° | 1354.2 | 1351.3 | 1350.7 | 1350.7 | 1350.1 |
| 3° | 1329.7 | 1324.5 | 1325.1 | 1323.3 | 1321.6 |
| 4° | 1288.3 | 1286.0 | 1287.2 | 1288.3 | 1286.0 |
| 5° | 1238.8 | 1238.2 | 1241.1 | 1241.1 | 1242.9 |
| 6° | 1187.5 | 1186.9 | 1185.2 | 1189.8 | 1192.1 |
| 7° | 1122.2 | 1125.7 | 1130.4 | 1128.0 | 1129.8 |
| 8° | 1062.7 | 1058.7 | 1060.4 | 1066.2 | 1066.8 |
| 9° | 992.8 | 989.9 | 997.4 | 999.8 | 1000.4 |
| 10° | 924.6 | 927.5 | 926.9 | 935.1 | 931.6 |
| 12.5° | 746.8 | 751.4 | 756.7 | 760.2 | 763.7 |
| 15° | 588.2 | 591.1 | 594.6 | 602.8 | 606.3 |
| 17.5° | 452.4 | 455.9 | 459.4 | 466.4 | 467.5 |
| 20° | 344.5 | 346.3 | 348.6 | 355.0 | 353.3 |
| 22.5° | 257.7 | 260.6 | 262.9 | 265.8 | 267.6 |
| 25° | 194.1 | 194.1 | 198.2 | 200.0 | 201.1 |
| 27.5° | 144.6 | 145.7 | 148.7 | 151.0 | 150.4 |
| 30° | 109.0 | 110.8 | 112.5 | 113.7 | 114.3 |
| 32.5° | 83.9 | 83.9 | 85.7 | 87.4 | 88.0 |
| 35° | 63.5 | 64.7 | 65.9 | 67.0 | 67.0 |
| 37.5° | 49.6 | 50.1 | 51.3 | 51.9 | 51.9 |
| 40° | 39.1 | 39.1 | 40.2 | 40.8 | 40.8 |
| 42.5° | 30.9 | 31.5 | 32.1 | 32.6 | 32.6 |
| 45° | 25.1 | 25.1 | 25.7 | 26.2 | 26.2 |
| 47.5° | 20.4 | 20.4 | 21.0 | 21.6 | 21.6 |
| 50° | 16.9 | 17.5 | 17.5 | 18.1 | 18.1 |
| 52.5° | 14.6 | 14.6 | 14.6 | 15.2 | 15.2 |
| 55° | 12.2 | 12.2 | 12.8 | 12.8 | 12.8 |
| 57.5° | 10.5 | 10.5 | 10.5 | 11.1 | 11.1 |
| 60° | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| 62.5° | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 65° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 67.5° | 5.8 | 5.8 | 5.8 | 6.4 | 6.4 |
| 70° | 4.7 | 5.2 | 5.2 | 5.2 | 5.2 |
| 72.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 75° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 77.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80° | 1.7 | 2.3 | 2.3 | 2.3 | 2.3 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)