

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: P1313811

Luminaire Tested: LDSQA3D17R259727DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313811
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: LDSQA3D17R259727DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

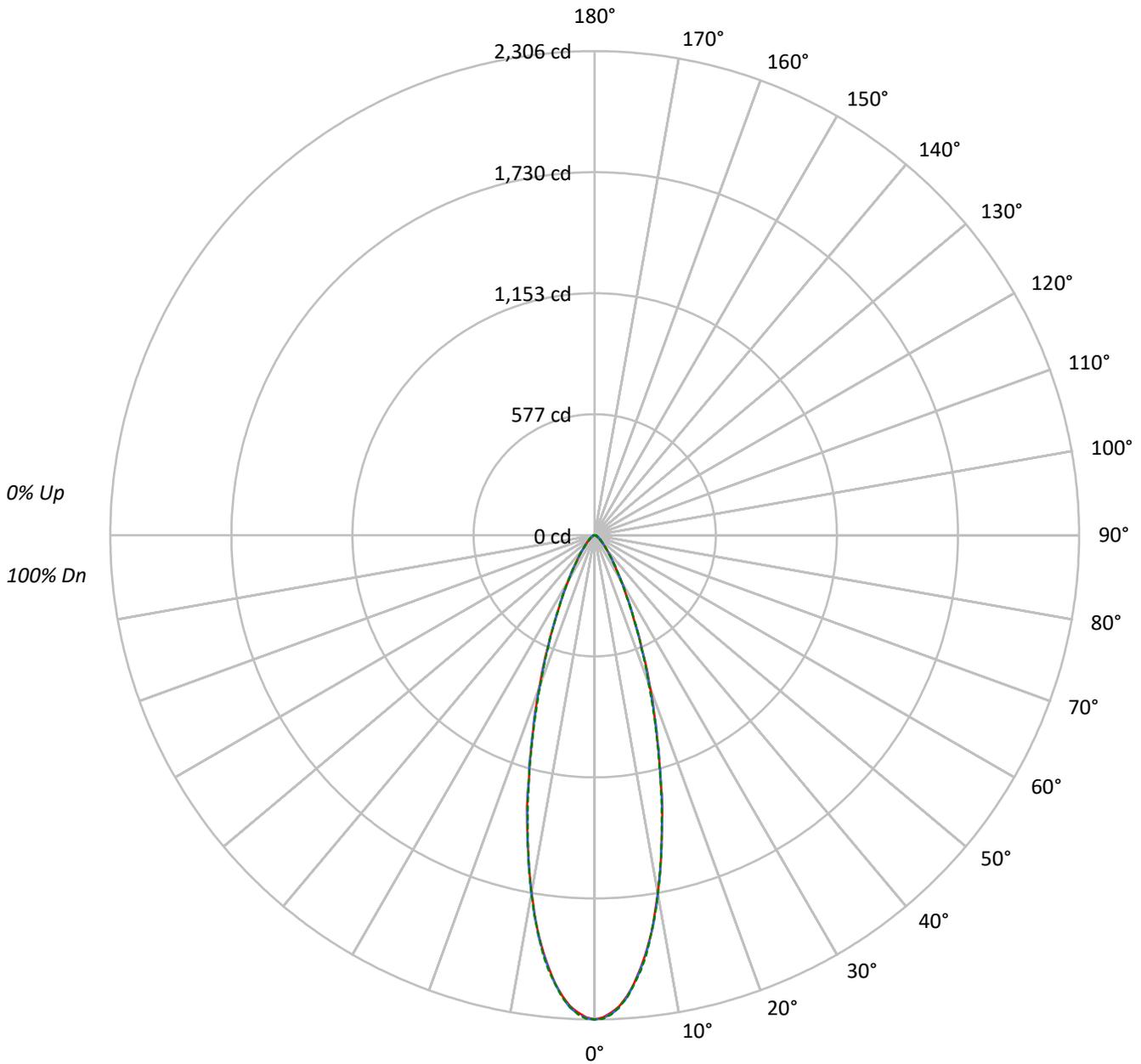
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 43.6 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): 21.2
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

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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° | 397163 | 397163 | 397163 |
| 5° | 370708 | 371071 | 371261 |
| 10° | 302367 | 303311 | 303311 |
| 15° | 215972 | 217113 | 215972 |
| 20° | 141342 | 139968 | 137988 |
| 25° | 84030 | 84448 | 84030 |
| 30° | 50631 | 50631 | 50412 |
| 35° | 30843 | 31074 | 30843 |
| 40° | 19649 | 19874 | 19874 |
| 45° | 13664 | 13664 | 13664 |
| 50° | 9833 | 10128 | 10128 |
| 55° | 7777 | 7777 | 8107 |
| 60° | 6303 | 6682 | 6682 |
| 65° | 5705 | 5705 | 5705 |
| 70° | 4884 | 4884 | 5438 |
| 75° | 4325 | 4325 | 5057 |
| 80° | 4265 | 4265 | 4265 |
| 85° | 2174 | 2174 | 2174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13664 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 191.6 | 20.7 |
| 10°-20° | 334.0 | 36.1 |
| 20°-30° | 210.0 | 22.7 |
| 30°-40° | 96.1 | 10.4 |
| 40°-50° | 44.9 | 4.9 |
| 50°-60° | 24.1 | 2.6 |
| 60°-70° | 14.2 | 1.5 |
| 70°-80° | 7.4 | 0.8 |
| 80°-90° | 1.7 | 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° | 735.7 | 79.6 |
| 0°-40° | 831.7 | 90.0 |
| 0°-60° | 900.7 | 97.5 |
| 0°-90° | 924.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 924.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2306 | 2306 | 2306 | 2306 | 2306 | |
| 5° | 2144 | 2149 | 2146 | 2149 | 2148 | 191 |
| 15° | 1211 | 1219 | 1218 | 1220 | 1211 | 334 |
| 25° | 442 | 448 | 444 | 444 | 442 | 210 |
| 35° | 147 | 147 | 148 | 148 | 147 | 96 |
| 45° | 56 | 56 | 56 | 56 | 56 | 44 |
| 55° | 26 | 26 | 26 | 27 | 27 | 24 |
| 65° | 14 | 14 | 14 | 14 | 14 | 14 |
| 75° | 6 | 6 | 6 | 8 | 8 | 7 |
| 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° | 2306.1 | 2306.1 | 2306.1 | 2306.1 | 2306.1 |
| 1° | 2296.3 | 2298.5 | 2300.7 | 2303.9 | 2302.8 |
| 2° | 2274.8 | 2279.1 | 2280.2 | 2284.5 | 2283.4 |
| 3° | 2245.7 | 2244.6 | 2253.2 | 2253.2 | 2247.8 |
| 4° | 2200.3 | 2202.5 | 2204.7 | 2206.8 | 2207.9 |
| 5° | 2144.3 | 2148.6 | 2146.4 | 2148.6 | 2147.5 |
| 6° | 2075.2 | 2081.7 | 2080.6 | 2082.8 | 2086.0 |
| 7° | 2001.9 | 2006.2 | 2006.2 | 2004.0 | 2012.7 |
| 8° | 1922.1 | 1918.8 | 1924.2 | 1922.1 | 1921.0 |
| 9° | 1827.2 | 1833.6 | 1834.7 | 1829.3 | 1831.5 |
| 10° | 1729.0 | 1733.3 | 1734.4 | 1737.6 | 1734.4 |
| 11° | 1631.9 | 1631.9 | 1634.1 | 1639.5 | 1630.8 |
| 12° | 1526.2 | 1535.9 | 1526.2 | 1530.5 | 1526.2 |
| 13° | 1425.9 | 1428.1 | 1425.9 | 1424.8 | 1417.3 |
| 14° | 1331.0 | 1323.4 | 1325.6 | 1317.0 | 1318.1 |
| 15° | 1211.3 | 1218.8 | 1217.7 | 1219.9 | 1211.3 |
| 17.5° | 974.0 | 978.3 | 977.2 | 975.1 | 964.3 |
| 20° | 771.2 | 771.2 | 763.7 | 759.3 | 752.9 |
| 22.5° | 588.9 | 586.8 | 583.5 | 580.3 | 582.4 |
| 25° | 442.2 | 447.6 | 444.4 | 444.4 | 442.2 |
| 27.5° | 334.4 | 340.8 | 335.4 | 332.2 | 334.4 |
| 30° | 254.6 | 256.7 | 254.6 | 253.5 | 253.5 |
| 32.5° | 192.0 | 193.1 | 192.0 | 192.0 | 192.0 |
| 35° | 146.7 | 146.7 | 147.8 | 147.8 | 146.7 |
| 37.5° | 113.3 | 113.3 | 113.3 | 113.3 | 114.3 |
| 40° | 87.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 42.5° | 69.0 | 70.1 | 70.1 | 70.1 | 70.1 |
| 45° | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 47.5° | 45.3 | 45.3 | 45.3 | 45.3 | 46.4 |
| 50° | 36.7 | 37.8 | 37.8 | 37.8 | 37.8 |
| 52.5° | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| 55° | 25.9 | 25.9 | 25.9 | 27.0 | 27.0 |
| 57.5° | 21.6 | 21.6 | 22.7 | 22.7 | 22.7 |
| 60° | 18.3 | 19.4 | 19.4 | 19.4 | 19.4 |
| 62.5° | 16.2 | 16.2 | 17.3 | 17.3 | 17.3 |
| 65° | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 67.5° | 11.9 | 11.9 | 11.9 | 11.9 | 12.9 |
| 70° | 9.7 | 9.7 | 9.7 | 10.8 | 10.8 |
| 72.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 75° | 6.5 | 6.5 | 6.5 | 7.6 | 7.6 |
| 77.5° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 80° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 82.5° | 2.2 | 2.2 | 3.2 | 3.2 | 3.2 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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)