

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: P1306864

Luminaire Tested: LDSQA3D05R409024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

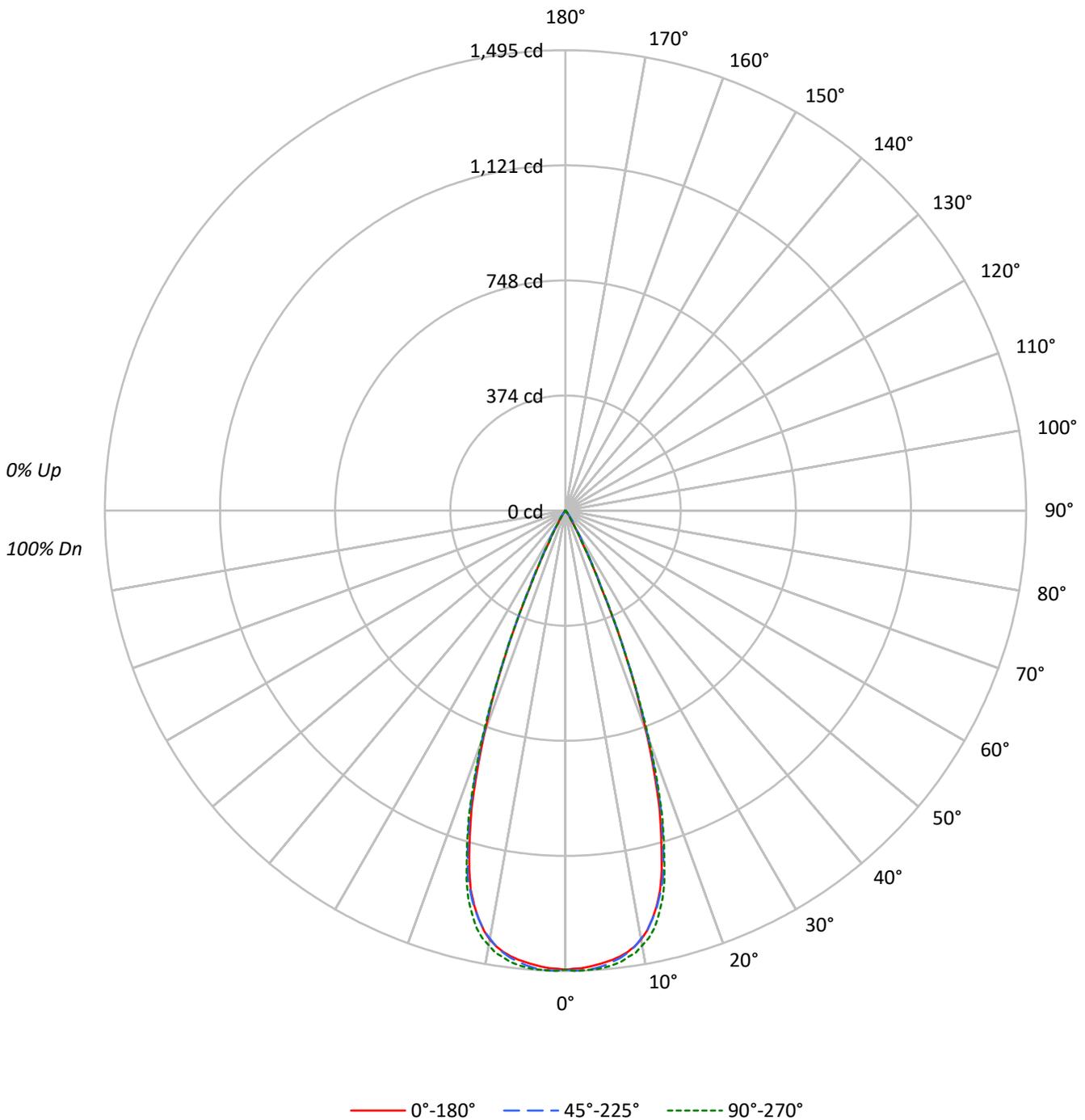
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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 | |
| 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 87 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 93 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 79 |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 80 | 77 | 76 |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 73 |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 69 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 256784 | 256784 | 256784 |
| 5° | 254567 | 256174 | 257384 |
| 10° | 247315 | 246842 | 250707 |
| 15° | 215152 | 218611 | 221286 |
| 20° | 141214 | 143963 | 145814 |
| 25° | 50338 | 53283 | 50091 |
| 30° | 10977 | 14835 | 11057 |
| 35° | 3532 | 6118 | 3427 |
| 40° | 1102 | 1888 | 989 |
| 45° | 97 | 633 | 97 |
| 50° | 0 | 107 | 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: 633 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 139.4 | 22.2 |
| 10°-20° | 324.7 | 51.8 |
| 20°-30° | 145.6 | 23.2 |
| 30°-40° | 15.7 | 2.5 |
| 40°-50° | 1.5 | 0.2 |
| 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° | 609.8 | 97.3 |
| 0°-40° | 625.5 | 99.8 |
| 0°-60° | 627.0 | 100.0 |
| 0°-90° | 627.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 627.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1491 | 1491 | 1491 | 1491 | 1491 | |
| 5° | 1472 | 1476 | 1482 | 1484 | 1489 | 139 |
| 15° | 1207 | 1216 | 1226 | 1233 | 1241 | 321 |
| 25° | 265 | 273 | 280 | 285 | 264 | 141 |
| 35° | 17 | 19 | 29 | 19 | 16 | 13 |
| 45° | 0 | 1 | 3 | 1 | 0 | 1 |
| 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: P1306864
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1491.0 | 1491.0 | 1491.0 | 1491.0 | 1491.0 |
| 1° | 1487.9 | 1491.0 | 1493.7 | 1491.5 | 1494.6 |
| 2° | 1486.6 | 1490.1 | 1494.1 | 1491.9 | 1494.6 |
| 3° | 1483.1 | 1487.5 | 1491.9 | 1490.6 | 1493.2 |
| 4° | 1478.2 | 1481.8 | 1488.4 | 1488.4 | 1492.3 |
| 5° | 1472.5 | 1476.5 | 1481.8 | 1484.0 | 1488.8 |
| 6° | 1466.3 | 1468.5 | 1472.5 | 1476.9 | 1483.5 |
| 7° | 1458.4 | 1458.4 | 1463.2 | 1467.6 | 1476.5 |
| 8° | 1447.3 | 1446.4 | 1450.0 | 1455.7 | 1463.6 |
| 9° | 1433.6 | 1430.5 | 1433.2 | 1441.6 | 1453.5 |
| 10° | 1414.2 | 1411.5 | 1411.5 | 1422.1 | 1433.6 |
| 11° | 1389.0 | 1388.1 | 1388.6 | 1398.7 | 1414.2 |
| 12° | 1355.0 | 1355.9 | 1355.9 | 1367.4 | 1386.4 |
| 13° | 1316.6 | 1316.2 | 1320.2 | 1333.0 | 1345.8 |
| 14° | 1269.8 | 1272.5 | 1276.4 | 1287.9 | 1301.2 |
| 15° | 1206.7 | 1215.5 | 1226.1 | 1233.2 | 1241.1 |
| 17.5° | 1014.6 | 1023.5 | 1038.0 | 1043.8 | 1045.5 |
| 20° | 770.5 | 783.3 | 785.5 | 796.9 | 795.6 |
| 22.5° | 516.6 | 515.7 | 517.5 | 518.8 | 519.2 |
| 25° | 264.9 | 272.9 | 280.4 | 285.2 | 263.6 |
| 27.5° | 115.2 | 128.9 | 138.6 | 125.8 | 116.6 |
| 30° | 55.2 | 62.7 | 74.6 | 63.1 | 55.6 |
| 32.5° | 30.0 | 34.9 | 47.2 | 34.4 | 29.6 |
| 35° | 16.8 | 19.4 | 29.1 | 19.0 | 16.3 |
| 37.5° | 9.7 | 10.6 | 15.9 | 10.6 | 9.3 |
| 40° | 4.9 | 6.2 | 8.4 | 6.2 | 4.4 |
| 42.5° | 1.8 | 3.1 | 4.4 | 3.1 | 1.8 |
| 45° | 0.4 | 0.9 | 2.6 | 0.9 | 0.4 |
| 47.5° | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 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)