

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: P1319220

Luminaire Tested: LDSQA3D13R259835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319220
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: LDSQA3D13R259835DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

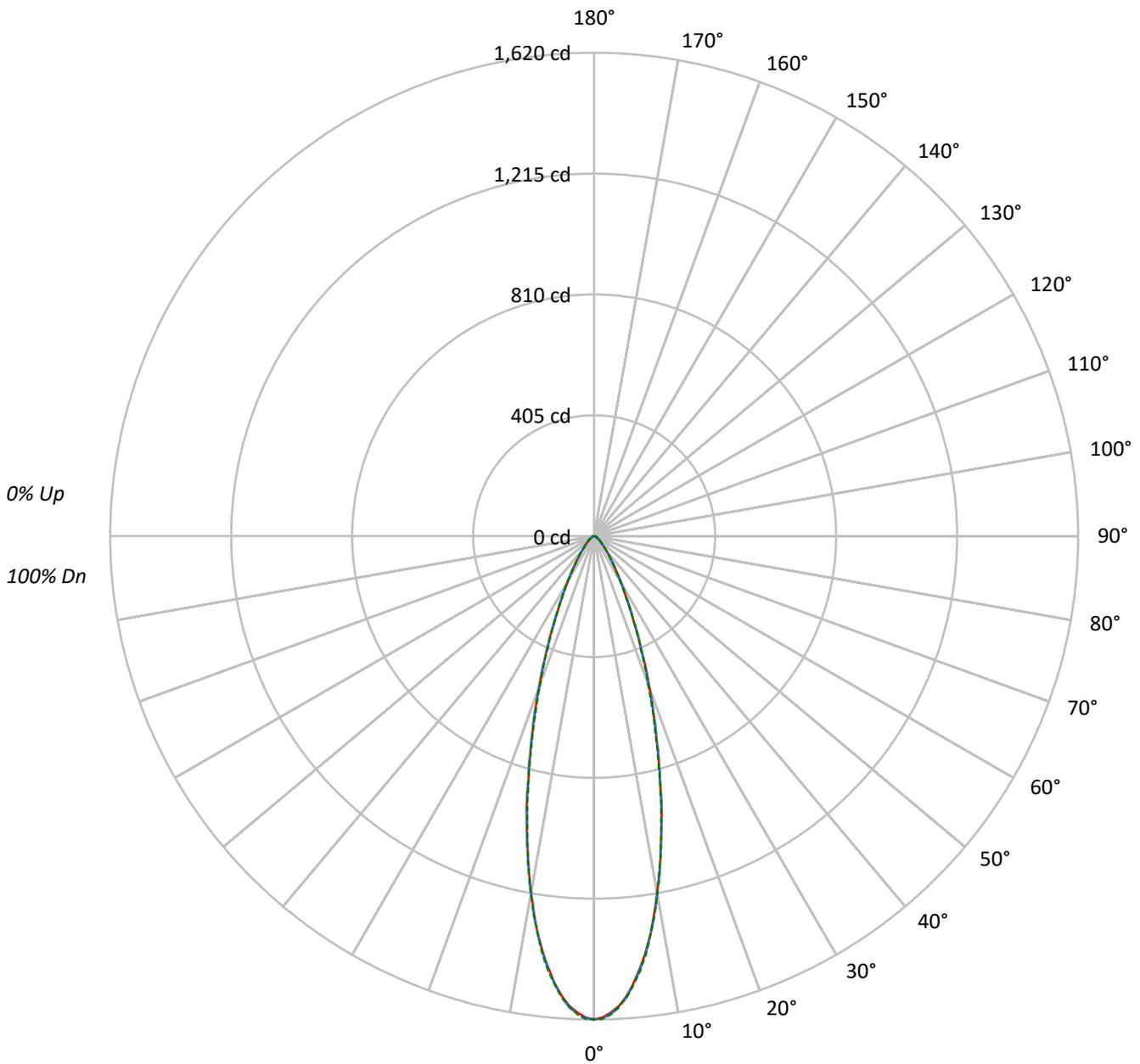
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 44.8 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): 14.5
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 | | | | 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° | 278949 | 278949 | 278949 |
| 5° | 260375 | 260635 | 260773 |
| 10° | 212374 | 213038 | 213038 |
| 15° | 151696 | 152498 | 151696 |
| 20° | 99280 | 98309 | 96916 |
| 25° | 59022 | 59307 | 59022 |
| 30° | 35557 | 35557 | 35398 |
| 35° | 21655 | 21823 | 21655 |
| 40° | 13804 | 13961 | 13961 |
| 45° | 9596 | 9596 | 9596 |
| 50° | 6913 | 7100 | 7100 |
| 55° | 5465 | 5465 | 5675 |
| 60° | 4443 | 4684 | 4684 |
| 65° | 3994 | 3994 | 3994 |
| 70° | 3424 | 3424 | 3827 |
| 75° | 2994 | 2994 | 3527 |
| 80° | 2975 | 2975 | 2975 |
| 85° | 1581 | 1581 | 1581 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9596 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 134.6 | 20.7 |
| 10°-20° | 234.6 | 36.2 |
| 20°-30° | 147.5 | 22.7 |
| 30°-40° | 67.5 | 10.4 |
| 40°-50° | 31.5 | 4.9 |
| 50°-60° | 16.9 | 2.6 |
| 60°-70° | 10.0 | 1.5 |
| 70°-80° | 5.2 | 0.8 |
| 80°-90° | 1.2 | 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° | 516.7 | 79.6 |
| 0°-40° | 584.2 | 90.0 |
| 0°-60° | 632.6 | 97.5 |
| 0°-90° | 649.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 649.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1620 | 1620 | 1620 | 1620 | 1620 | |
| 5° | 1506 | 1509 | 1508 | 1509 | 1508 | 134 |
| 15° | 851 | 856 | 855 | 857 | 851 | 235 |
| 25° | 311 | 314 | 312 | 312 | 311 | 148 |
| 35° | 103 | 103 | 104 | 104 | 103 | 67 |
| 45° | 39 | 39 | 39 | 39 | 39 | 31 |
| 55° | 18 | 18 | 18 | 19 | 19 | 17 |
| 65° | 10 | 10 | 10 | 10 | 10 | 10 |
| 75° | 4 | 4 | 4 | 5 | 5 | 5 |
| 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° | 1619.7 | 1619.7 | 1619.7 | 1619.7 | 1619.7 |
| 1° | 1612.9 | 1614.4 | 1615.9 | 1618.2 | 1617.5 |
| 2° | 1597.8 | 1600.8 | 1601.5 | 1604.6 | 1603.8 |
| 3° | 1577.3 | 1576.5 | 1582.6 | 1582.6 | 1578.8 |
| 4° | 1545.5 | 1547.0 | 1548.5 | 1550.0 | 1550.8 |
| 5° | 1506.1 | 1509.1 | 1507.6 | 1509.1 | 1508.4 |
| 6° | 1457.6 | 1462.1 | 1461.4 | 1462.9 | 1465.2 |
| 7° | 1406.1 | 1409.1 | 1409.1 | 1407.6 | 1413.7 |
| 8° | 1350.0 | 1347.8 | 1351.5 | 1350.0 | 1349.3 |
| 9° | 1283.4 | 1287.9 | 1288.7 | 1284.9 | 1286.4 |
| 10° | 1214.4 | 1217.4 | 1218.2 | 1220.5 | 1218.2 |
| 11° | 1146.2 | 1146.2 | 1147.7 | 1151.5 | 1145.5 |
| 12° | 1072.0 | 1078.8 | 1072.0 | 1075.0 | 1072.0 |
| 13° | 1001.5 | 1003.0 | 1001.5 | 1000.8 | 995.5 |
| 14° | 934.9 | 929.6 | 931.1 | 925.0 | 925.8 |
| 15° | 850.8 | 856.1 | 855.3 | 856.8 | 850.8 |
| 17.5° | 684.1 | 687.1 | 686.4 | 684.9 | 677.3 |
| 20° | 541.7 | 541.7 | 536.4 | 533.3 | 528.8 |
| 22.5° | 413.6 | 412.1 | 409.9 | 407.6 | 409.1 |
| 25° | 310.6 | 314.4 | 312.1 | 312.1 | 310.6 |
| 27.5° | 234.9 | 239.4 | 235.6 | 233.3 | 234.9 |
| 30° | 178.8 | 180.3 | 178.8 | 178.0 | 178.0 |
| 32.5° | 134.9 | 135.6 | 134.9 | 134.9 | 134.9 |
| 35° | 103.0 | 103.0 | 103.8 | 103.8 | 103.0 |
| 37.5° | 79.5 | 79.5 | 79.5 | 79.5 | 80.3 |
| 40° | 61.4 | 62.1 | 62.1 | 62.1 | 62.1 |
| 42.5° | 48.5 | 49.2 | 49.2 | 49.2 | 49.2 |
| 45° | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 47.5° | 31.8 | 31.8 | 31.8 | 31.8 | 32.6 |
| 50° | 25.8 | 26.5 | 26.5 | 26.5 | 26.5 |
| 52.5° | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 55° | 18.2 | 18.2 | 18.2 | 18.9 | 18.9 |
| 57.5° | 15.2 | 15.2 | 15.9 | 15.9 | 15.9 |
| 60° | 12.9 | 13.6 | 13.6 | 13.6 | 13.6 |
| 62.5° | 11.4 | 11.4 | 12.1 | 12.1 | 12.1 |
| 65° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 67.5° | 8.3 | 8.3 | 8.3 | 8.3 | 9.1 |
| 70° | 6.8 | 6.8 | 6.8 | 7.6 | 7.6 |
| 72.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 75° | 4.5 | 4.5 | 4.5 | 5.3 | 5.3 |
| 77.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 80° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 82.5° | 1.5 | 1.5 | 2.3 | 2.3 | 2.3 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)