

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: P1319704

Luminaire Tested: LDSQA3D02R409840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

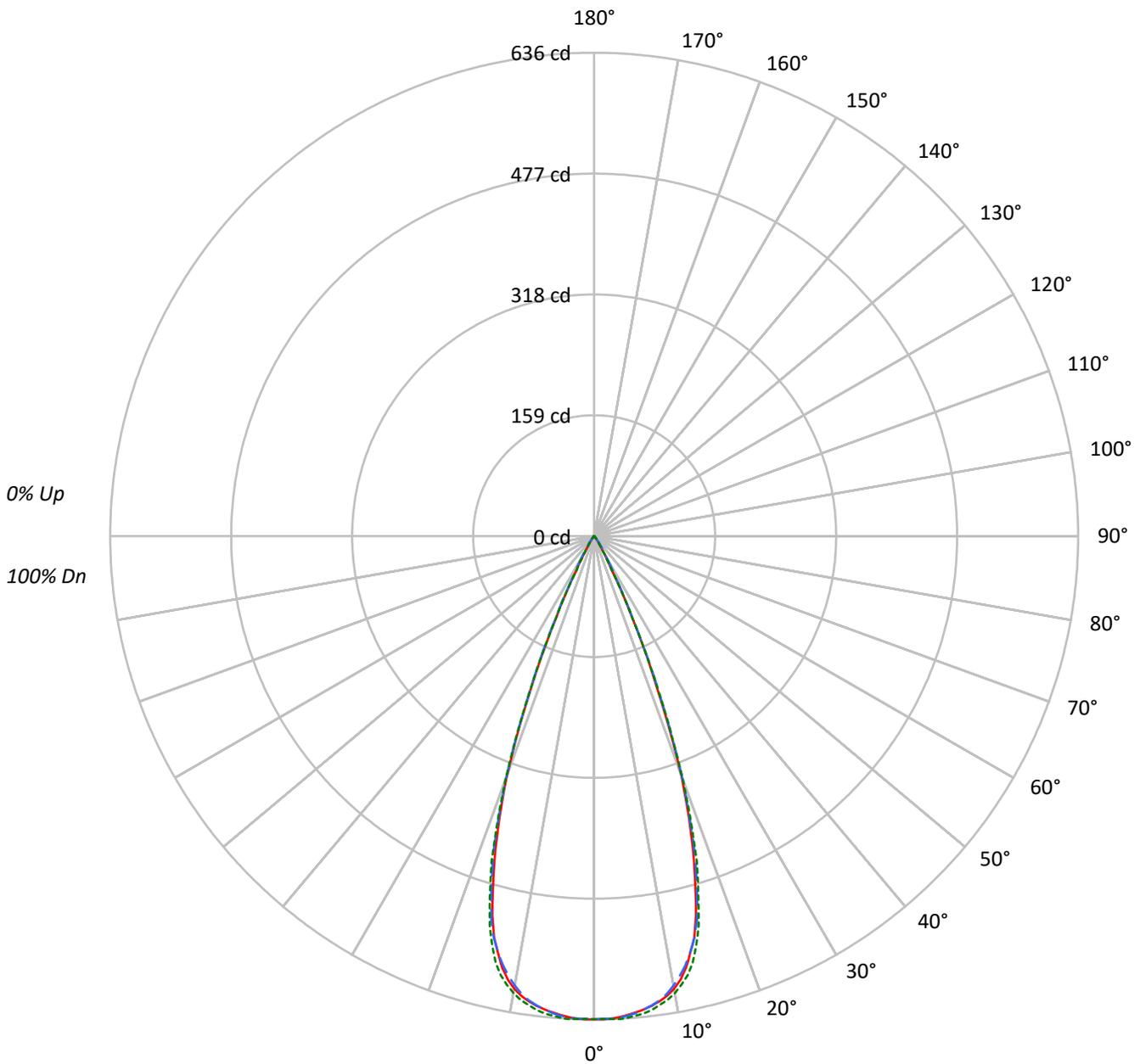
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 269.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1319704
CATALOG NUMBER: LDSQA3D02R409840DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270°



TEST NUMBER: P1319704

CATALOG NUMBER: LDSQA3D02R409840DE010 3LSQCDR1MW

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 | 115 | 112 | 110 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 98 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 96 | 95 | 94 | 94 | 94 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 90 | 90 | 90 | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 5 | 99 | 93 | 89 | 85 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 6 | 96 | 89 | 85 | 82 | 95 | 89 | 84 | 81 | 87 | 84 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 76 |
| 8 | 90 | 83 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 74 | 80 | 76 | 74 | 74 | 74 | 74 | 73 |
| 9 | 87 | 80 | 75 | 72 | 86 | 79 | 75 | 72 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | 72 | 72 | 72 | 71 |
| 10 | 84 | 77 | 73 | 70 | 84 | 77 | 72 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 75 | 71 | 69 | 69 | 69 | 69 | 68 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 109465 | 109465 | 109465 |
| 5° | 108742 | 108897 | 109485 |
| 10° | 105785 | 104998 | 106746 |
| 15° | 92180 | 93125 | 94569 |
| 20° | 61397 | 61709 | 62295 |
| 25° | 22328 | 23012 | 22423 |
| 30° | 4733 | 6364 | 4733 |
| 35° | 1661 | 2817 | 1598 |
| 40° | 585 | 899 | 585 |
| 45° | 146 | 365 | 146 |
| 50° | 107 | 161 | 107 |
| 55° | 120 | 120 | 120 |
| 60° | 138 | 138 | 138 |
| 65° | 82 | 163 | 82 |
| 70° | 101 | 101 | 101 |
| 75° | 133 | 133 | 133 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm



TEST NUMBER: P1319704

CATALOG NUMBER: LDSQA3D02R409840DE010 3LSQCDR1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.4 | 22.1 |
| 10°-20° | 138.4 | 51.4 |
| 20°-30° | 62.3 | 23.2 |
| 30°-40° | 7.1 | 2.6 |
| 40°-50° | 1.0 | 0.4 |
| 50°-60° | 0.4 | 0.1 |
| 60°-70° | 0.3 | 0.1 |
| 70°-80° | 0.2 | 0.1 |
| 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° | 260.1 | 96.7 |
| 0°-40° | 267.2 | 99.3 |
| 0°-60° | 268.5 | 99.8 |
| 0°-90° | 269.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 269.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 636 | 636 | 636 | 636 | 636 | |
| 5° | 629 | 628 | 630 | 633 | 633 | 59 |
| 15° | 517 | 518 | 522 | 526 | 530 | 137 |
| 25° | 118 | 118 | 121 | 121 | 118 | 61 |
| 35° | 8 | 9 | 13 | 8 | 8 | 6 |
| 45° | 1 | 1 | 2 | 1 | 1 | 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: P1319704

CATALOG NUMBER: LDSQA3D02R409840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 635.6 | 635.6 | 635.6 | 635.6 | 635.6 |
| 1° | 636.0 | 635.4 | 635.2 | 636.3 | 635.4 |
| 2° | 635.4 | 635.0 | 635.2 | 636.3 | 635.6 |
| 3° | 633.7 | 633.9 | 634.5 | 636.5 | 636.3 |
| 4° | 631.6 | 631.4 | 632.6 | 635.2 | 635.2 |
| 5° | 629.0 | 628.2 | 629.9 | 632.8 | 633.3 |
| 6° | 625.9 | 625.0 | 626.3 | 629.9 | 631.2 |
| 7° | 622.5 | 620.6 | 621.8 | 626.1 | 627.8 |
| 8° | 618.0 | 615.5 | 616.9 | 621.2 | 622.5 |
| 9° | 612.3 | 608.5 | 609.7 | 615.0 | 617.6 |
| 10° | 604.9 | 600.2 | 600.4 | 606.3 | 610.4 |
| 11° | 594.5 | 589.2 | 589.4 | 596.8 | 601.2 |
| 12° | 580.7 | 576.0 | 577.0 | 583.8 | 590.8 |
| 13° | 562.0 | 560.7 | 561.8 | 569.2 | 575.6 |
| 14° | 543.8 | 542.5 | 544.6 | 551.4 | 554.4 |
| 15° | 517.0 | 518.3 | 522.3 | 526.4 | 530.4 |
| 17.5° | 431.9 | 437.0 | 441.7 | 444.5 | 447.9 |
| 20° | 335.0 | 329.1 | 336.7 | 333.3 | 339.9 |
| 22.5° | 216.2 | 220.6 | 222.5 | 220.6 | 221.3 |
| 25° | 117.5 | 118.2 | 121.1 | 121.1 | 118.0 |
| 27.5° | 49.9 | 53.9 | 57.5 | 56.2 | 49.9 |
| 30° | 23.8 | 27.4 | 32.0 | 27.6 | 23.8 |
| 32.5° | 13.4 | 15.9 | 20.6 | 15.5 | 13.1 |
| 35° | 7.9 | 8.9 | 13.4 | 8.5 | 7.6 |
| 37.5° | 4.7 | 4.9 | 7.4 | 5.1 | 4.5 |
| 40° | 2.6 | 3.2 | 4.0 | 3.2 | 2.6 |
| 42.5° | 1.3 | 1.9 | 2.5 | 1.9 | 1.3 |
| 45° | 0.6 | 0.9 | 1.5 | 0.9 | 0.6 |
| 47.5° | 0.6 | 0.6 | 0.9 | 0.6 | 0.6 |
| 50° | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 |
| 52.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 55° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 57.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 60° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.2 | 0.4 | 0.4 | 0.4 | 0.2 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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 |



TEST NUMBER: P1319704
CATALOG NUMBER: LDSQA3D02R409840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)