

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: P1309841

Luminaire Tested: LDSQA3D02R209035DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209035DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

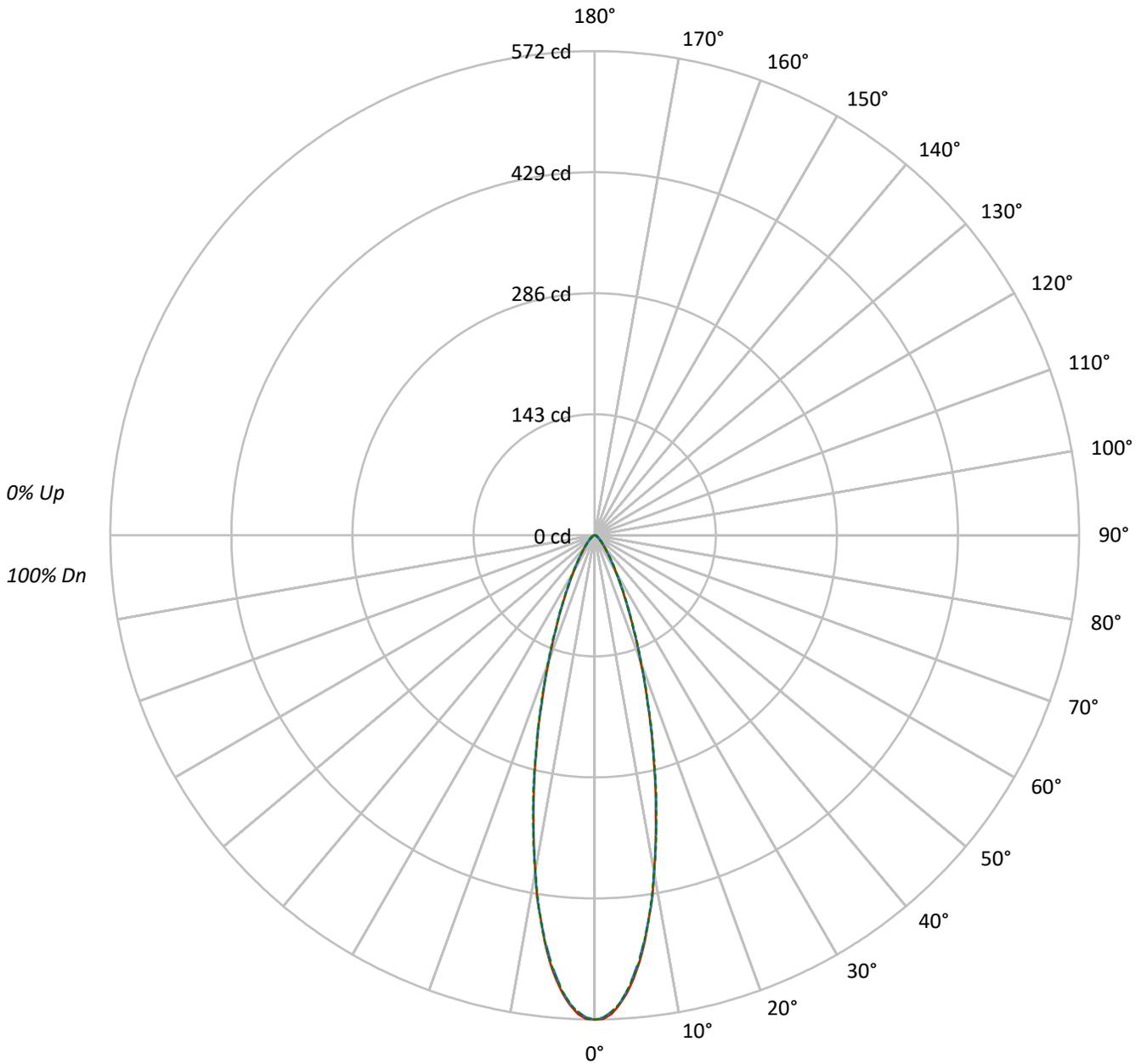
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 201.1 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
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 (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

TEST NUMBER: P1309841
CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1309841

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MB

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 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 96 | 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 | 84 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 79 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 6 | 92 | 84 | 79 | 75 | 90 | 83 | 78 | 75 | 82 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 67 | 67 | 67 | 66 |
| 9 | 82 | 74 | 68 | 65 | 81 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 64 | 64 | 64 | 64 | 63 |
| 10 | 79 | 71 | 66 | 62 | 78 | 70 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 | 62 | 62 | 62 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 98511 | 98511 | 98511 |
| 5° | 90883 | 90347 | 90659 |
| 10° | 70529 | 70616 | 70616 |
| 15° | 47659 | 47891 | 47891 |
| 20° | 28939 | 29306 | 29452 |
| 25° | 16988 | 17216 | 17178 |
| 30° | 9904 | 10102 | 10162 |
| 35° | 6055 | 6202 | 6202 |
| 40° | 3934 | 4002 | 4047 |
| 45° | 2752 | 2801 | 2874 |
| 50° | 2009 | 2090 | 2090 |
| 55° | 1591 | 1651 | 1651 |
| 60° | 1378 | 1378 | 1481 |
| 65° | 1223 | 1223 | 1345 |
| 70° | 1158 | 1158 | 1158 |
| 75° | 998 | 998 | 998 |
| 80° | 793 | 793 | 992 |
| 85° | 593 | 593 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 2874 cd/sqm



TEST NUMBER: P1309841

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 46.1 | 22.9 |
| 10°-20° | 73.9 | 36.7 |
| 20°-30° | 42.8 | 21.3 |
| 30°-40° | 19.2 | 9.5 |
| 40°-50° | 9.1 | 4.5 |
| 50°-60° | 5.0 | 2.5 |
| 60°-70° | 3.0 | 1.5 |
| 70°-80° | 1.7 | 0.8 |
| 80°-90° | 0.4 | 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° | 162.8 | 80.9 |
| 0°-40° | 181.9 | 90.5 |
| 0°-60° | 196.0 | 97.5 |
| 0°-90° | 201.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 201.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 572 | 572 | 572 | 572 | 572 | |
| 5° | 526 | 524 | 523 | 524 | 524 | 46 |
| 15° | 267 | 267 | 269 | 267 | 269 | 74 |
| 25° | 89 | 89 | 91 | 90 | 90 | 42 |
| 35° | 29 | 29 | 30 | 30 | 30 | 19 |
| 45° | 11 | 11 | 12 | 12 | 12 | 9 |
| 55° | 5 | 5 | 6 | 6 | 6 | 5 |
| 65° | 3 | 3 | 3 | 3 | 3 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1309841
 CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 |
| 1° | 571.7 | 570.2 | 569.7 | 569.2 | 570.7 |
| 2° | 566.0 | 564.2 | 563.2 | 563.7 | 563.9 |
| 3° | 555.7 | 554.7 | 554.7 | 553.9 | 554.4 |
| 4° | 542.4 | 540.4 | 540.4 | 540.7 | 540.7 |
| 5° | 525.7 | 523.9 | 522.6 | 523.6 | 524.4 |
| 6° | 506.9 | 504.6 | 503.6 | 503.9 | 505.6 |
| 7° | 483.9 | 480.8 | 481.3 | 482.6 | 482.6 |
| 8° | 457.8 | 457.6 | 458.1 | 457.6 | 458.1 |
| 9° | 433.8 | 430.3 | 433.3 | 430.8 | 432.0 |
| 10° | 403.3 | 403.0 | 403.8 | 404.5 | 403.8 |
| 12.5° | 333.7 | 334.9 | 335.4 | 334.4 | 336.7 |
| 15° | 267.3 | 267.3 | 268.6 | 267.3 | 268.6 |
| 17.5° | 208.0 | 207.8 | 208.8 | 207.8 | 209.3 |
| 20° | 157.9 | 159.7 | 159.9 | 159.9 | 160.7 |
| 22.5° | 119.1 | 119.1 | 120.1 | 120.4 | 119.9 |
| 25° | 89.4 | 89.4 | 90.6 | 89.9 | 90.4 |
| 27.5° | 66.1 | 66.6 | 67.6 | 68.1 | 68.1 |
| 30° | 49.8 | 50.1 | 50.8 | 51.1 | 51.1 |
| 32.5° | 37.5 | 38.0 | 38.5 | 38.8 | 39.0 |
| 35° | 28.8 | 29.0 | 29.5 | 29.8 | 29.5 |
| 37.5° | 22.0 | 22.3 | 22.8 | 23.0 | 23.0 |
| 40° | 17.5 | 17.5 | 17.8 | 18.0 | 18.0 |
| 42.5° | 13.8 | 14.0 | 14.0 | 14.3 | 14.3 |
| 45° | 11.3 | 11.3 | 11.5 | 11.5 | 11.8 |
| 47.5° | 9.0 | 9.0 | 9.3 | 9.5 | 9.5 |
| 50° | 7.5 | 7.5 | 7.8 | 7.8 | 7.8 |
| 52.5° | 6.3 | 6.3 | 6.5 | 6.5 | 6.5 |
| 55° | 5.3 | 5.3 | 5.5 | 5.5 | 5.5 |
| 57.5° | 4.5 | 4.5 | 4.8 | 4.8 | 4.8 |
| 60° | 4.0 | 4.0 | 4.0 | 4.0 | 4.3 |
| 62.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 65° | 3.0 | 3.0 | 3.0 | 3.0 | 3.3 |
| 67.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.8 |
| 70° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 72.5° | 1.8 | 1.8 | 1.8 | 2.0 | 2.0 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 77.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80° | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)