

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: P1314314

Luminaire Tested: LDSQA3D05R259730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

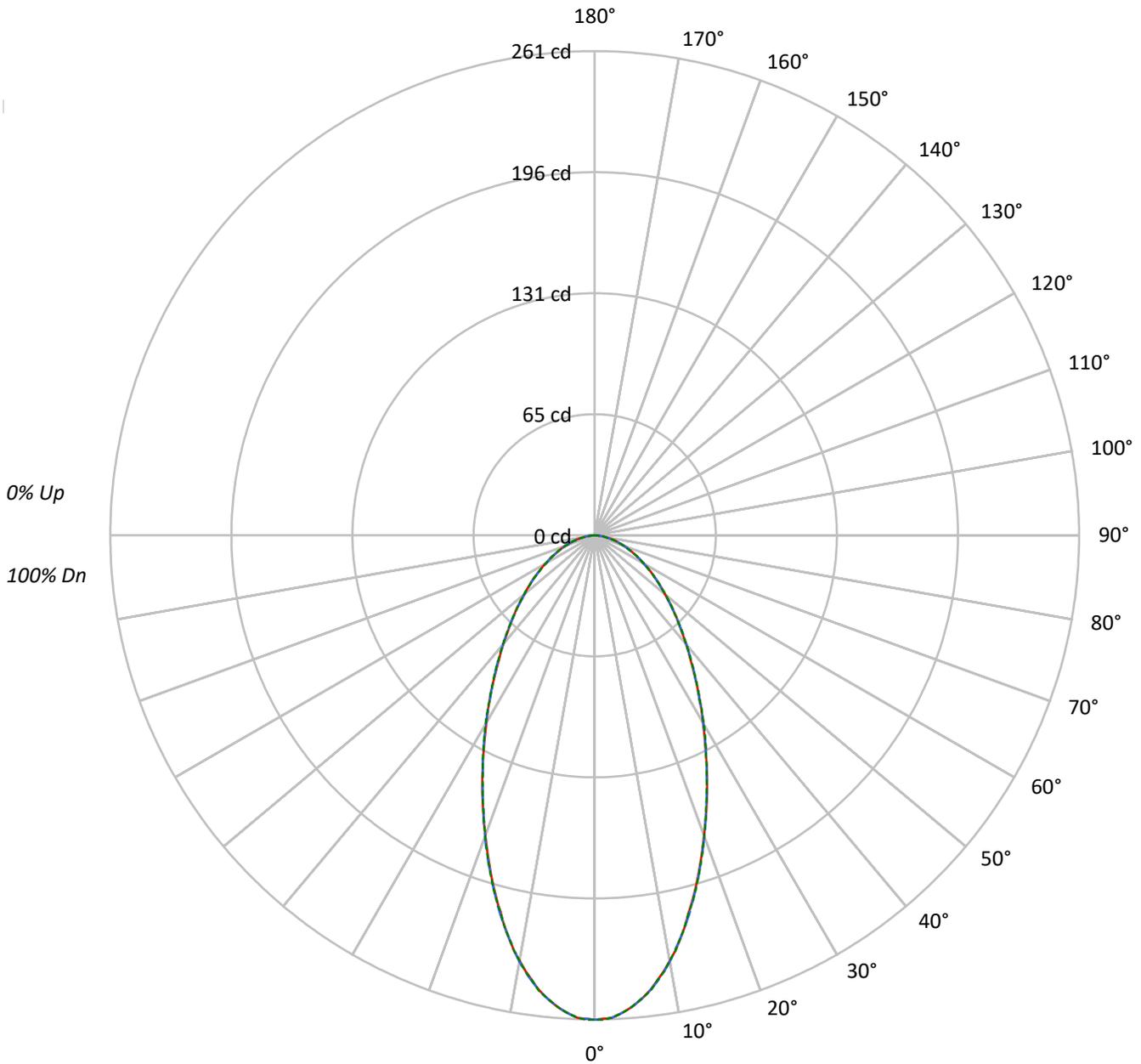
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 326.9 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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 (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: P1314314
CATALOG NUMBER: LDSQA3D05R259730DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1314314

CATALOG NUMBER: LDSQA3D05R259730DE010 3LSQPHRLD1MW

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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 90 | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 79 | 77 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 4 | 89 | 79 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 64 | 58 | 69 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 56 | 56 | 56 | 55 |
| 6 | 77 | 66 | 58 | 53 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 55 | 51 | 51 | 51 | 51 | 49 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 47 | 47 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 43 | 43 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 44985 | 44985 | 44985 |
| 5° | 43842 | 43842 | 43842 |
| 10° | 40729 | 40817 | 40729 |
| 15° | 36319 | 36408 | 36408 |
| 20° | 31578 | 31670 | 31578 |
| 25° | 27212 | 27117 | 27117 |
| 30° | 23208 | 23287 | 23387 |
| 35° | 19910 | 19910 | 19994 |
| 40° | 17244 | 17244 | 17244 |
| 45° | 15076 | 15076 | 15076 |
| 50° | 13236 | 13236 | 13343 |
| 55° | 11860 | 11860 | 11860 |
| 60° | 10506 | 10506 | 10506 |
| 65° | 9495 | 9495 | 9495 |
| 70° | 8611 | 8359 | 8611 |
| 75° | 7785 | 7453 | 7453 |
| 80° | 6248 | 6248 | 6248 |
| 85° | 4347 | 4347 | 4347 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15076 cd/sqm



TEST NUMBER: P1314314

CATALOG NUMBER: LDSQA3D05R259730DE010 3LSQPHRLD1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.6 | 7.2 |
| 10°-20° | 56.8 | 17.4 |
| 20°-30° | 65.7 | 20.1 |
| 30°-40° | 59.6 | 18.2 |
| 40°-50° | 48.0 | 14.7 |
| 50°-60° | 35.4 | 10.8 |
| 60°-70° | 23.2 | 7.1 |
| 70°-80° | 12.0 | 3.7 |
| 80°-90° | 2.7 | 0.8 |
| 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° | 146.1 | 44.7 |
| 0°-40° | 205.7 | 62.9 |
| 0°-60° | 289.0 | 88.4 |
| 0°-90° | 326.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 326.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 261 | 261 | 261 | 261 | 261 | |
| 5° | 254 | 254 | 254 | 254 | 254 | 24 |
| 15° | 204 | 204 | 204 | 204 | 204 | 57 |
| 25° | 143 | 143 | 143 | 143 | 143 | 66 |
| 35° | 95 | 95 | 95 | 95 | 95 | 59 |
| 45° | 62 | 62 | 62 | 62 | 62 | 48 |
| 55° | 40 | 40 | 40 | 39 | 40 | 35 |
| 65° | 23 | 23 | 23 | 23 | 23 | 23 |
| 75° | 12 | 11 | 11 | 11 | 11 | 12 |
| 85° | 2 | 2 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314314

CATALOG NUMBER: LDSQA3D05R259730DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 261.2 | 261.2 | 261.2 | 261.2 | 261.2 |
| 1° | 260.7 | 261.6 | 260.7 | 260.7 | 261.2 |
| 2° | 260.3 | 260.7 | 260.3 | 260.3 | 260.3 |
| 3° | 258.5 | 259.4 | 258.5 | 258.5 | 258.5 |
| 4° | 256.3 | 257.1 | 256.3 | 256.3 | 256.3 |
| 5° | 253.6 | 254.5 | 253.6 | 253.6 | 253.6 |
| 6° | 250.4 | 250.9 | 250.4 | 250.4 | 250.4 |
| 7° | 246.8 | 247.3 | 246.8 | 246.8 | 247.3 |
| 8° | 242.3 | 242.8 | 242.8 | 242.3 | 242.3 |
| 9° | 237.9 | 238.3 | 238.3 | 237.9 | 238.3 |
| 10° | 232.9 | 233.4 | 233.4 | 232.9 | 232.9 |
| 11° | 228.0 | 228.4 | 227.5 | 227.5 | 228.0 |
| 12° | 222.1 | 222.6 | 222.1 | 222.1 | 222.1 |
| 13° | 216.3 | 216.3 | 216.3 | 216.3 | 216.3 |
| 14° | 209.6 | 210.5 | 210.5 | 210.0 | 209.6 |
| 15° | 203.7 | 204.2 | 204.2 | 203.7 | 204.2 |
| 17.5° | 188.0 | 188.9 | 188.5 | 188.5 | 188.5 |
| 20° | 172.3 | 172.8 | 172.8 | 172.3 | 172.3 |
| 22.5° | 157.5 | 157.1 | 157.1 | 157.1 | 157.1 |
| 25° | 143.2 | 142.7 | 142.7 | 143.2 | 142.7 |
| 27.5° | 129.2 | 129.7 | 129.7 | 129.2 | 129.7 |
| 30° | 116.7 | 116.7 | 117.1 | 116.7 | 117.6 |
| 32.5° | 105.5 | 105.5 | 105.0 | 105.5 | 105.5 |
| 35° | 94.7 | 94.7 | 94.7 | 94.7 | 95.1 |
| 37.5° | 84.8 | 85.3 | 85.7 | 85.7 | 85.3 |
| 40° | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 42.5° | 68.7 | 68.7 | 69.1 | 69.1 | 69.1 |
| 45° | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 47.5° | 55.6 | 55.6 | 55.2 | 55.2 | 55.6 |
| 50° | 49.4 | 49.8 | 49.4 | 49.4 | 49.8 |
| 52.5° | 44.4 | 44.0 | 44.0 | 44.4 | 44.4 |
| 55° | 39.5 | 39.5 | 39.5 | 39.0 | 39.5 |
| 57.5° | 35.0 | 35.0 | 34.6 | 34.6 | 34.6 |
| 60° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 62.5° | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| 65° | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 67.5° | 20.2 | 20.2 | 20.2 | 20.2 | 19.7 |
| 70° | 17.1 | 17.1 | 16.6 | 16.6 | 17.1 |
| 72.5° | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 |
| 75° | 11.7 | 11.2 | 11.2 | 11.2 | 11.2 |
| 77.5° | 9.0 | 9.0 | 8.5 | 9.0 | 8.5 |
| 80° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 82.5° | 4.5 | 4.0 | 4.0 | 4.0 | 4.0 |
| 85° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.9 |



TEST NUMBER: P1314314

CATALOG NUMBER: LDSQA3D05R259730DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)