

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: P1312231

Luminaire Tested: LDSQA3D05R259050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

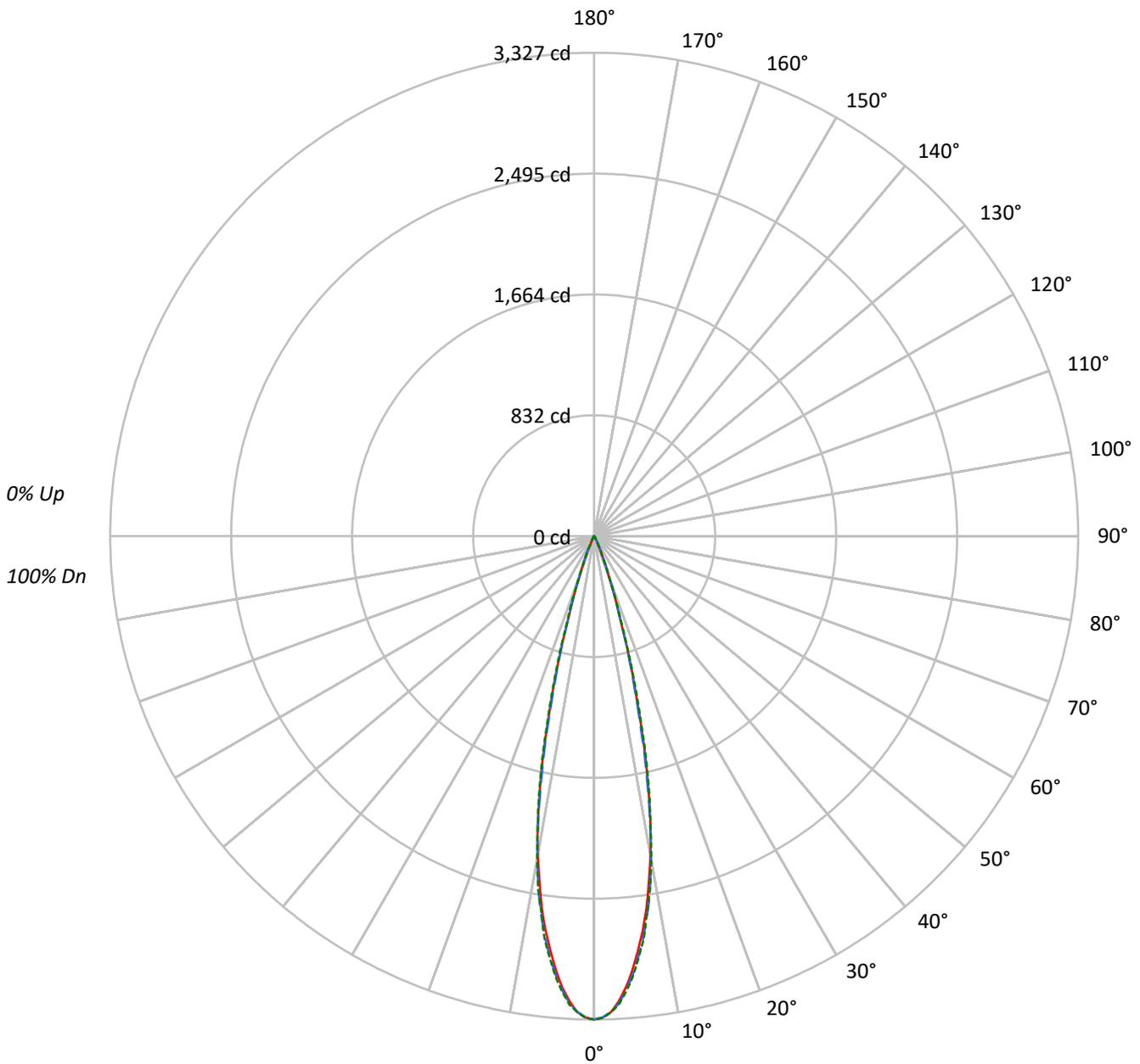
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
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

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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 | | | |
| 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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1 | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99 | 97 | 97 | 97 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98 | 99 | 97 | 96 | 95 | 95 | 95 |
| 3 | 109 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 99 | 97 | 99 | 97 | 95 | 97 | 95 | 94 | 93 | 93 | 93 |
| 4 | 106 | 101 | 98 | 95 | 105 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 94 | 93 | 95 | 93 | 92 | 91 | 91 | 91 |
| 5 | 104 | 98 | 95 | 92 | 102 | 98 | 94 | 92 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 89 | 88 | 88 | 88 |
| 6 | 101 | 96 | 92 | 89 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | 86 | 86 |
| 7 | 99 | 93 | 89 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 85 | 85 | 85 |
| 8 | 97 | 91 | 87 | 85 | 96 | 90 | 87 | 85 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 83 | 83 | 83 |
| 9 | 95 | 89 | 85 | 83 | 94 | 88 | 85 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 81 | 81 | 81 |
| 10 | 93 | 87 | 83 | 81 | 92 | 86 | 83 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 85 | 82 | 80 | 80 | 80 | 80 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 572985 | 572985 | 572985 |
| 5° | 519229 | 523966 | 526525 |
| 10° | 390331 | 393112 | 394930 |
| 15° | 193275 | 187516 | 200015 |
| 20° | 54579 | 55496 | 56082 |
| 25° | 9463 | 17901 | 11231 |
| 30° | 3699 | 3818 | 3918 |
| 35° | 1156 | 1261 | 1261 |
| 40° | 360 | 495 | 360 |
| 45° | 268 | 122 | 268 |
| 50° | 134 | 0 | 134 |
| 55° | 150 | 0 | 150 |
| 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: 0°

Vertical Angle: 45°

Luminance: 268 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 264.3 | 43.0 |
| 10°-20° | 298.1 | 48.5 |
| 20°-30° | 46.2 | 7.5 |
| 30°-40° | 4.7 | 0.8 |
| 40°-50° | 0.6 | 0.1 |
| 50°-60° | 0.1 | 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° | 608.6 | 99.1 |
| 0°-40° | 613.3 | 99.9 |
| 0°-60° | 614.0 | 100.0 |
| 0°-90° | 614.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 614.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3327 | 3327 | 3327 | 3327 | 3327 | |
| 5° | 3003 | 3009 | 3031 | 3043 | 3046 | 262 |
| 15° | 1084 | 1076 | 1052 | 1099 | 1122 | 297 |
| 25° | 50 | 74 | 94 | 72 | 59 | 42 |
| 35° | 6 | 6 | 6 | 7 | 6 | 4 |
| 45° | 1 | 0 | 0 | 0 | 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3327.0 | 3327.0 | 3327.0 | 3327.0 | 3327.0 |
| 1° | 3313.3 | 3317.7 | 3312.7 | 3318.2 | 3317.7 |
| 2° | 3278.8 | 3283.2 | 3277.2 | 3280.4 | 3280.4 |
| 3° | 3208.2 | 3217.5 | 3223.0 | 3226.8 | 3230.1 |
| 4° | 3115.1 | 3125.5 | 3133.7 | 3143.6 | 3143.6 |
| 5° | 3003.4 | 3008.9 | 3030.8 | 3042.8 | 3045.6 |
| 6° | 2870.4 | 2892.3 | 2908.7 | 2932.8 | 2918.0 |
| 7° | 2737.3 | 2755.4 | 2778.4 | 2782.2 | 2792.6 |
| 8° | 2586.2 | 2605.4 | 2626.8 | 2622.9 | 2614.2 |
| 9° | 2402.3 | 2430.2 | 2455.4 | 2447.2 | 2458.1 |
| 10° | 2232.0 | 2249.0 | 2247.9 | 2239.7 | 2258.3 |
| 11° | 2034.4 | 2038.2 | 2016.9 | 2050.3 | 2030.0 |
| 12° | 1800.1 | 1803.4 | 1776.0 | 1808.8 | 1829.6 |
| 13° | 1575.6 | 1568.0 | 1530.2 | 1573.4 | 1599.7 |
| 14° | 1317.2 | 1319.9 | 1271.8 | 1355.5 | 1349.0 |
| 15° | 1084.0 | 1076.3 | 1051.7 | 1098.8 | 1121.8 |
| 17.5° | 577.6 | 582.5 | 576.5 | 600.0 | 614.8 |
| 20° | 297.8 | 306.0 | 302.8 | 312.6 | 306.0 |
| 22.5° | 154.4 | 165.9 | 169.2 | 161.5 | 140.7 |
| 25° | 49.8 | 73.9 | 94.2 | 71.7 | 59.1 |
| 27.5° | 30.1 | 29.6 | 46.0 | 31.8 | 32.3 |
| 30° | 18.6 | 18.1 | 19.2 | 19.2 | 19.7 |
| 32.5° | 10.4 | 10.9 | 10.4 | 11.5 | 10.9 |
| 35° | 5.5 | 6.0 | 6.0 | 6.6 | 6.0 |
| 37.5° | 3.3 | 3.8 | 3.8 | 3.8 | 3.3 |
| 40° | 1.6 | 2.2 | 2.2 | 1.6 | 1.6 |
| 42.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 45° | 1.1 | 0.5 | 0.5 | 0.5 | 1.1 |
| 47.5° | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 |
| 50° | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 |
| 52.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 |
| 55° | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 |
| 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)