

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: P1313342

Luminaire Tested: LDSQA3D05R259727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313342
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: LDSQA3D05R259727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

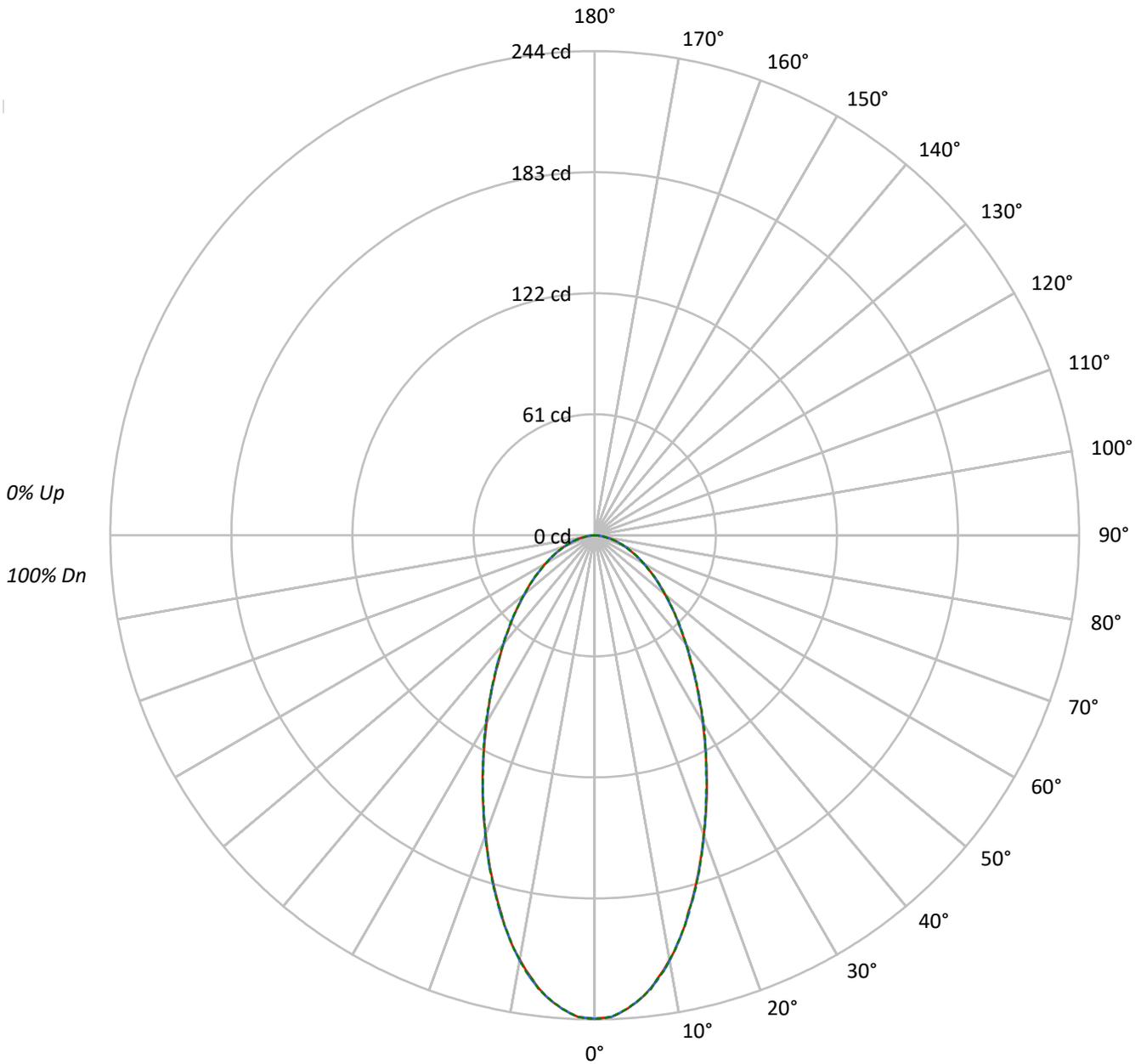
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 305.0 lumens
Efficiency: N/A
Efficacy: 42.4 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 (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

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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 | 102 | 102 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 90 | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 77 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 68 |
| 4 | 89 | 79 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 63 | 58 | 69 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 56 | 56 | 55 |
| 6 | 77 | 66 | 58 | 53 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 55 | 51 | 51 | 51 | 49 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 47 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 43 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 41953 | 41953 | 41953 |
| 5° | 40886 | 40886 | 40886 |
| 10° | 37984 | 38071 | 37984 |
| 15° | 33877 | 33966 | 33966 |
| 20° | 29452 | 29544 | 29452 |
| 25° | 25369 | 25293 | 25293 |
| 30° | 21637 | 21736 | 21816 |
| 35° | 18565 | 18565 | 18649 |
| 40° | 16097 | 16097 | 16097 |
| 45° | 14078 | 14078 | 14078 |
| 50° | 12325 | 12325 | 12459 |
| 55° | 11050 | 11050 | 11050 |
| 60° | 9817 | 9817 | 9817 |
| 65° | 8884 | 8884 | 8884 |
| 70° | 8006 | 7805 | 8006 |
| 75° | 7253 | 6987 | 6987 |
| 80° | 5852 | 5852 | 5852 |
| 85° | 4150 | 4150 | 4150 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14078 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 22.0 | 7.2 |
| 10°-20° | 53.0 | 17.4 |
| 20°-30° | 61.3 | 20.1 |
| 30°-40° | 55.5 | 18.2 |
| 40°-50° | 44.8 | 14.7 |
| 50°-60° | 33.0 | 10.8 |
| 60°-70° | 21.7 | 7.1 |
| 70°-80° | 11.2 | 3.7 |
| 80°-90° | 2.5 | 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° | 136.3 | 44.7 |
| 0°-40° | 191.8 | 62.9 |
| 0°-60° | 269.6 | 88.4 |
| 0°-90° | 305.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 305.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 244 | 244 | 244 | 244 | 244 | |
| 5° | 236 | 237 | 236 | 236 | 236 | 22 |
| 15° | 190 | 190 | 190 | 190 | 190 | 53 |
| 25° | 134 | 133 | 133 | 134 | 133 | 61 |
| 35° | 88 | 88 | 88 | 88 | 89 | 55 |
| 45° | 58 | 58 | 58 | 58 | 58 | 45 |
| 55° | 37 | 37 | 37 | 36 | 37 | 33 |
| 65° | 22 | 22 | 22 | 22 | 22 | 22 |
| 75° | 11 | 10 | 10 | 10 | 10 | 11 |
| 85° | 2 | 2 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 243.6 | 243.6 | 243.6 | 243.6 | 243.6 |
| 1° | 243.2 | 244.0 | 243.2 | 243.2 | 243.6 |
| 2° | 242.8 | 243.2 | 242.8 | 242.8 | 242.8 |
| 3° | 241.1 | 241.9 | 241.1 | 241.1 | 241.1 |
| 4° | 239.0 | 239.8 | 239.0 | 239.0 | 239.0 |
| 5° | 236.5 | 237.3 | 236.5 | 236.5 | 236.5 |
| 6° | 233.6 | 234.0 | 233.6 | 233.6 | 233.6 |
| 7° | 230.2 | 230.6 | 230.2 | 230.2 | 230.6 |
| 8° | 226.0 | 226.5 | 226.5 | 226.0 | 226.0 |
| 9° | 221.8 | 222.3 | 222.3 | 221.8 | 222.3 |
| 10° | 217.2 | 217.7 | 217.7 | 217.2 | 217.2 |
| 11° | 212.6 | 213.1 | 212.2 | 212.2 | 212.6 |
| 12° | 207.2 | 207.6 | 207.2 | 207.2 | 207.2 |
| 13° | 201.8 | 201.8 | 201.8 | 201.8 | 201.8 |
| 14° | 195.5 | 196.3 | 196.3 | 195.9 | 195.5 |
| 15° | 190.0 | 190.5 | 190.5 | 190.0 | 190.5 |
| 17.5° | 175.4 | 176.2 | 175.8 | 175.8 | 175.8 |
| 20° | 160.7 | 161.2 | 161.2 | 160.7 | 160.7 |
| 22.5° | 146.9 | 146.5 | 146.5 | 146.5 | 146.5 |
| 25° | 133.5 | 133.1 | 133.1 | 133.5 | 133.1 |
| 27.5° | 120.6 | 121.0 | 121.0 | 120.6 | 121.0 |
| 30° | 108.8 | 108.8 | 109.3 | 108.8 | 109.7 |
| 32.5° | 98.4 | 98.4 | 97.9 | 98.4 | 98.4 |
| 35° | 88.3 | 88.3 | 88.3 | 88.3 | 88.7 |
| 37.5° | 79.1 | 79.5 | 79.9 | 79.9 | 79.5 |
| 40° | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 42.5° | 64.0 | 64.0 | 64.5 | 64.5 | 64.5 |
| 45° | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 47.5° | 51.9 | 51.9 | 51.5 | 51.5 | 51.9 |
| 50° | 46.0 | 46.5 | 46.0 | 46.0 | 46.5 |
| 52.5° | 41.4 | 41.0 | 41.0 | 41.4 | 41.4 |
| 55° | 36.8 | 36.8 | 36.8 | 36.4 | 36.8 |
| 57.5° | 32.6 | 32.6 | 32.2 | 32.2 | 32.2 |
| 60° | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 62.5° | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 65° | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 |
| 67.5° | 18.8 | 18.8 | 18.8 | 18.8 | 18.4 |
| 70° | 15.9 | 15.9 | 15.5 | 15.5 | 15.9 |
| 72.5° | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| 75° | 10.9 | 10.5 | 10.5 | 10.5 | 10.5 |
| 77.5° | 8.4 | 8.4 | 8.0 | 8.4 | 8.0 |
| 80° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 82.5° | 4.2 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 |



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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)