

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: P1319548

Luminaire Tested: LDSQA3D20R359835D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359835D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

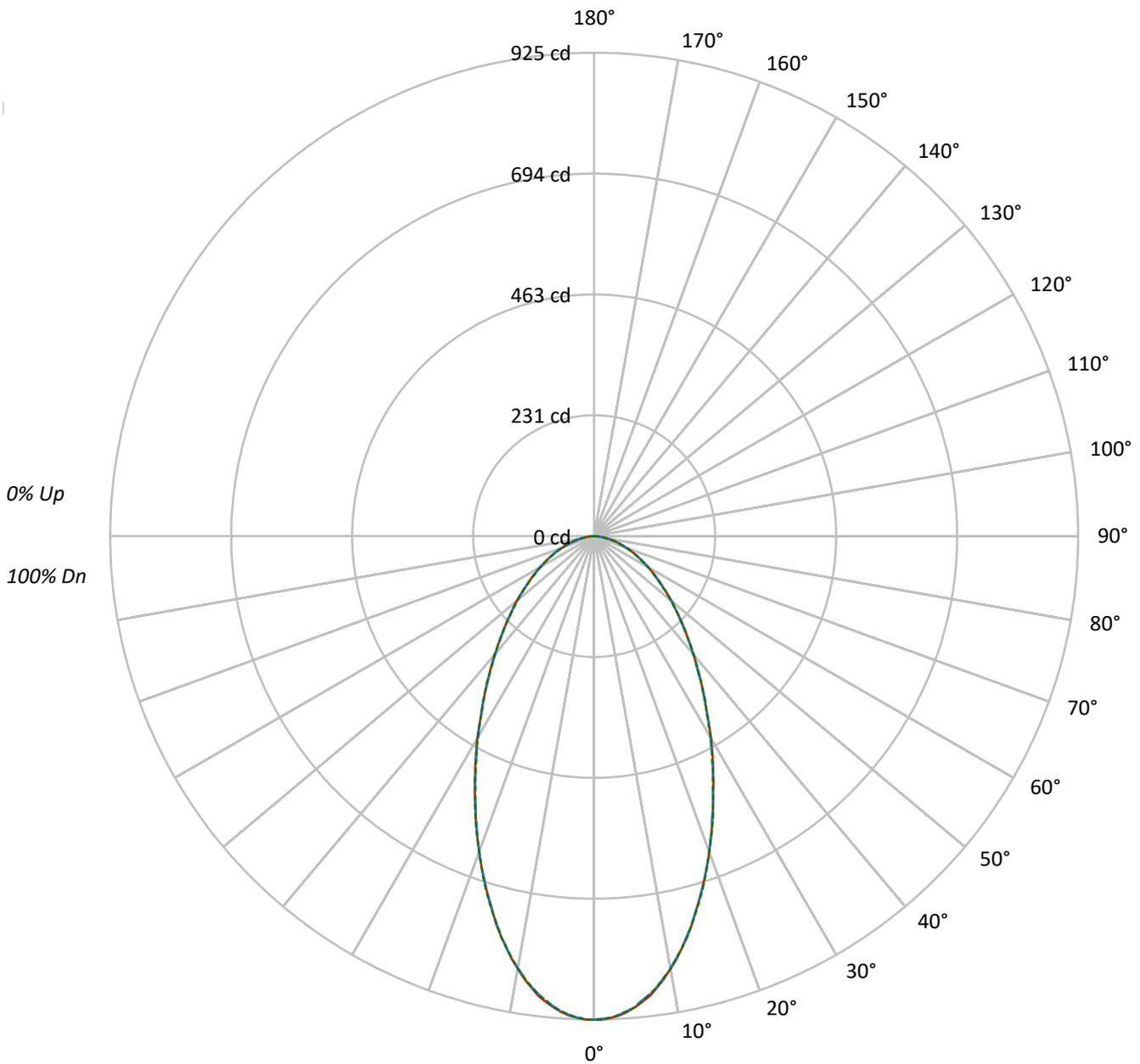
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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 | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 90 | 88 | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 79 | 77 | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 70 | 68 | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 60 | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 56 | 54 | |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 51 | 49 | |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 46 | 44 | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 42 | 41 | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 39 | 38 | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 35 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 159340 | 159340 | 159340 |
| 5° | 156370 | 156094 | 156370 |
| 10° | 147004 | 146741 | 147004 |
| 15° | 133099 | 133099 | 133385 |
| 20° | 117809 | 117809 | 117809 |
| 25° | 102462 | 102158 | 102158 |
| 30° | 88813 | 88197 | 88495 |
| 35° | 76466 | 76130 | 76466 |
| 40° | 66345 | 65985 | 66345 |
| 45° | 58284 | 57894 | 57894 |
| 50° | 51711 | 51282 | 51282 |
| 55° | 45490 | 45490 | 45490 |
| 60° | 41196 | 40645 | 41196 |
| 65° | 37043 | 37043 | 37043 |
| 70° | 32932 | 32932 | 32932 |
| 75° | 29744 | 28679 | 29744 |
| 80° | 25291 | 25291 | 25291 |
| 85° | 15808 | 15808 | 15808 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58284 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.2 | 6.8 |
| 10°-20° | 208.2 | 16.8 |
| 20°-30° | 247.4 | 20.0 |
| 30°-40° | 227.4 | 18.4 |
| 40°-50° | 184.6 | 14.9 |
| 50°-60° | 136.6 | 11.1 |
| 60°-70° | 90.3 | 7.3 |
| 70°-80° | 46.8 | 3.8 |
| 80°-90° | 10.5 | 0.9 |
| 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° | 539.8 | 43.7 |
| 0°-40° | 767.2 | 62.1 |
| 0°-60° | 1088.4 | 88.1 |
| 0°-90° | 1236.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1236.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 925 | 925 | 925 | 925 | 925 | |
| 5° | 904 | 903 | 903 | 903 | 904 | 84 |
| 15° | 746 | 746 | 746 | 746 | 748 | 208 |
| 25° | 539 | 538 | 538 | 539 | 538 | 248 |
| 35° | 364 | 362 | 362 | 364 | 364 | 228 |
| 45° | 239 | 238 | 238 | 238 | 238 | 185 |
| 55° | 152 | 152 | 152 | 152 | 152 | 137 |
| 65° | 91 | 91 | 91 | 91 | 91 | 90 |
| 75° | 45 | 45 | 43 | 45 | 45 | 47 |
| 85° | 8 | 8 | 8 | 8 | 8 | 10 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1319548

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 925.2 | 925.2 | 925.2 | 925.2 | 925.2 |
| 1° | 925.2 | 923.6 | 923.6 | 923.6 | 925.2 |
| 2° | 922.0 | 922.0 | 922.0 | 922.0 | 922.0 |
| 3° | 918.8 | 917.2 | 917.2 | 917.2 | 917.2 |
| 4° | 912.4 | 910.8 | 910.8 | 910.8 | 910.8 |
| 5° | 904.5 | 902.9 | 902.9 | 902.9 | 904.5 |
| 6° | 894.9 | 893.3 | 891.7 | 891.7 | 893.3 |
| 7° | 885.3 | 882.1 | 882.1 | 882.1 | 882.1 |
| 8° | 871.0 | 869.4 | 869.4 | 869.4 | 869.4 |
| 9° | 856.6 | 853.4 | 855.0 | 855.0 | 855.0 |
| 10° | 840.6 | 839.1 | 839.1 | 839.1 | 840.6 |
| 11° | 824.7 | 823.1 | 823.1 | 821.5 | 823.1 |
| 12° | 805.6 | 805.6 | 805.6 | 805.6 | 805.6 |
| 13° | 788.0 | 786.4 | 786.4 | 786.4 | 788.0 |
| 14° | 768.9 | 767.3 | 767.3 | 767.3 | 767.3 |
| 15° | 746.5 | 746.5 | 746.5 | 746.5 | 748.1 |
| 17.5° | 695.5 | 693.9 | 695.5 | 695.5 | 697.1 |
| 20° | 642.8 | 641.3 | 642.8 | 642.8 | 642.8 |
| 22.5° | 590.2 | 590.2 | 588.6 | 590.2 | 591.8 |
| 25° | 539.2 | 537.6 | 537.6 | 539.2 | 537.6 |
| 27.5° | 491.3 | 489.7 | 489.7 | 489.7 | 489.7 |
| 30° | 446.6 | 443.5 | 443.5 | 445.0 | 445.0 |
| 32.5° | 400.4 | 400.4 | 402.0 | 400.4 | 400.4 |
| 35° | 363.7 | 362.1 | 362.1 | 363.7 | 363.7 |
| 37.5° | 327.0 | 325.4 | 325.4 | 327.0 | 327.0 |
| 40° | 295.1 | 295.1 | 293.5 | 295.1 | 295.1 |
| 42.5° | 264.8 | 264.8 | 264.8 | 264.8 | 264.8 |
| 45° | 239.3 | 237.7 | 237.7 | 237.7 | 237.7 |
| 47.5° | 213.8 | 213.8 | 213.8 | 212.2 | 213.8 |
| 50° | 193.0 | 191.4 | 191.4 | 191.4 | 191.4 |
| 52.5° | 170.7 | 170.7 | 170.7 | 170.7 | 170.7 |
| 55° | 151.5 | 151.5 | 151.5 | 151.5 | 151.5 |
| 57.5° | 135.6 | 134.0 | 134.0 | 134.0 | 134.0 |
| 60° | 119.6 | 119.6 | 118.0 | 119.6 | 119.6 |
| 62.5° | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 |
| 65° | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 67.5° | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 70° | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 72.5° | 55.8 | 54.2 | 54.2 | 54.2 | 54.2 |
| 75° | 44.7 | 44.7 | 43.1 | 44.7 | 44.7 |
| 77.5° | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 80° | 25.5 | 25.5 | 25.5 | 23.9 | 25.5 |
| 82.5° | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 85° | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 87.5° | 1.6 | 1.6 | 1.6 | 3.2 | 3.2 |



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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)