

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: P1312852

Luminaire Tested: LDSQA3D20R259050D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312852
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: LDSQA3D20R259050D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

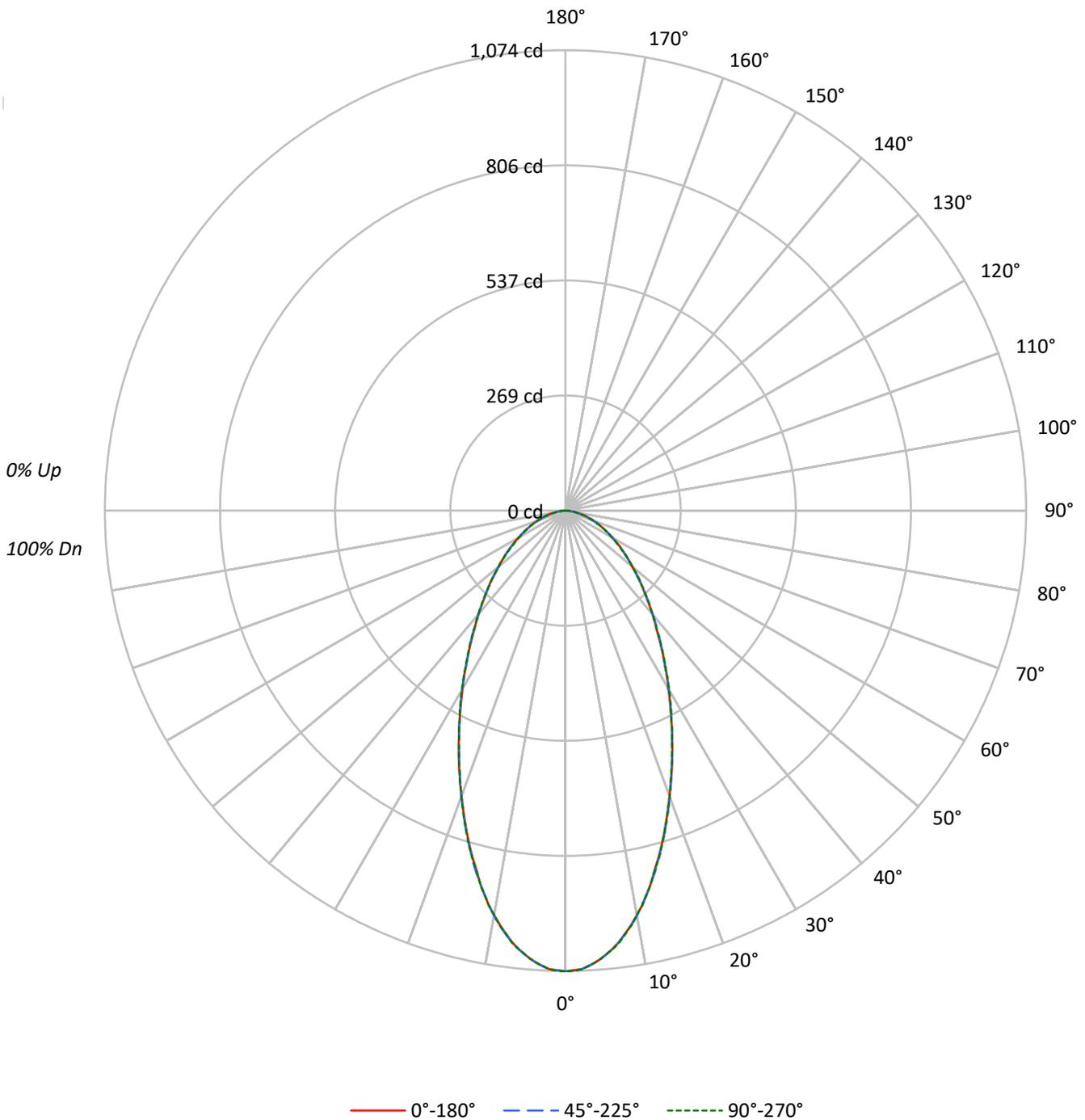
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1344.9 lumens
Efficiency: N/A
Efficacy: 46.7 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): 28.8
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





TEST NUMBER: P1312852

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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 | 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° | 185019 | 185019 | 185019 |
| 5° | 180297 | 180297 | 180297 |
| 10° | 167535 | 167867 | 167535 |
| 15° | 149414 | 149752 | 149752 |
| 20° | 129906 | 130254 | 129906 |
| 25° | 111888 | 111546 | 111546 |
| 30° | 95436 | 95813 | 96171 |
| 35° | 81890 | 81890 | 82269 |
| 40° | 70953 | 70953 | 70953 |
| 45° | 62035 | 62035 | 62035 |
| 50° | 54390 | 54390 | 54899 |
| 55° | 48762 | 48762 | 48762 |
| 60° | 43228 | 43228 | 43228 |
| 65° | 39121 | 39121 | 39121 |
| 70° | 35299 | 34392 | 35299 |
| 75° | 31940 | 30676 | 30676 |
| 80° | 25588 | 25588 | 25588 |
| 85° | 18180 | 18180 | 18180 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62035 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.9 | 7.2 |
| 10°-20° | 233.8 | 17.4 |
| 20°-30° | 270.2 | 20.1 |
| 30°-40° | 245.0 | 18.2 |
| 40°-50° | 197.4 | 14.7 |
| 50°-60° | 145.4 | 10.8 |
| 60°-70° | 95.7 | 7.1 |
| 70°-80° | 49.4 | 3.7 |
| 80°-90° | 11.1 | 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° | 601.0 | 44.7 |
| 0°-40° | 845.9 | 62.9 |
| 0°-60° | 1188.8 | 88.4 |
| 0°-90° | 1344.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1344.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1074 | 1074 | 1074 | 1074 | 1074 | |
| 5° | 1043 | 1047 | 1043 | 1043 | 1043 | 97 |
| 15° | 838 | 840 | 840 | 838 | 840 | 233 |
| 25° | 589 | 587 | 587 | 589 | 587 | 270 |
| 35° | 390 | 390 | 390 | 390 | 391 | 245 |
| 45° | 255 | 255 | 255 | 255 | 255 | 197 |
| 55° | 162 | 162 | 162 | 161 | 162 | 146 |
| 65° | 96 | 96 | 96 | 96 | 96 | 96 |
| 75° | 48 | 46 | 46 | 46 | 46 | 50 |
| 85° | 9 | 9 | 9 | 9 | 9 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312852

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1074.3 | 1074.3 | 1074.3 | 1074.3 | 1074.3 |
| 1° | 1072.5 | 1076.1 | 1072.5 | 1072.5 | 1074.3 |
| 2° | 1070.6 | 1072.5 | 1070.6 | 1070.6 | 1070.6 |
| 3° | 1063.2 | 1066.9 | 1063.2 | 1063.2 | 1063.2 |
| 4° | 1054.0 | 1057.7 | 1054.0 | 1054.0 | 1054.0 |
| 5° | 1042.9 | 1046.6 | 1042.9 | 1042.9 | 1042.9 |
| 6° | 1030.0 | 1031.8 | 1030.0 | 1030.0 | 1030.0 |
| 7° | 1015.2 | 1017.1 | 1015.2 | 1015.2 | 1017.1 |
| 8° | 996.8 | 998.6 | 998.6 | 996.8 | 996.8 |
| 9° | 978.3 | 980.2 | 980.2 | 978.3 | 980.2 |
| 10° | 958.0 | 959.9 | 959.9 | 958.0 | 958.0 |
| 11° | 937.7 | 939.6 | 935.9 | 935.9 | 937.7 |
| 12° | 913.7 | 915.6 | 913.7 | 913.7 | 913.7 |
| 13° | 889.7 | 889.7 | 889.7 | 889.7 | 889.7 |
| 14° | 862.0 | 865.7 | 865.7 | 863.9 | 862.0 |
| 15° | 838.0 | 839.9 | 839.9 | 838.0 | 839.9 |
| 17.5° | 773.4 | 777.1 | 775.3 | 775.3 | 775.3 |
| 20° | 708.8 | 710.7 | 710.7 | 708.8 | 708.8 |
| 22.5° | 647.9 | 646.1 | 646.1 | 646.1 | 646.1 |
| 25° | 588.8 | 587.0 | 587.0 | 588.8 | 587.0 |
| 27.5° | 531.6 | 533.5 | 533.5 | 531.6 | 533.5 |
| 30° | 479.9 | 479.9 | 481.8 | 479.9 | 483.6 |
| 32.5° | 433.8 | 433.8 | 431.9 | 433.8 | 433.8 |
| 35° | 389.5 | 389.5 | 389.5 | 389.5 | 391.3 |
| 37.5° | 348.9 | 350.7 | 352.6 | 352.6 | 350.7 |
| 40° | 315.6 | 315.6 | 315.6 | 315.6 | 315.6 |
| 42.5° | 282.4 | 282.4 | 284.3 | 284.3 | 284.3 |
| 45° | 254.7 | 254.7 | 254.7 | 254.7 | 254.7 |
| 47.5° | 228.9 | 228.9 | 227.0 | 227.0 | 228.9 |
| 50° | 203.0 | 204.9 | 203.0 | 203.0 | 204.9 |
| 52.5° | 182.7 | 180.9 | 180.9 | 182.7 | 182.7 |
| 55° | 162.4 | 162.4 | 162.4 | 160.6 | 162.4 |
| 57.5° | 144.0 | 144.0 | 142.1 | 142.1 | 142.1 |
| 60° | 125.5 | 125.5 | 125.5 | 125.5 | 125.5 |
| 62.5° | 110.8 | 110.8 | 110.8 | 110.8 | 110.8 |
| 65° | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 67.5° | 83.1 | 83.1 | 83.1 | 83.1 | 81.2 |
| 70° | 70.1 | 70.1 | 68.3 | 68.3 | 70.1 |
| 72.5° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 75° | 48.0 | 46.1 | 46.1 | 46.1 | 46.1 |
| 77.5° | 36.9 | 36.9 | 35.1 | 36.9 | 35.1 |
| 80° | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 82.5° | 18.5 | 16.6 | 16.6 | 16.6 | 16.6 |
| 85° | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 87.5° | 1.8 | 1.8 | 1.8 | 1.8 | 3.7 |



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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)