

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: P1319349

Luminaire Tested: LDSQA3D17R209835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209835DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

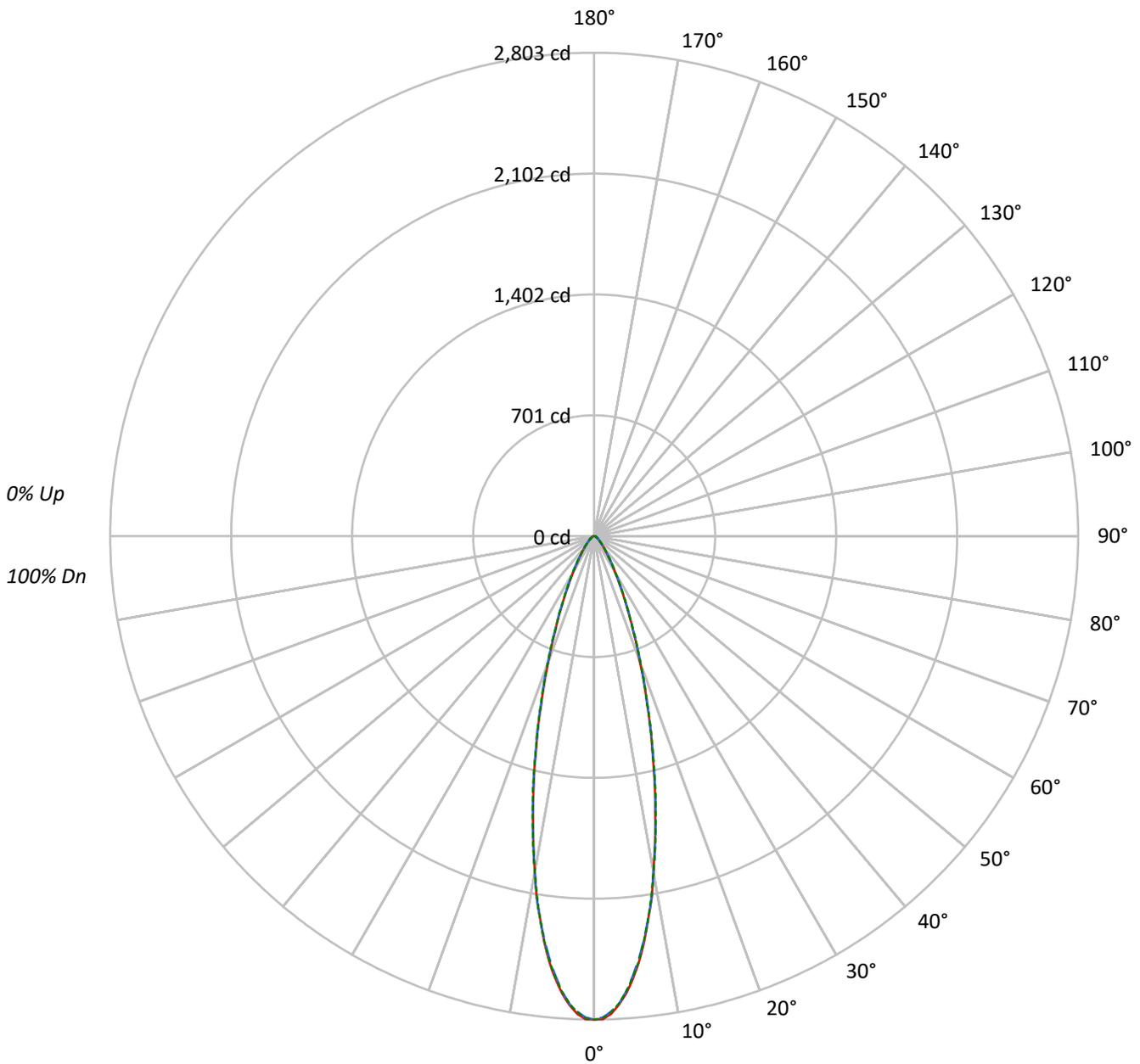
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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 | | | | 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 | 100 | 100 | 100 | 100 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 109 | 104 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 96 | 94 | 92 | 94 | 92 | 90 | 89 | 89 | 89 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 84 | 84 | 84 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 79 | 79 | 79 | 79 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 86 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 75 | 75 | 75 | 75 |
| 6 | 92 | 84 | 79 | 75 | 90 | 83 | 78 | 75 | 82 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 69 | 69 | 69 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 73 | 70 | 67 | 66 | 66 | 66 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 10 | 79 | 71 | 66 | 62 | 78 | 70 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 | 61 | 61 | 61 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 482723 | 482723 | 482723 |
| 5° | 445340 | 442782 | 444268 |
| 10° | 345579 | 346016 | 346016 |
| 15° | 233588 | 234676 | 234676 |
| 20° | 141855 | 143651 | 144329 |
| 25° | 83213 | 84372 | 84144 |
| 30° | 48543 | 49518 | 49756 |
| 35° | 29666 | 30422 | 30422 |
| 40° | 19312 | 19582 | 19852 |
| 45° | 13444 | 13737 | 14053 |
| 50° | 9860 | 10181 | 10181 |
| 55° | 7747 | 8107 | 8107 |
| 60° | 6751 | 6751 | 7199 |
| 65° | 5990 | 5990 | 6479 |
| 70° | 5539 | 5539 | 5539 |
| 75° | 4924 | 4924 | 4924 |
| 80° | 3670 | 3670 | 4860 |
| 85° | 2371 | 2371 | 4940 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 14053 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 226.0 | 22.9 |
| 10°-20° | 362.0 | 36.7 |
| 20°-30° | 209.6 | 21.3 |
| 30°-40° | 94.0 | 9.5 |
| 40°-50° | 44.6 | 4.5 |
| 50°-60° | 24.4 | 2.5 |
| 60°-70° | 14.8 | 1.5 |
| 70°-80° | 7.9 | 0.8 |
| 80°-90° | 1.7 | 0.2 |
| 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° | 797.6 | 81.0 |
| 0°-40° | 891.6 | 90.5 |
| 0°-60° | 960.5 | 97.5 |
| 0°-90° | 985.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 985.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2803 | 2803 | 2803 | 2803 | 2803 | |
| 5° | 2576 | 2567 | 2561 | 2566 | 2570 | 227 |
| 15° | 1310 | 1310 | 1316 | 1310 | 1316 | 361 |
| 25° | 438 | 438 | 444 | 440 | 443 | 207 |
| 35° | 141 | 142 | 145 | 146 | 145 | 92 |
| 45° | 55 | 55 | 56 | 56 | 58 | 44 |
| 55° | 26 | 26 | 27 | 27 | 27 | 24 |
| 65° | 15 | 15 | 15 | 15 | 16 | 15 |
| 75° | 7 | 7 | 7 | 7 | 7 | 8 |
| 85° | 1 | 1 | 1 | 1 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1319349

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2802.9 | 2802.9 | 2802.9 | 2802.9 | 2802.9 |
| 1° | 2801.7 | 2794.3 | 2791.8 | 2789.4 | 2796.8 |
| 2° | 2773.4 | 2764.9 | 2760.0 | 2762.4 | 2763.6 |
| 3° | 2723.2 | 2718.2 | 2718.2 | 2714.6 | 2717.0 |
| 4° | 2658.1 | 2648.3 | 2648.3 | 2649.6 | 2649.6 |
| 5° | 2576.0 | 2567.4 | 2561.2 | 2566.1 | 2569.8 |
| 6° | 2484.0 | 2472.9 | 2468.0 | 2469.2 | 2477.8 |
| 7° | 2371.1 | 2356.4 | 2358.8 | 2365.0 | 2365.0 |
| 8° | 2243.5 | 2242.3 | 2244.8 | 2242.3 | 2244.8 |
| 9° | 2125.8 | 2108.6 | 2123.3 | 2111.1 | 2117.2 |
| 10° | 1976.1 | 1974.9 | 1978.6 | 1982.3 | 1978.6 |
| 12.5° | 1635.1 | 1641.3 | 1643.7 | 1638.8 | 1649.8 |
| 15° | 1310.1 | 1310.1 | 1316.2 | 1310.1 | 1316.2 |
| 17.5° | 1019.3 | 1018.1 | 1023.0 | 1018.1 | 1025.5 |
| 20° | 774.0 | 782.6 | 783.8 | 783.8 | 787.5 |
| 22.5° | 583.9 | 583.9 | 588.8 | 590.0 | 587.6 |
| 25° | 437.9 | 437.9 | 444.0 | 440.4 | 442.8 |
| 27.5° | 323.8 | 326.3 | 331.2 | 333.6 | 333.6 |
| 30° | 244.1 | 245.3 | 249.0 | 250.2 | 250.2 |
| 32.5° | 184.0 | 186.5 | 188.9 | 190.1 | 191.4 |
| 35° | 141.1 | 142.3 | 144.7 | 146.0 | 144.7 |
| 37.5° | 107.9 | 109.2 | 111.6 | 112.9 | 112.9 |
| 40° | 85.9 | 85.9 | 87.1 | 88.3 | 88.3 |
| 42.5° | 67.5 | 68.7 | 68.7 | 69.9 | 69.9 |
| 45° | 55.2 | 55.2 | 56.4 | 56.4 | 57.7 |
| 47.5° | 44.2 | 44.2 | 45.4 | 46.6 | 46.6 |
| 50° | 36.8 | 36.8 | 38.0 | 38.0 | 38.0 |
| 52.5° | 30.7 | 30.7 | 31.9 | 31.9 | 31.9 |
| 55° | 25.8 | 25.8 | 27.0 | 27.0 | 27.0 |
| 57.5° | 22.1 | 22.1 | 23.3 | 23.3 | 23.3 |
| 60° | 19.6 | 19.6 | 19.6 | 19.6 | 20.9 |
| 62.5° | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 65° | 14.7 | 14.7 | 14.7 | 14.7 | 15.9 |
| 67.5° | 12.3 | 12.3 | 12.3 | 12.3 | 13.5 |
| 70° | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 72.5° | 8.6 | 8.6 | 8.6 | 9.8 | 9.8 |
| 75° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 77.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 80° | 3.7 | 3.7 | 3.7 | 4.9 | 4.9 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 2.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)