

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: P1316912

Luminaire Tested: LDSQA3D20R359740D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359740D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

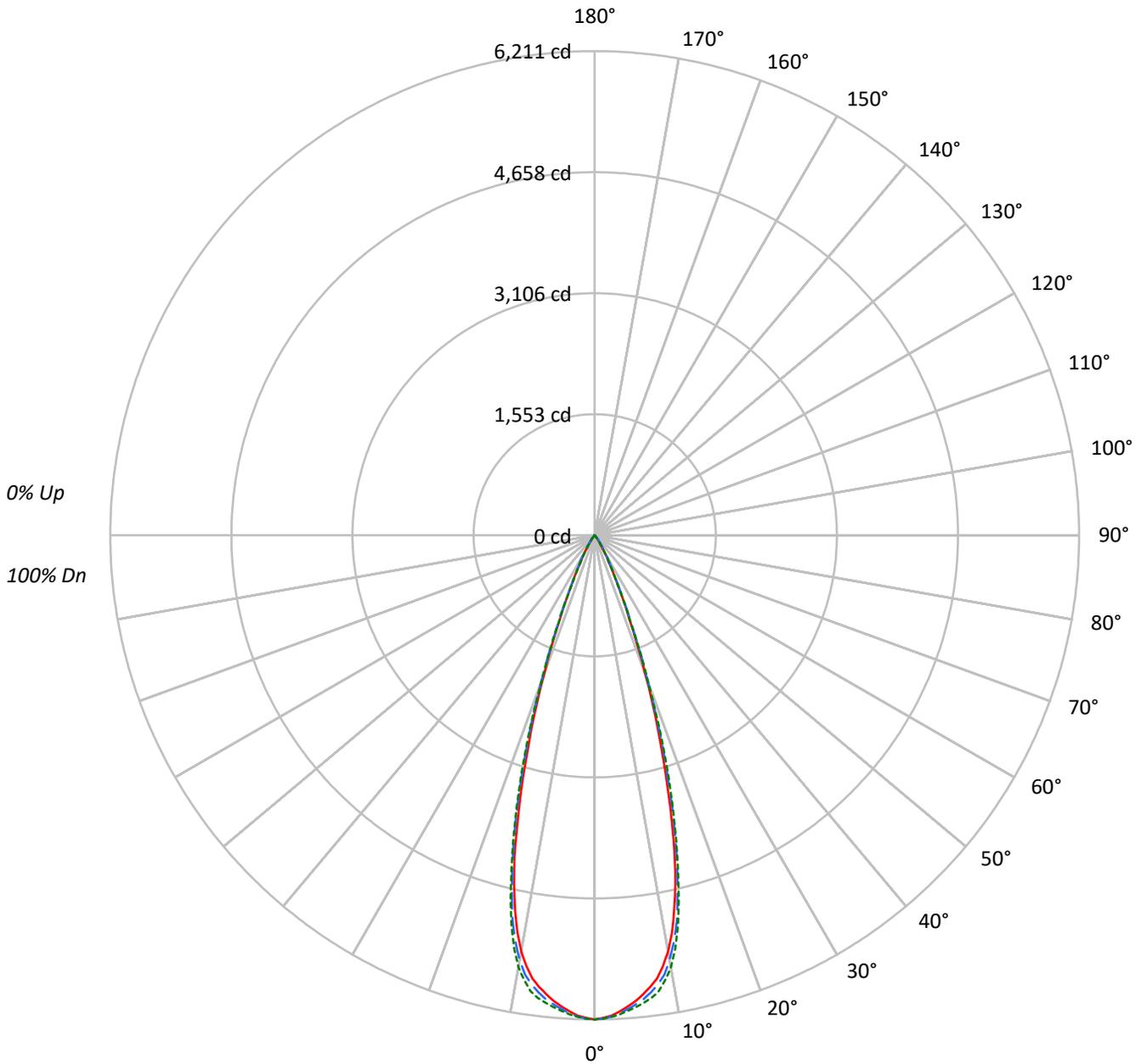
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2068.0 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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 (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 | | 0 |
| RCR | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | | 96 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | | 93 |
| 3 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 96 | 94 | 92 | 94 | 92 | 91 | | 89 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 88 | 92 | 89 | 87 | | 86 |
| 5 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 88 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | | 83 |
| 6 | 97 | 91 | 86 | 83 | 96 | 90 | 86 | 83 | 89 | 85 | 83 | 88 | 84 | 82 | 86 | 84 | 82 | | 80 |
| 7 | 94 | 88 | 83 | 80 | 93 | 87 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | | 78 |
| 8 | 91 | 85 | 80 | 77 | 91 | 84 | 80 | 77 | 83 | 80 | 77 | 82 | 79 | 77 | 81 | 79 | 76 | | 75 |
| 9 | 89 | 82 | 78 | 75 | 88 | 81 | 77 | 75 | 81 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | | 73 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 75 | 72 | 78 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 72 | | 71 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1069692 | 1069692 | 1069692 |
| 5° | 1037248 | 1044613 | 1050266 |
| 10° | 947847 | 967888 | 984501 |
| 15° | 681633 | 711409 | 717257 |
| 20° | 347032 | 364443 | 365341 |
| 25° | 131669 | 134463 | 130719 |
| 30° | 51148 | 59282 | 49836 |
| 35° | 17555 | 27542 | 16525 |
| 40° | 5890 | 10679 | 5531 |
| 45° | 390 | 3580 | 390 |
| 50° | 0 | 429 | 0 |
| 55° | 0 | 0 | 0 |
| 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: 45°
 Vertical Angle: 45°
 Luminance: 3580 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 562.2 | 27.2 |
| 10°-20° | 1047.5 | 50.7 |
| 20°-30° | 376.5 | 18.2 |
| 30°-40° | 73.5 | 3.6 |
| 40°-50° | 8.2 | 0.4 |
| 50°-60° | 0.0 | 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° | 1986.3 | 96.0 |
| 0°-40° | 2059.8 | 99.6 |
| 0°-60° | 2068.0 | 100.0 |
| 0°-90° | 2068.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2068.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 6211 | 6211 | 6211 | 6211 | 6211 | |
| 5° | 6000 | 6016 | 6042 | 6070 | 6075 | 556 |
| 15° | 3823 | 3887 | 3990 | 4018 | 4023 | 1016 |
| 25° | 693 | 699 | 708 | 703 | 688 | 363 |
| 35° | 84 | 95 | 131 | 97 | 79 | 62 |
| 45° | 2 | 5 | 15 | 5 | 2 | 4 |
| 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 |



TEST NUMBER: P1316912

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 6211.1 | 6211.1 | 6211.1 | 6211.1 | 6211.1 |
| 1° | 6193.1 | 6201.3 | 6202.9 | 6214.4 | 6201.3 |
| 2° | 6166.9 | 6171.8 | 6178.3 | 6188.2 | 6181.6 |
| 3° | 6116.1 | 6125.9 | 6140.7 | 6153.8 | 6153.8 |
| 4° | 6062.0 | 6075.1 | 6093.2 | 6116.1 | 6114.5 |
| 5° | 5999.8 | 6016.2 | 6042.4 | 6070.2 | 6075.1 |
| 6° | 5921.2 | 5940.8 | 5983.4 | 6022.7 | 6029.3 |
| 7° | 5837.6 | 5867.1 | 5908.1 | 5965.4 | 5980.1 |
| 8° | 5739.4 | 5762.3 | 5821.3 | 5888.4 | 5904.8 |
| 9° | 5595.2 | 5629.6 | 5705.0 | 5767.2 | 5777.0 |
| 10° | 5420.0 | 5444.5 | 5534.6 | 5600.1 | 5629.6 |
| 11° | 5193.9 | 5230.0 | 5318.4 | 5385.6 | 5405.2 |
| 12° | 4905.7 | 4958.1 | 5061.3 | 5110.4 | 5126.8 |
| 13° | 4594.4 | 4638.7 | 4718.9 | 4779.5 | 4792.6 |
| 14° | 4243.9 | 4286.5 | 4370.0 | 4419.2 | 4407.7 |
| 15° | 3823.0 | 3886.8 | 3990.0 | 4017.9 | 4022.8 |
| 17.5° | 2823.8 | 2864.8 | 2956.5 | 3000.7 | 3031.8 |
| 20° | 1893.5 | 1932.8 | 1988.5 | 2018.0 | 1993.4 |
| 22.5° | 1151.5 | 1184.2 | 1213.7 | 1212.1 | 1203.9 |
| 25° | 692.9 | 699.4 | 707.6 | 702.7 | 687.9 |
| 27.5° | 404.6 | 422.6 | 447.2 | 430.8 | 406.2 |
| 30° | 257.2 | 271.9 | 298.1 | 270.3 | 250.6 |
| 32.5° | 135.9 | 172.0 | 199.8 | 162.2 | 142.5 |
| 35° | 83.5 | 95.0 | 131.0 | 96.6 | 78.6 |
| 37.5° | 50.8 | 59.0 | 81.9 | 57.3 | 45.9 |
| 40° | 26.2 | 37.7 | 47.5 | 34.4 | 24.6 |
| 42.5° | 8.2 | 18.0 | 26.2 | 16.4 | 8.2 |
| 45° | 1.6 | 4.9 | 14.7 | 4.9 | 1.6 |
| 47.5° | 0.0 | 0.0 | 6.6 | 1.6 | 0.0 |
| 50° | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)