

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: P1313948

Luminaire Tested: LDSQA3D20R209727D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209727D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

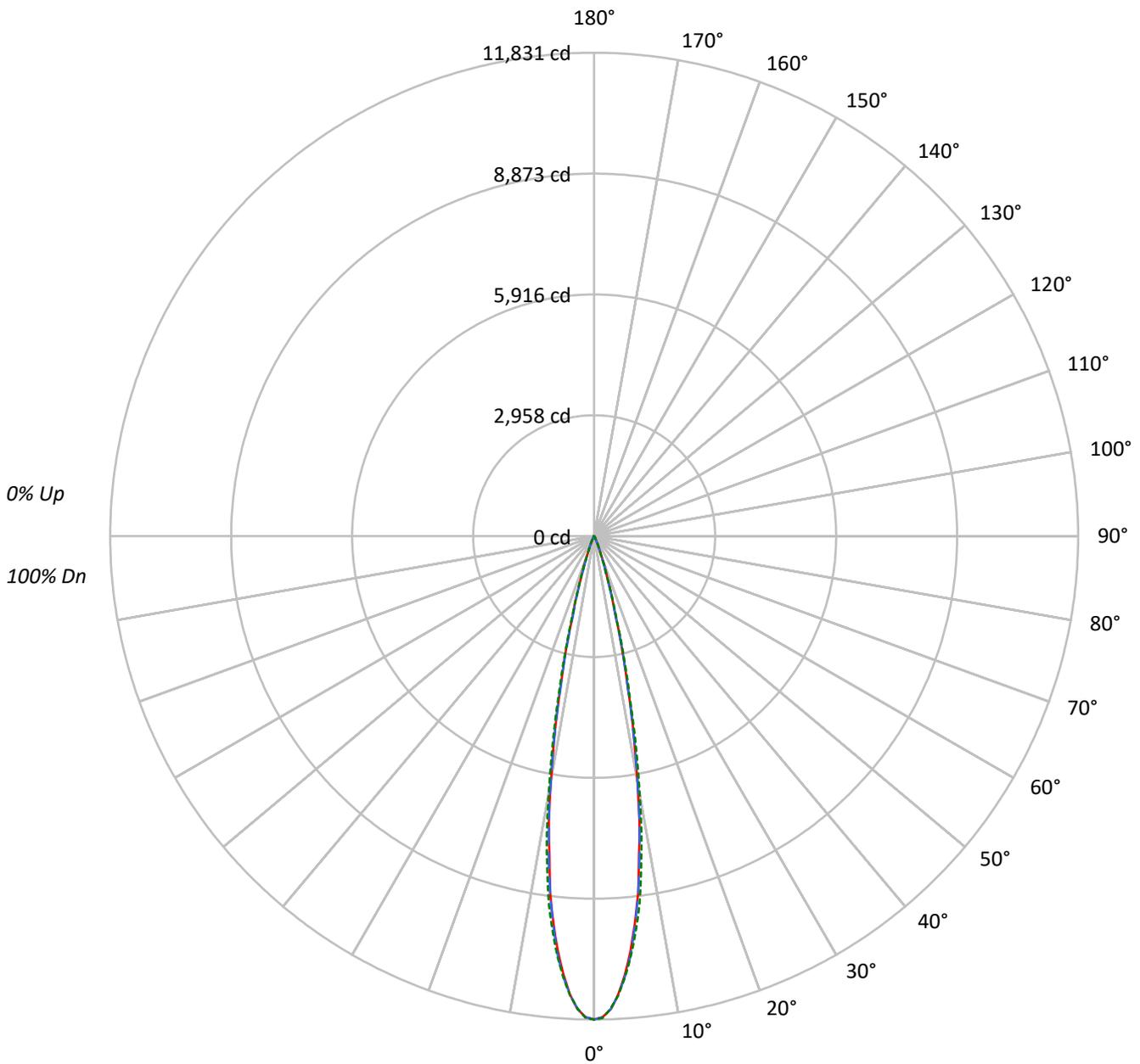
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1589.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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 | 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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 98 | 96 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 95 | 96 | 95 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 95 | 93 | 92 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 93 | 91 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 2037497 | 2037497 | 2037497 |
| 5° | 1760148 | 1776555 | 1783159 |
| 10° | 1059595 | 1069493 | 1122726 |
| 15° | 366492 | 357915 | 386443 |
| 20° | 96256 | 90556 | 90813 |
| 25° | 20979 | 25293 | 28789 |
| 30° | 9009 | 9009 | 9287 |
| 35° | 5067 | 4457 | 4773 |
| 40° | 2226 | 2540 | 2855 |
| 45° | 682 | 1023 | 1023 |
| 50° | 375 | 375 | 375 |
| 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: 22.5°
 Vertical Angle: 45°
 Luminance: 1023 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 846.2 | 53.3 |
| 10°-20° | 644.2 | 40.5 |
| 20°-30° | 79.7 | 5.0 |
| 30°-40° | 15.1 | 0.9 |
| 40°-50° | 3.6 | 0.2 |
| 50°-60° | 0.2 | 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° | 1570.1 | 98.8 |
| 0°-40° | 1585.1 | 99.8 |
| 0°-60° | 1589.0 | 100.0 |
| 0°-90° | 1589.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1589.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 11831 | 11831 | 11831 | 11831 | 11831 | |
| 5° | 10181 | 10174 | 10276 | 10269 | 10314 | 840 |
| 15° | 2056 | 1982 | 2007 | 2128 | 2167 | 644 |
| 25° | 110 | 126 | 133 | 139 | 152 | 76 |
| 35° | 24 | 24 | 21 | 23 | 23 | 15 |
| 45° | 3 | 4 | 4 | 4 | 4 | 3 |
| 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 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 11830.6 | 11830.6 | 11830.6 | 11830.6 | 11830.6 |
| 1° | 11775.4 | 11761.2 | 11772.5 | 11748.5 | 11798.0 |
| 2° | 11587.1 | 11572.9 | 11572.9 | 11558.8 | 11565.8 |
| 3° | 11236.0 | 11258.6 | 11244.5 | 11214.8 | 11253.0 |
| 4° | 10757.5 | 10783.0 | 10805.6 | 10807.1 | 10812.7 |
| 5° | 10181.3 | 10174.3 | 10276.2 | 10269.1 | 10314.4 |
| 6° | 9524.5 | 9516.0 | 9559.9 | 9633.5 | 9724.1 |
| 7° | 8802.5 | 8699.2 | 8816.7 | 8965.3 | 9087.0 |
| 8° | 7868.2 | 7895.1 | 7975.8 | 8151.3 | 8249.0 |
| 9° | 7075.4 | 6918.3 | 7089.6 | 7299.1 | 7405.3 |
| 10° | 6059.0 | 5931.6 | 6115.6 | 6336.4 | 6420.0 |
| 12.5° | 3813.8 | 3703.3 | 3762.8 | 3995.0 | 4031.8 |
| 15° | 2055.5 | 1981.9 | 2007.4 | 2127.7 | 2167.4 |
| 17.5° | 1049.0 | 982.5 | 968.3 | 1044.7 | 1053.2 |
| 20° | 525.2 | 509.6 | 494.1 | 501.1 | 495.5 |
| 22.5° | 243.5 | 264.7 | 261.9 | 247.7 | 264.7 |
| 25° | 110.4 | 126.0 | 133.1 | 138.7 | 151.5 |
| 27.5° | 68.0 | 65.1 | 75.0 | 80.7 | 82.1 |
| 30° | 45.3 | 43.9 | 45.3 | 46.7 | 46.7 |
| 32.5° | 32.6 | 31.1 | 29.7 | 29.7 | 31.1 |
| 35° | 24.1 | 24.1 | 21.2 | 22.7 | 22.7 |
| 37.5° | 17.0 | 17.0 | 15.6 | 17.0 | 17.0 |
| 40° | 9.9 | 11.3 | 11.3 | 11.3 | 12.7 |
| 42.5° | 5.7 | 7.1 | 7.1 | 7.1 | 7.1 |
| 45° | 2.8 | 4.2 | 4.2 | 4.2 | 4.2 |
| 47.5° | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 |
| 50° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 52.5° | 1.4 | 0.0 | 0.0 | 0.0 | 1.4 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)