

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: P1312527

Luminaire Tested: LDSQA3D13R209050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312527
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: LDSQA3D13R209050DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

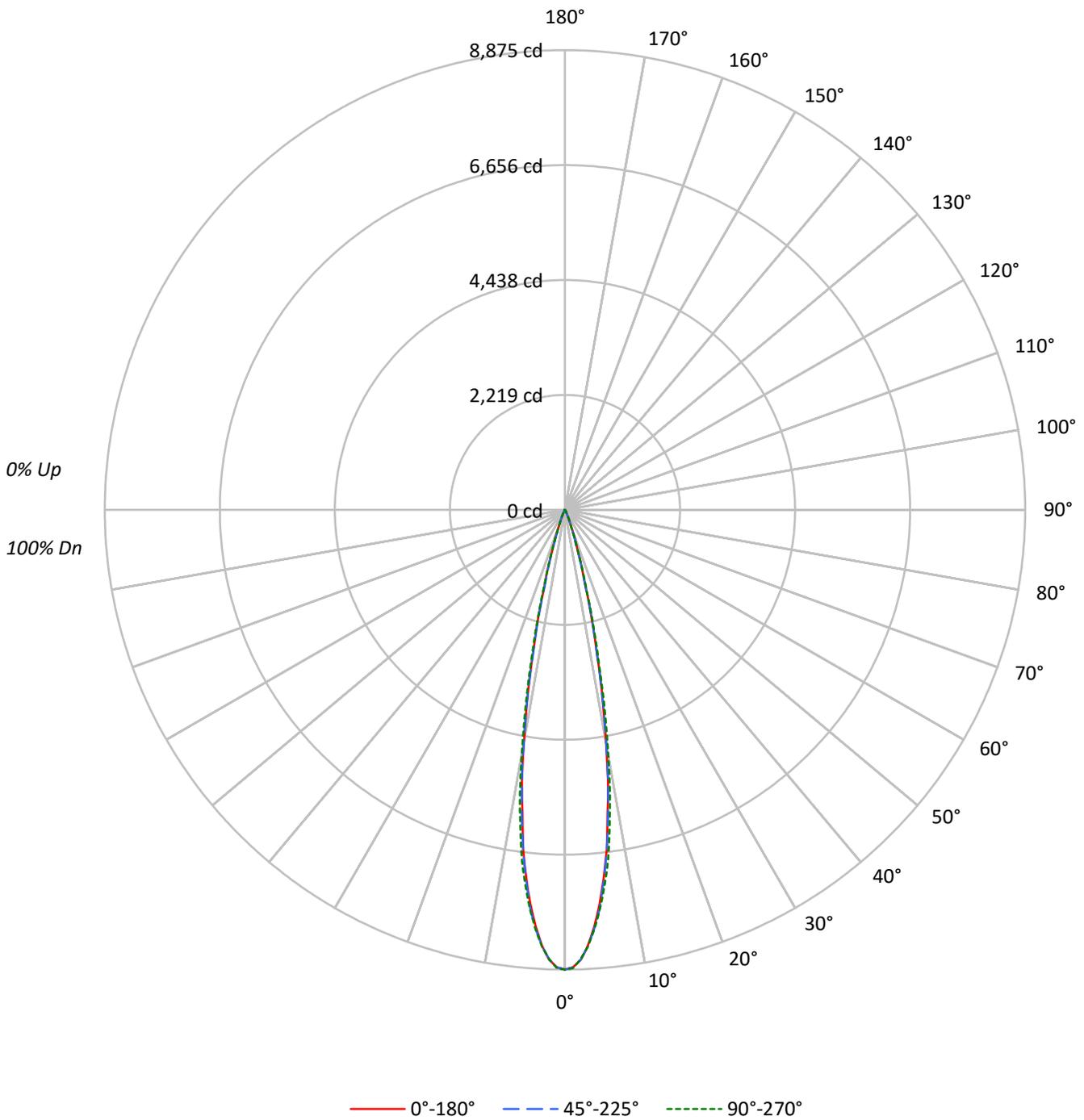
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.0 lumens
Efficiency: N/A
Efficacy: 81.6 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): 14.6
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





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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 | 97 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 95 | 95 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 96 | 95 | 93 | 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° | 1528441 | 1528441 | 1528441 |
| 5° | 1320392 | 1332701 | 1337646 |
| 10° | 794862 | 802294 | 842219 |
| 15° | 274936 | 268499 | 289895 |
| 20° | 72211 | 67922 | 68124 |
| 25° | 15734 | 18965 | 21587 |
| 30° | 6761 | 6761 | 6960 |
| 35° | 3805 | 3343 | 3574 |
| 40° | 1664 | 1911 | 2158 |
| 45° | 511 | 779 | 779 |
| 50° | 295 | 295 | 295 |
| 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: 779 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 634.8 | 53.3 |
| 10°-20° | 483.3 | 40.5 |
| 20°-30° | 59.8 | 5.0 |
| 30°-40° | 11.3 | 0.9 |
| 40°-50° | 2.7 | 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° | 1177.8 | 98.8 |
| 0°-40° | 1189.1 | 99.8 |
| 0°-60° | 1192.0 | 100.0 |
| 0°-90° | 1192.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1192.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8875 | 8875 | 8875 | 8875 | 8875 | |
| 5° | 7638 | 7632 | 7709 | 7703 | 7737 | 630 |
| 15° | 1542 | 1487 | 1506 | 1596 | 1626 | 483 |
| 25° | 83 | 94 | 100 | 104 | 114 | 57 |
| 35° | 18 | 18 | 16 | 17 | 17 | 12 |
| 45° | 2 | 3 | 3 | 3 | 3 | 2 |
| 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° | 8874.8 | 8874.8 | 8874.8 | 8874.8 | 8874.8 |
| 1° | 8833.4 | 8822.8 | 8831.2 | 8813.2 | 8850.4 |
| 2° | 8692.1 | 8681.5 | 8681.5 | 8670.9 | 8676.2 |
| 3° | 8428.8 | 8445.8 | 8435.1 | 8412.8 | 8441.5 |
| 4° | 8069.8 | 8088.9 | 8105.9 | 8107.0 | 8111.2 |
| 5° | 7637.6 | 7632.3 | 7708.8 | 7703.4 | 7737.4 |
| 6° | 7144.9 | 7138.5 | 7171.4 | 7226.6 | 7294.6 |
| 7° | 6603.3 | 6525.7 | 6613.9 | 6725.4 | 6816.7 |
| 8° | 5902.4 | 5922.5 | 5983.1 | 6114.8 | 6188.0 |
| 9° | 5307.7 | 5189.8 | 5318.3 | 5475.5 | 5555.1 |
| 10° | 4545.2 | 4449.6 | 4587.7 | 4753.3 | 4816.0 |
| 12.5° | 2860.9 | 2778.1 | 2822.7 | 2996.8 | 3024.5 |
| 15° | 1542.0 | 1486.7 | 1505.9 | 1596.1 | 1625.9 |
| 17.5° | 786.9 | 737.0 | 726.4 | 783.7 | 790.1 |
| 20° | 394.0 | 382.3 | 370.6 | 375.9 | 371.7 |
| 22.5° | 182.7 | 198.6 | 196.5 | 185.8 | 198.6 |
| 25° | 82.8 | 94.5 | 99.8 | 104.1 | 113.6 |
| 27.5° | 51.0 | 48.9 | 56.3 | 60.5 | 61.6 |
| 30° | 34.0 | 32.9 | 34.0 | 35.0 | 35.0 |
| 32.5° | 24.4 | 23.4 | 22.3 | 22.3 | 23.4 |
| 35° | 18.1 | 18.1 | 15.9 | 17.0 | 17.0 |
| 37.5° | 12.7 | 12.7 | 11.7 | 12.7 | 12.7 |
| 40° | 7.4 | 8.5 | 8.5 | 8.5 | 9.6 |
| 42.5° | 4.2 | 5.3 | 5.3 | 5.3 | 5.3 |
| 45° | 2.1 | 3.2 | 3.2 | 3.2 | 3.2 |
| 47.5° | 1.1 | 1.1 | 1.1 | 2.1 | 2.1 |
| 50° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 52.5° | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| 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)