

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: P1318030

Luminaire Tested: LDSQA3D05R209830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

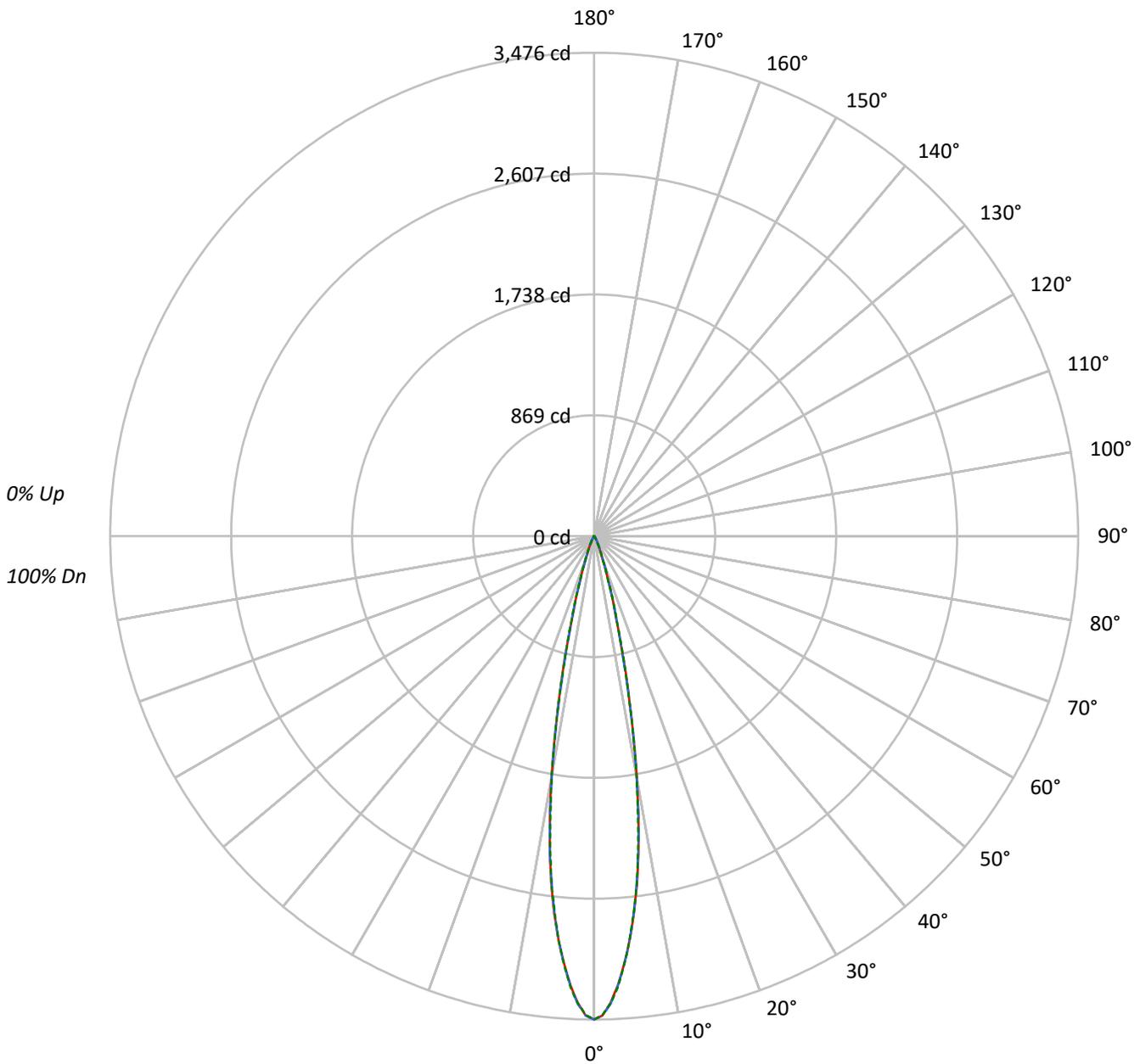
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 479.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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% Up
100% Dn

— 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 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 97 | 98 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 97 | 96 | 94 | 95 |
| 3 | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 99 | 97 | 96 | 97 | 96 | 94 | 97 | 96 | 94 | 93 |
| 4 | 107 | 102 | 98 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 92 | 96 | 94 | 92 | 91 |
| 5 | 104 | 99 | 95 | 93 | 103 | 98 | 95 | 92 | 97 | 94 | 92 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 6 | 102 | 96 | 93 | 90 | 101 | 96 | 92 | 90 | 94 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 7 | 100 | 94 | 90 | 88 | 99 | 94 | 90 | 88 | 92 | 90 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 8 | 97 | 92 | 88 | 86 | 97 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 85 | 89 | 87 | 85 | 89 | 87 | 85 | 84 |
| 9 | 96 | 90 | 87 | 84 | 95 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 86 | 84 | 87 | 85 | 83 | 87 | 85 | 83 | 83 |
| 10 | 94 | 88 | 85 | 83 | 93 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 84 | 82 | 86 | 84 | 82 | 81 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 598629 | 598629 | 598629 |
| 5° | 504552 | 504742 | 504483 |
| 10° | 307456 | 306039 | 306756 |
| 15° | 108298 | 108762 | 112132 |
| 20° | 34034 | 34987 | 34236 |
| 25° | 12751 | 13948 | 13093 |
| 30° | 4932 | 7000 | 5151 |
| 35° | 1871 | 3112 | 2018 |
| 40° | 989 | 1326 | 989 |
| 45° | 365 | 633 | 463 |
| 50° | 188 | 295 | 188 |
| 55° | 210 | 210 | 210 |
| 60° | 138 | 138 | 138 |
| 65° | 163 | 163 | 163 |
| 70° | 201 | 201 | 201 |
| 75° | 0 | 0 | 266 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 633 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 241.3 | 50.4 |
| 10°-20° | 189.2 | 39.5 |
| 20°-30° | 37.2 | 7.8 |
| 30°-40° | 8.3 | 1.7 |
| 40°-50° | 1.9 | 0.4 |
| 50°-60° | 0.6 | 0.1 |
| 60°-70° | 0.4 | 0.1 |
| 70°-80° | 0.2 | 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° | 467.6 | 97.6 |
| 0°-40° | 476.0 | 99.4 |
| 0°-60° | 478.4 | 99.9 |
| 0°-90° | 479.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 479.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3476 | 3476 | 3476 | 3476 | 3476 | |
| 5° | 2918 | 2921 | 2920 | 2930 | 2918 | 242 |
| 15° | 607 | 610 | 610 | 623 | 629 | 189 |
| 25° | 67 | 72 | 73 | 72 | 69 | 35 |
| 35° | 9 | 11 | 15 | 11 | 10 | 7 |
| 45° | 2 | 2 | 3 | 2 | 2 | 1 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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° | 3475.9 | 3475.9 | 3475.9 | 3475.9 | 3475.9 |
| 1° | 3447.7 | 3440.3 | 3448.8 | 3442.2 | 3443.7 |
| 2° | 3358.4 | 3354.3 | 3365.5 | 3358.4 | 3362.1 |
| 3° | 3234.3 | 3229.1 | 3237.2 | 3237.6 | 3248.0 |
| 4° | 3086.0 | 3076.0 | 3088.3 | 3088.6 | 3090.5 |
| 5° | 2918.5 | 2921.1 | 2919.6 | 2929.6 | 2918.1 |
| 6° | 2730.2 | 2738.8 | 2727.7 | 2733.2 | 2717.3 |
| 7° | 2519.7 | 2509.0 | 2503.4 | 2505.3 | 2516.4 |
| 8° | 2287.4 | 2280.0 | 2288.1 | 2276.6 | 2268.8 |
| 9° | 2029.1 | 2016.1 | 2025.0 | 2013.9 | 2002.7 |
| 10° | 1758.1 | 1752.2 | 1750.0 | 1737.4 | 1754.1 |
| 11° | 1486.5 | 1468.7 | 1477.6 | 1471.3 | 1489.5 |
| 12° | 1232.3 | 1233.7 | 1216.3 | 1221.9 | 1224.1 |
| 13° | 1002.9 | 979.1 | 982.1 | 997.3 | 999.9 |
| 14° | 777.9 | 781.2 | 782.3 | 793.1 | 799.4 |
| 15° | 607.4 | 610.0 | 610.0 | 623.4 | 628.9 |
| 17.5° | 325.8 | 325.8 | 332.8 | 334.3 | 335.0 |
| 20° | 185.7 | 186.8 | 190.9 | 190.5 | 186.8 |
| 22.5° | 111.2 | 113.4 | 115.6 | 113.4 | 111.2 |
| 25° | 67.1 | 71.5 | 73.4 | 72.3 | 68.9 |
| 27.5° | 40.0 | 44.8 | 50.0 | 46.0 | 39.7 |
| 30° | 24.8 | 27.4 | 35.2 | 28.2 | 25.9 |
| 32.5° | 13.7 | 17.8 | 24.1 | 18.5 | 14.1 |
| 35° | 8.9 | 10.7 | 14.8 | 10.7 | 9.6 |
| 37.5° | 6.3 | 7.4 | 9.3 | 7.8 | 6.7 |
| 40° | 4.4 | 5.2 | 5.9 | 5.6 | 4.4 |
| 42.5° | 3.0 | 3.7 | 4.1 | 3.7 | 3.0 |
| 45° | 1.5 | 2.2 | 2.6 | 2.2 | 1.9 |
| 47.5° | 0.7 | 1.1 | 1.9 | 1.1 | 0.7 |
| 50° | 0.7 | 0.7 | 1.1 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57.5° | 0.7 | 0.7 | 0.4 | 0.7 | 0.4 |
| 60° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 62.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 65° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 67.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 70° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 72.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 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)