

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: P1309609

Luminaire Tested: LDSQA3D20R559030D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559030D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

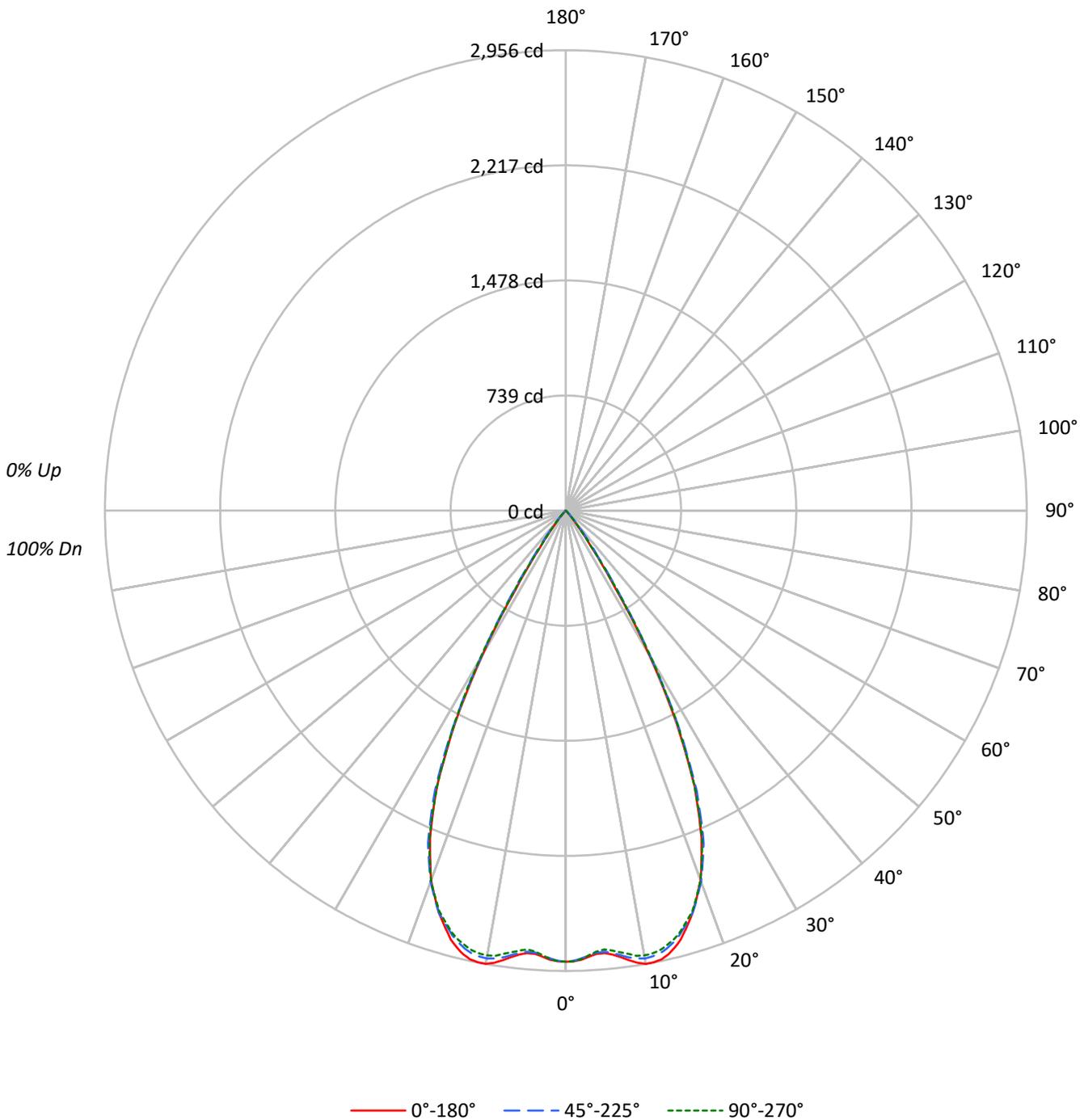
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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





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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 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 103 | 97 | 93 | 90 | 95 | 91 | 89 | 92 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 83 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 79 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 69 | 69 | 69 | 67 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 64 |
| 9 | 80 | 72 | 66 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |
| 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 59 | 59 | 59 | 58 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 498826 | 498826 | 498826 |
| 5° | 493124 | 491672 | 489044 |
| 10° | 516874 | 510665 | 507115 |
| 15° | 508274 | 502854 | 501053 |
| 20° | 462972 | 464823 | 463284 |
| 25° | 371426 | 377203 | 371426 |
| 30° | 213184 | 218553 | 220244 |
| 35° | 60782 | 73228 | 62569 |
| 40° | 15580 | 22437 | 15962 |
| 45° | 1656 | 7818 | 1242 |
| 50° | 0 | 1366 | 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: 7818 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 275.0 | 12.5 |
| 10°-20° | 784.7 | 35.6 |
| 20°-30° | 864.3 | 39.3 |
| 30°-40° | 258.0 | 11.7 |
| 40°-50° | 19.8 | 0.9 |
| 50°-60° | 0.1 | 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° | 1924.0 | 87.4 |
| 0°-40° | 2182.0 | 99.1 |
| 0°-60° | 2202.0 | 100.0 |
| 0°-90° | 2202.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2202.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2896 | 2896 | 2896 | 2896 | 2896 | |
| 5° | 2852 | 2847 | 2844 | 2832 | 2829 | 277 |
| 15° | 2851 | 2830 | 2820 | 2808 | 2810 | 790 |
| 25° | 1955 | 1955 | 1985 | 1982 | 1955 | 856 |
| 35° | 289 | 308 | 348 | 318 | 298 | 239 |
| 45° | 7 | 17 | 32 | 17 | 5 | 13 |
| 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° | 2896.4 | 2896.4 | 2896.4 | 2896.4 | 2896.4 |
| 1° | 2894.7 | 2894.7 | 2891.3 | 2889.6 | 2894.7 |
| 2° | 2886.2 | 2886.2 | 2877.8 | 2876.1 | 2881.2 |
| 3° | 2867.6 | 2866.0 | 2859.2 | 2854.1 | 2857.5 |
| 4° | 2852.4 | 2849.0 | 2844.0 | 2835.5 | 2837.2 |
| 5° | 2852.4 | 2847.4 | 2844.0 | 2832.1 | 2828.8 |
| 6° | 2866.0 | 2862.6 | 2855.8 | 2844.0 | 2840.6 |
| 7° | 2889.6 | 2882.9 | 2876.1 | 2860.9 | 2857.5 |
| 8° | 2915.0 | 2909.9 | 2896.4 | 2881.2 | 2874.4 |
| 9° | 2940.4 | 2928.5 | 2911.6 | 2896.4 | 2894.7 |
| 10° | 2955.6 | 2938.7 | 2920.1 | 2901.5 | 2899.8 |
| 11° | 2953.9 | 2938.7 | 2916.7 | 2899.8 | 2898.1 |
| 12° | 2947.1 | 2925.1 | 2906.5 | 2886.2 | 2887.9 |
| 13° | 2923.4 | 2903.2 | 2884.6 | 2869.3 | 2866.0 |
| 14° | 2891.3 | 2872.7 | 2855.8 | 2840.6 | 2842.3 |
| 15° | 2850.7 | 2830.4 | 2820.3 | 2808.5 | 2810.2 |
| 17.5° | 2707.0 | 2701.9 | 2707.0 | 2693.5 | 2698.6 |
| 20° | 2526.1 | 2521.0 | 2536.2 | 2529.5 | 2527.8 |
| 22.5° | 2274.2 | 2280.9 | 2309.7 | 2301.2 | 2286.0 |
| 25° | 1954.6 | 1954.6 | 1985.0 | 1981.7 | 1954.6 |
| 27.5° | 1538.7 | 1550.5 | 1569.1 | 1577.5 | 1557.3 |
| 30° | 1072.0 | 1099.0 | 1099.0 | 1115.9 | 1107.5 |
| 32.5° | 598.6 | 656.0 | 669.6 | 678.0 | 644.2 |
| 35° | 289.1 | 307.7 | 348.3 | 317.9 | 297.6 |
| 37.5° | 138.6 | 147.1 | 187.7 | 152.2 | 142.0 |
| 40° | 69.3 | 79.5 | 99.8 | 82.9 | 71.0 |
| 42.5° | 28.7 | 42.3 | 52.4 | 42.3 | 28.7 |
| 45° | 6.8 | 16.9 | 32.1 | 16.9 | 5.1 |
| 47.5° | 0.0 | 1.7 | 15.2 | 3.4 | 0.0 |
| 50° | 0.0 | 0.0 | 5.1 | 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)