

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: P1323777

Luminaire Tested: LDSQA3D09R359030D2WDE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359030D2WDE010 3LSQPHR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

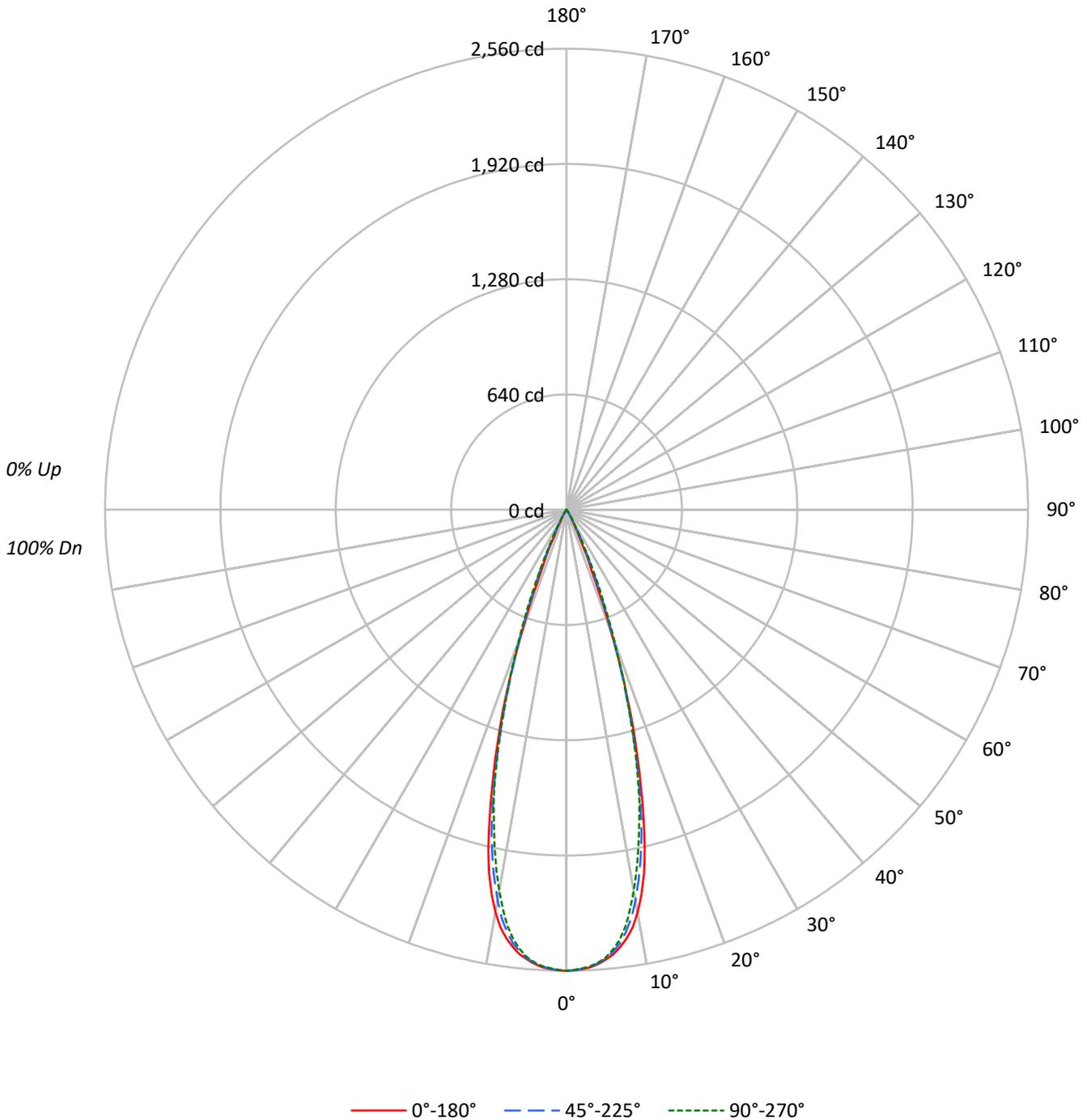
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 777.0 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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 | 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 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 90 | 89 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 440873 | 440873 | 440873 |
| 5° | 433308 | 432391 | 431458 |
| 10° | 397116 | 385189 | 375816 |
| 15° | 284367 | 275292 | 271958 |
| 20° | 131867 | 136394 | 141177 |
| 25° | 31278 | 44504 | 46424 |
| 30° | 9188 | 10520 | 11852 |
| 35° | 2102 | 3385 | 3091 |
| 40° | 450 | 899 | 607 |
| 45° | 170 | 170 | 170 |
| 50° | 188 | 0 | 188 |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 229.8 | 29.6 |
| 10°-20° | 410.9 | 52.9 |
| 20°-30° | 123.6 | 15.9 |
| 30°-40° | 11.8 | 1.5 |
| 40°-50° | 0.8 | 0.1 |
| 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° | 764.3 | 98.4 |
| 0°-40° | 776.1 | 99.9 |
| 0°-60° | 777.0 | 100.0 |
| 0°-90° | 777.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 777.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2560 | 2560 | 2560 | 2560 | 2560 | |
| 5° | 2506 | 2506 | 2501 | 2498 | 2496 | 232 |
| 15° | 1595 | 1583 | 1544 | 1537 | 1525 | 421 |
| 25° | 165 | 181 | 234 | 244 | 244 | 106 |
| 35° | 10 | 13 | 16 | 17 | 15 | 9 |
| 45° | 1 | 1 | 1 | 1 | 1 | 1 |
| 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: P1323777

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2559.9 | 2559.9 | 2559.9 | 2559.9 | 2559.9 |
| 1° | 2558.6 | 2558.6 | 2557.3 | 2557.3 | 2554.6 |
| 2° | 2552.6 | 2553.3 | 2550.6 | 2549.9 | 2547.9 |
| 3° | 2543.2 | 2541.2 | 2541.2 | 2539.9 | 2538.5 |
| 4° | 2528.5 | 2524.5 | 2523.1 | 2523.8 | 2521.1 |
| 5° | 2506.4 | 2505.7 | 2501.1 | 2497.7 | 2495.7 |
| 6° | 2482.3 | 2477.6 | 2467.6 | 2458.9 | 2456.9 |
| 7° | 2446.2 | 2436.1 | 2427.4 | 2409.4 | 2406.7 |
| 8° | 2402.0 | 2385.9 | 2367.2 | 2341.8 | 2340.4 |
| 9° | 2347.8 | 2321.7 | 2295.6 | 2261.5 | 2249.4 |
| 10° | 2270.8 | 2246.7 | 2202.6 | 2172.4 | 2149.0 |
| 11° | 2175.1 | 2145.0 | 2093.5 | 2057.3 | 2037.9 |
| 12° | 2066.7 | 2038.6 | 1978.4 | 1945.6 | 1918.1 |
| 13° | 1927.5 | 1904.1 | 1847.8 | 1811.7 | 1790.3 |
| 14° | 1766.2 | 1748.8 | 1695.3 | 1679.2 | 1671.8 |
| 15° | 1594.9 | 1582.8 | 1544.0 | 1537.3 | 1525.3 |
| 17.5° | 1173.9 | 1153.8 | 1131.7 | 1135.7 | 1139.8 |
| 20° | 719.5 | 747.6 | 744.2 | 758.9 | 770.3 |
| 22.5° | 358.7 | 394.9 | 437.0 | 462.5 | 475.2 |
| 25° | 164.6 | 181.4 | 234.2 | 244.3 | 244.3 |
| 27.5° | 83.0 | 87.0 | 110.4 | 112.4 | 117.8 |
| 30° | 46.2 | 49.5 | 52.9 | 58.9 | 59.6 |
| 32.5° | 23.4 | 27.4 | 28.8 | 32.1 | 30.8 |
| 35° | 10.0 | 13.4 | 16.1 | 17.4 | 14.7 |
| 37.5° | 4.7 | 6.0 | 8.7 | 8.0 | 6.0 |
| 40° | 2.0 | 2.7 | 4.0 | 3.3 | 2.7 |
| 42.5° | 1.3 | 1.3 | 2.0 | 1.3 | 1.3 |
| 45° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 47.5° | 0.7 | 0.7 | 0.0 | 0.7 | 0.7 |
| 50° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 52.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 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)