

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: P1323613

Luminaire Tested: LDSQA3D05R309030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1323613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309030D2WDE010 3LSQPHR1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

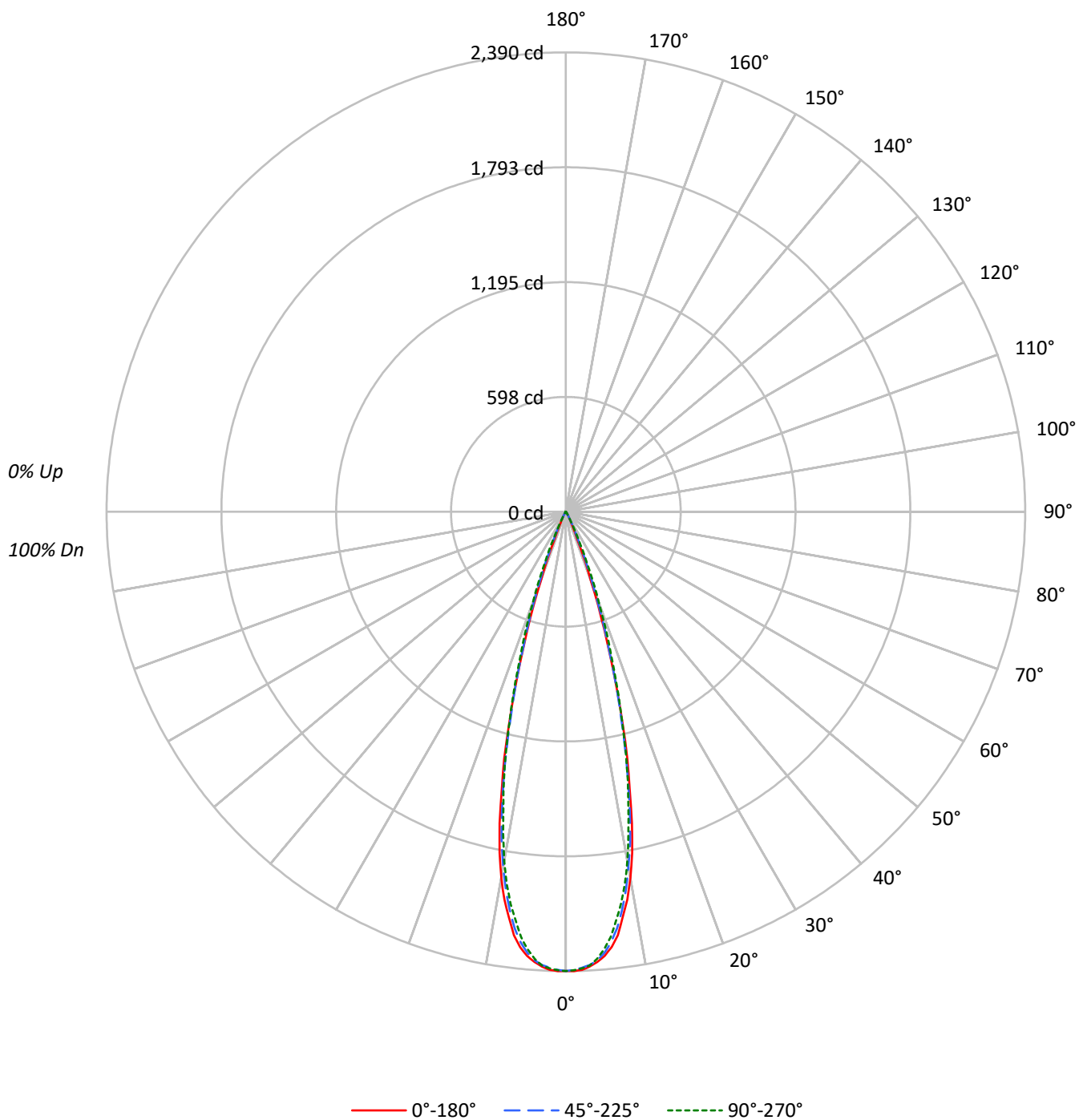
Lumens per Lamp: N/A  
Luminaire Lumens: 579.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 411543 | 411543 | 411543 |
| 5°  | 400944 | 398178 | 394894 |
| 10° | 338357 | 327969 | 322653 |
| 15° | 203902 | 198214 | 201851 |
| 20° | 69168  | 79871  | 92133  |
| 25° | 12713  | 19915  | 23525  |
| 30° | 4375   | 4872   | 5469   |
| 35° | 1261   | 1577   | 1682   |
| 40° | 337    | 562    | 450    |
| 45° | 122    | 122    | 122    |
| 50° | 134    | 0      | 134    |
| 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: 141 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 206.6  | 35.7      |
| 10°-20°   | 302.0  | 52.2      |
| 20°-30°   | 63.9   | 11.0      |
| 30°-40°   | 5.9    | 1.0       |
| 40°-50°   | 0.6    | 0.1       |
| 50°-60°   | 0.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 572.5  | 98.9      |
| 0°-40°    | 578.4  | 99.9      |
| 0°-60°    | 579.0  | 100.0     |
| 0°-90°    | 579.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 579.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2390 | 2390  | 2390 | 2390  | 2390 |      |
| 5°  | 2319 | 2315  | 2303 | 2296  | 2284 | 209  |
| 15° | 1144 | 1140  | 1112 | 1138  | 1132 | 302  |
| 25° | 67   | 75    | 105  | 123   | 124  | 49   |
| 35° | 6    | 8     | 8    | 9     | 8    | 5    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2389.6 | 2389.6 | 2389.6 | 2389.6 | 2389.6 |
| 1°    | 2390.1 | 2387.6 | 2384.1 | 2389.1 | 2385.6 |
| 2°    | 2385.1 | 2379.1 | 2374.1 | 2379.1 | 2377.6 |
| 3°    | 2370.1 | 2365.1 | 2361.6 | 2364.1 | 2364.1 |
| 4°    | 2347.6 | 2342.1 | 2339.1 | 2339.6 | 2332.2 |
| 5°    | 2319.2 | 2314.7 | 2303.2 | 2296.2 | 2284.2 |
| 6°    | 2277.2 | 2266.3 | 2252.3 | 2240.8 | 2225.3 |
| 7°    | 2220.3 | 2203.4 | 2183.4 | 2163.4 | 2144.0 |
| 8°    | 2129.0 | 2121.0 | 2094.0 | 2080.6 | 2061.1 |
| 9°    | 2043.1 | 2023.7 | 1994.7 | 1972.7 | 1962.3 |
| 10°   | 1934.8 | 1905.9 | 1875.4 | 1857.9 | 1845.0 |
| 11°   | 1806.5 | 1777.1 | 1752.6 | 1727.1 | 1707.2 |
| 12°   | 1655.8 | 1630.8 | 1602.9 | 1585.9 | 1562.4 |
| 13°   | 1477.1 | 1473.6 | 1442.1 | 1436.6 | 1433.6 |
| 14°   | 1323.8 | 1309.8 | 1278.9 | 1287.4 | 1289.4 |
| 15°   | 1143.6 | 1139.6 | 1111.7 | 1137.6 | 1132.1 |
| 17.5° | 716.3  | 717.8  | 735.3  | 776.2  | 789.2  |
| 20°   | 377.4  | 388.9  | 435.8  | 485.2  | 502.7  |
| 22.5° | 152.7  | 178.2  | 226.1  | 259.6  | 282.0  |
| 25°   | 66.9   | 74.9   | 104.8  | 123.3  | 123.8  |
| 27.5° | 37.9   | 38.4   | 50.4   | 52.4   | 53.4   |
| 30°   | 22.0   | 22.5   | 24.5   | 26.0   | 27.5   |
| 32.5° | 12.0   | 13.0   | 13.5   | 15.5   | 15.5   |
| 35°   | 6.0    | 7.5    | 7.5    | 9.0    | 8.0    |
| 37.5° | 3.5    | 4.0    | 4.5    | 4.5    | 4.0    |
| 40°   | 1.5    | 2.0    | 2.5    | 2.5    | 2.0    |
| 42.5° | 0.5    | 1.0    | 1.0    | 1.0    | 1.5    |
| 45°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 47.5° | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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)