

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: P1312226

Luminaire Tested: LDSQA3D05R259050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312226  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259050DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

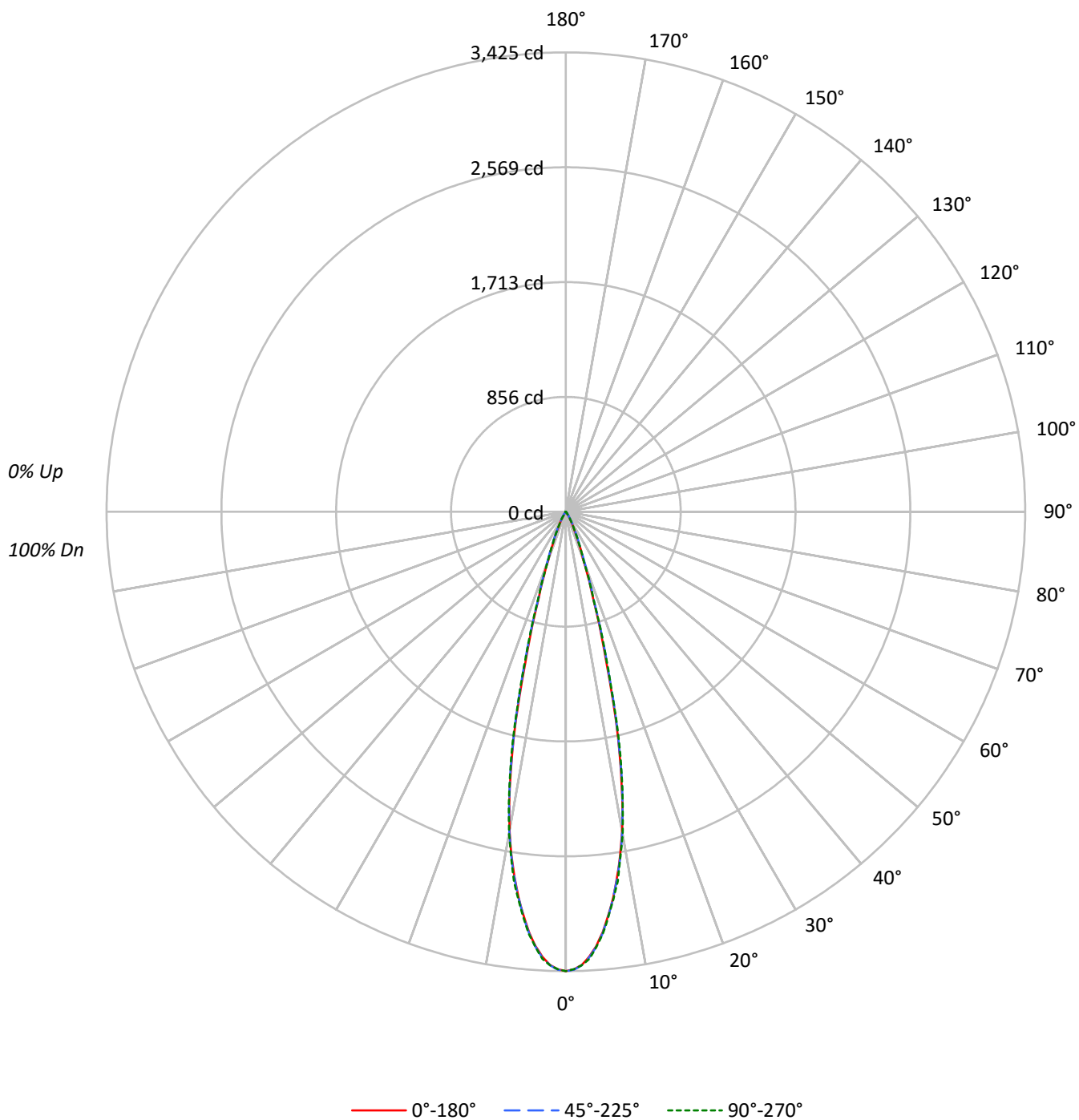
Lumens per Lamp: N/A  
Luminaire Lumens: 713.0 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (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 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 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  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 589931 | 589931 | 589931 |
| 5°  | 543951 | 545179 | 546320 |
| 10° | 422334 | 423873 | 426164 |
| 15° | 208716 | 217488 | 217595 |
| 20° | 70286  | 74996  | 71679  |
| 25° | 29112  | 32324  | 29929  |
| 30° | 11415  | 14358  | 11534  |
| 35° | 2985   | 5866   | 3112   |
| 40° | 1102   | 2338   | 1102   |
| 45° | 122    | 658    | 122    |
| 50° | 0      | 134    | 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: 658 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 277.6  | 38.9      |
| 10°-20°   | 335.7  | 47.1      |
| 20°-30°   | 82.0   | 11.5      |
| 30°-40°   | 15.9   | 2.2       |
| 40°-50°   | 1.8    | 0.3       |
| 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°    | 695.2  | 97.5      |
| 0°-40°    | 711.2  | 99.7      |
| 0°-60°    | 713.0  | 100.0     |
| 0°-90°    | 713.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 713.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3425 | 3425  | 3425 | 3425  | 3425 |      |
| 5°  | 3146 | 3151  | 3154 | 3167  | 3160 | 277  |
| 15° | 1171 | 1198  | 1220 | 1232  | 1220 | 330  |
| 25° | 153  | 161   | 170  | 163   | 158  | 78   |
| 35° | 14   | 20    | 28   | 20    | 15   | 13   |
| 45° | 0    | 2     | 3    | 2     | 0    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3425.4 | 3425.4 | 3425.4 | 3425.4 | 3425.4 |
| 1°    | 3412.2 | 3414.4 | 3415.0 | 3418.3 | 3411.7 |
| 2°    | 3381.1 | 3381.6 | 3383.2 | 3389.8 | 3383.8 |
| 3°    | 3323.6 | 3327.5 | 3328.0 | 3336.8 | 3338.4 |
| 4°    | 3245.4 | 3247.6 | 3252.0 | 3266.7 | 3253.6 |
| 5°    | 3146.4 | 3150.8 | 3153.5 | 3167.2 | 3160.1 |
| 6°    | 3023.9 | 3025.0 | 3031.0 | 3046.8 | 3037.0 |
| 7°    | 2899.1 | 2898.6 | 2899.1 | 2911.7 | 2909.0 |
| 8°    | 2748.7 | 2746.0 | 2754.7 | 2770.1 | 2780.4 |
| 9°    | 2591.7 | 2595.6 | 2601.0 | 2615.8 | 2603.8 |
| 10°   | 2415.0 | 2425.4 | 2423.8 | 2424.9 | 2436.9 |
| 11°   | 2211.6 | 2214.8 | 2215.4 | 2226.9 | 2225.2 |
| 12°   | 1972.5 | 1972.5 | 1990.6 | 2009.2 | 2003.1 |
| 13°   | 1731.3 | 1748.2 | 1736.2 | 1740.0 | 1764.1 |
| 14°   | 1450.1 | 1463.2 | 1479.7 | 1495.0 | 1482.9 |
| 15°   | 1170.6 | 1198.5 | 1219.8 | 1231.9 | 1220.4 |
| 17.5° | 670.6  | 679.9  | 698.0  | 700.2  | 693.1  |
| 20°   | 383.5  | 394.9  | 409.2  | 404.8  | 391.1  |
| 22.5° | 241.2  | 244.5  | 258.7  | 251.6  | 248.3  |
| 25°   | 153.2  | 161.4  | 170.1  | 163.0  | 157.5  |
| 27.5° | 95.2   | 100.6  | 109.9  | 102.3  | 96.3   |
| 30°   | 57.4   | 62.4   | 72.2   | 61.8   | 58.0   |
| 32.5° | 30.1   | 37.2   | 45.4   | 37.7   | 30.1   |
| 35°   | 14.2   | 20.2   | 27.9   | 20.2   | 14.8   |
| 37.5° | 8.8    | 10.9   | 17.0   | 10.9   | 8.8    |
| 40°   | 4.9    | 7.1    | 10.4   | 7.1    | 4.9    |
| 42.5° | 2.2    | 3.8    | 4.9    | 3.8    | 2.7    |
| 45°   | 0.5    | 1.6    | 2.7    | 1.6    | 0.5    |
| 47.5° | 0.0    | 0.0    | 1.6    | 0.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 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)