

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: P1308412

Luminaire Tested: LDSQA3D20R259027D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308412  
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: LDSQA3D20R259027D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

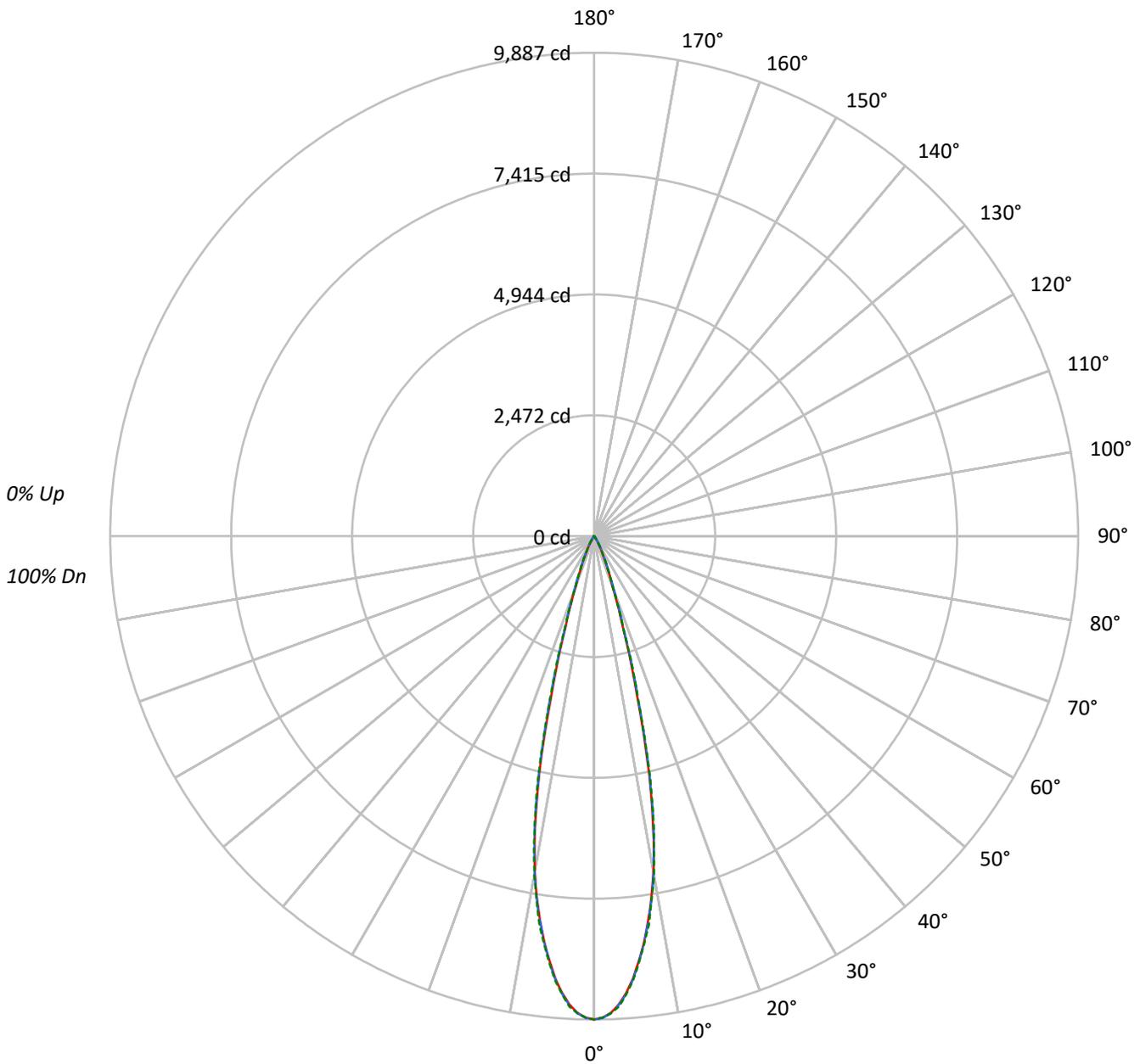
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2058.0 lumens  
Efficiency: N/A  
Efficacy: 71.5 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): 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



— 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 | 100 | 100 | 100 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97  | 97  | 97  |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94  | 94  | 94  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92  | 92  | 92  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89  | 89  | 89  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 87  | 87  | 87  | 87  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84  | 84  | 84  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82  | 82  | 82  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  | 80  | 80  | 80  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  | 78  | 78  | 78  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 77  | 77  | 77  | 77  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1702765 | 1702765 | 1702765 |
| 5°  | 1570049 | 1573610 | 1576878 |
| 10° | 1219050 | 1223457 | 1230085 |
| 15° | 602433  | 627769  | 628055  |
| 20° | 202849  | 216448  | 206900  |
| 25° | 84011   | 93303   | 86405   |
| 30° | 32972   | 41444   | 33290   |
| 35° | 8641    | 16925   | 8956    |
| 40° | 3192    | 6745    | 3192    |
| 45° | 390     | 1924    | 390     |
| 50° | 0       | 429     | 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: 1924 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 801.1  | 38.9      |
| 10°-20°   | 969.0  | 47.1      |
| 20°-30°   | 236.6  | 11.5      |
| 30°-40°   | 46.0   | 2.2       |
| 40°-50°   | 5.2    | 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       |
| 0°-30°    | 2006.8 | 97.5      |
| 0°-40°    | 2052.7 | 99.7      |
| 0°-60°    | 2058.0 | 100.0     |
| 0°-90°    | 2058.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2058.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9887 | 9887  | 9887 | 9887  | 9887 |      |
| 5°  | 9082 | 9094  | 9102 | 9142  | 9121 | 799  |
| 15° | 3379 | 3459  | 3521 | 3556  | 3522 | 952  |
| 25° | 442  | 466   | 491  | 470   | 455  | 225  |
| 35° | 41   | 58    | 80   | 58    | 43   | 36   |
| 45° | 2    | 5     | 8    | 5     | 2    | 3    |
| 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°    | 9887.0 | 9887.0 | 9887.0 | 9887.0 | 9887.0 |
| 1°    | 9849.1 | 9855.4 | 9857.0 | 9866.4 | 9847.5 |
| 2°    | 9759.1 | 9760.7 | 9765.4 | 9784.3 | 9767.0 |
| 3°    | 9593.3 | 9604.3 | 9605.9 | 9631.2 | 9635.9 |
| 4°    | 9367.5 | 9373.8 | 9386.5 | 9429.1 | 9391.2 |
| 5°    | 9081.7 | 9094.4 | 9102.3 | 9141.7 | 9121.2 |
| 6°    | 8728.1 | 8731.2 | 8748.6 | 8794.4 | 8766.0 |
| 7°    | 8368.1 | 8366.5 | 8368.1 | 8404.4 | 8396.5 |
| 8°    | 7933.9 | 7926.0 | 7951.3 | 7995.5 | 8025.5 |
| 9°    | 7480.7 | 7491.8 | 7507.6 | 7550.2 | 7515.5 |
| 10°   | 6970.8 | 7000.8 | 6996.0 | 6999.2 | 7033.9 |
| 11°   | 6383.4 | 6392.9 | 6394.5 | 6427.6 | 6422.9 |
| 12°   | 5693.5 | 5693.5 | 5745.6 | 5799.2 | 5781.9 |
| 13°   | 4997.2 | 5046.1 | 5011.4 | 5022.4 | 5091.9 |
| 14°   | 4185.6 | 4223.5 | 4270.9 | 4315.1 | 4280.4 |
| 15°   | 3378.8 | 3459.3 | 3520.9 | 3555.6 | 3522.5 |
| 17.5° | 1935.7 | 1962.6 | 2014.7 | 2021.0 | 2000.4 |
| 20°   | 1106.8 | 1140.0 | 1181.0 | 1168.4 | 1128.9 |
| 22.5° | 696.3  | 705.8  | 746.8  | 726.3  | 716.8  |
| 25°   | 442.1  | 465.8  | 491.0  | 470.5  | 454.7  |
| 27.5° | 274.7  | 290.5  | 317.4  | 295.3  | 277.9  |
| 30°   | 165.8  | 180.0  | 208.4  | 178.4  | 167.4  |
| 32.5° | 86.8   | 107.4  | 131.0  | 108.9  | 86.8   |
| 35°   | 41.1   | 58.4   | 80.5   | 58.4   | 42.6   |
| 37.5° | 25.3   | 31.6   | 48.9   | 31.6   | 25.3   |
| 40°   | 14.2   | 20.5   | 30.0   | 20.5   | 14.2   |
| 42.5° | 6.3    | 11.1   | 14.2   | 11.1   | 7.9    |
| 45°   | 1.6    | 4.7    | 7.9    | 4.7    | 1.6    |
| 47.5° | 0.0    | 0.0    | 4.7    | 1.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.6    | 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)