

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: P1320386

Luminaire Tested: LDSQA3D20R259840D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259840D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

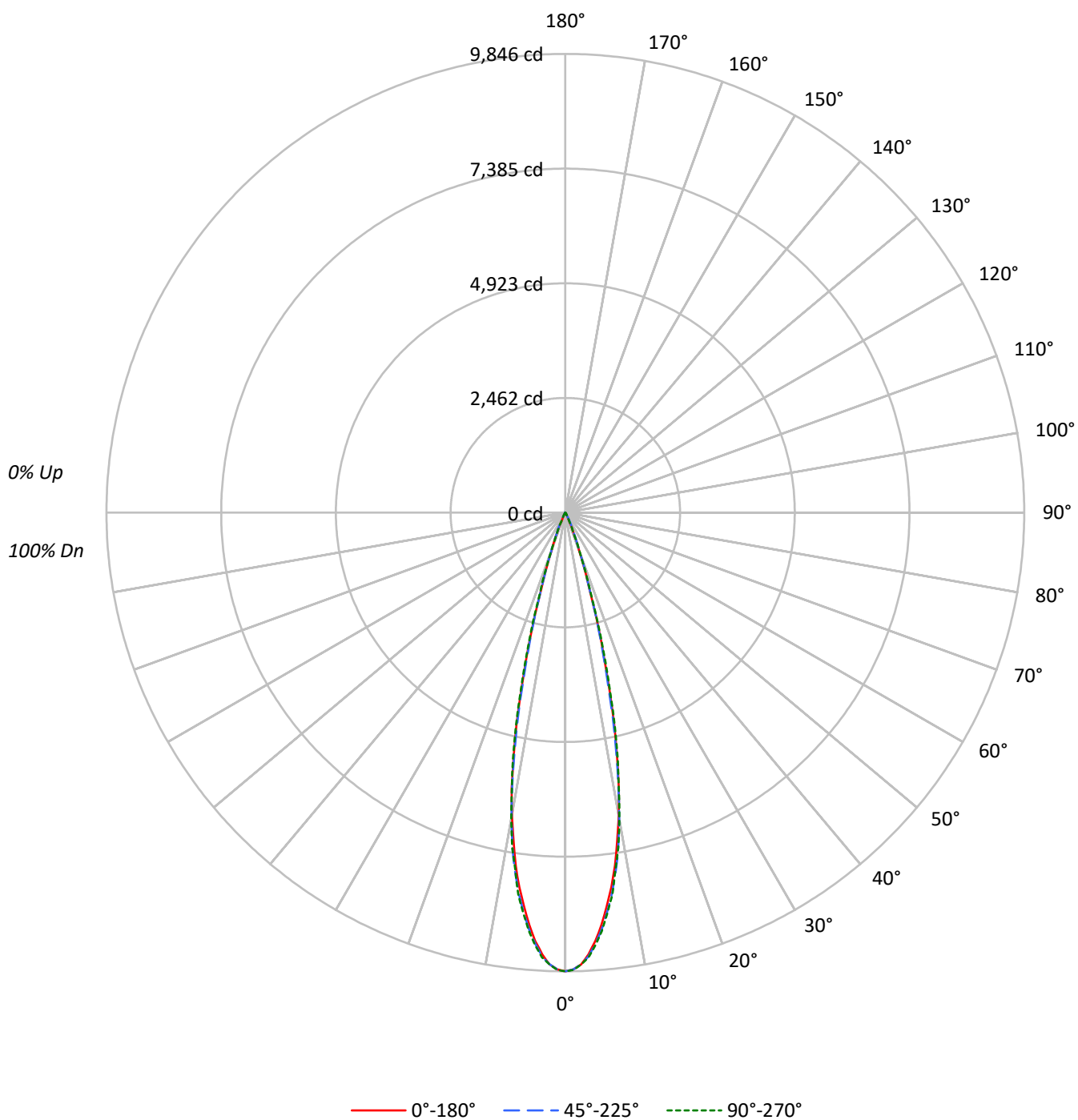
Lumens per Lamp: N/A  
Luminaire Lumens: 1817.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1695618 | 1695618 | 1695618 |
| 5°  | 1536562 | 1550565 | 1558120 |
| 10° | 1155114 | 1163333 | 1168719 |
| 15° | 571944  | 554899  | 591878  |
| 20° | 161521  | 164197  | 165974  |
| 25° | 28010   | 52960   | 33255   |
| 30° | 10957   | 11276   | 11594   |
| 35° | 3406    | 3742    | 3742    |
| 40° | 1102    | 1461    | 1102    |
| 45° | 779     | 390     | 779     |
| 50° | 429     | 0       | 429     |
| 55° | 480     | 0       | 480     |
| 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: 45°

Luminance: 779 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 782.1  | 43.0      |
| 10°-20°   | 882.0  | 48.5      |
| 20°-30°   | 136.8  | 7.5       |
| 30°-40°   | 13.9   | 0.8       |
| 40°-50°   | 1.9    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 1801.0 | 99.1      |
| 0°-40°    | 1814.8 | 99.9      |
| 0°-60°    | 1817.0 | 100.0     |
| 0°-90°    | 1817.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1817.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9846 | 9846  | 9846 | 9846  | 9846 |      |
| 5°  | 8888 | 8904  | 8969 | 9005  | 9013 | 775  |
| 15° | 3208 | 3185  | 3112 | 3252  | 3320 | 879  |
| 25° | 147  | 219   | 279  | 212   | 175  | 124  |
| 35° | 16   | 18    | 18   | 19    | 18   | 13   |
| 45° | 3    | 2     | 2    | 2     | 3    | 2    |
| 55° | 2    | 0     | 0    | 0     | 2    | 1    |
| 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°    | 9845.5 | 9845.5 | 9845.5 | 9845.5 | 9845.5 |
| 1°    | 9804.9 | 9817.9 | 9803.3 | 9819.5 | 9817.9 |
| 2°    | 9702.9 | 9715.8 | 9698.0 | 9707.7 | 9707.7 |
| 3°    | 9493.9 | 9521.4 | 9537.6 | 9549.0 | 9558.7 |
| 4°    | 9218.5 | 9249.2 | 9273.6 | 9302.7 | 9302.7 |
| 5°    | 8888.0 | 8904.2 | 8969.0 | 9004.6 | 9012.7 |
| 6°    | 8494.3 | 8559.1 | 8607.7 | 8679.0 | 8635.2 |
| 7°    | 8100.6 | 8154.0 | 8222.1 | 8233.4 | 8264.2 |
| 8°    | 7653.4 | 7710.1 | 7773.3 | 7762.0 | 7736.1 |
| 9°    | 7109.1 | 7191.7 | 7266.2 | 7241.9 | 7274.3 |
| 10°   | 6605.2 | 6655.4 | 6652.2 | 6627.9 | 6683.0 |
| 11°   | 6020.4 | 6031.7 | 5968.5 | 6067.3 | 6007.4 |
| 12°   | 5326.9 | 5336.7 | 5255.7 | 5352.9 | 5414.4 |
| 13°   | 4662.7 | 4640.0 | 4528.2 | 4656.2 | 4734.0 |
| 14°   | 3898.0 | 3906.1 | 3763.5 | 4011.4 | 3992.0 |
| 15°   | 3207.8 | 3185.2 | 3112.2 | 3251.6 | 3319.6 |
| 17.5° | 1709.2 | 1723.8 | 1706.0 | 1775.6 | 1819.4 |
| 20°   | 881.3  | 905.6  | 895.9  | 925.1  | 905.6  |
| 22.5° | 456.9  | 490.9  | 500.6  | 477.9  | 416.4  |
| 25°   | 147.4  | 218.7  | 278.7  | 212.2  | 175.0  |
| 27.5° | 89.1   | 87.5   | 136.1  | 94.0   | 95.6   |
| 30°   | 55.1   | 53.5   | 56.7   | 56.7   | 58.3   |
| 32.5° | 30.8   | 32.4   | 30.8   | 34.0   | 32.4   |
| 35°   | 16.2   | 17.8   | 17.8   | 19.4   | 17.8   |
| 37.5° | 9.7    | 11.3   | 11.3   | 11.3   | 9.7    |
| 40°   | 4.9    | 6.5    | 6.5    | 4.9    | 4.9    |
| 42.5° | 3.2    | 3.2    | 3.2    | 3.2    | 3.2    |
| 45°   | 3.2    | 1.6    | 1.6    | 1.6    | 3.2    |
| 47.5° | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 50°   | 1.6    | 1.6    | 0.0    | 1.6    | 1.6    |
| 52.5° | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 55°   | 1.6    | 0.0    | 0.0    | 0.0    | 1.6    |
| 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)