

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: P1319363

Luminaire Tested: LDSQA3D17R259835DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319363  
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: LDSQA3D17R259835DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

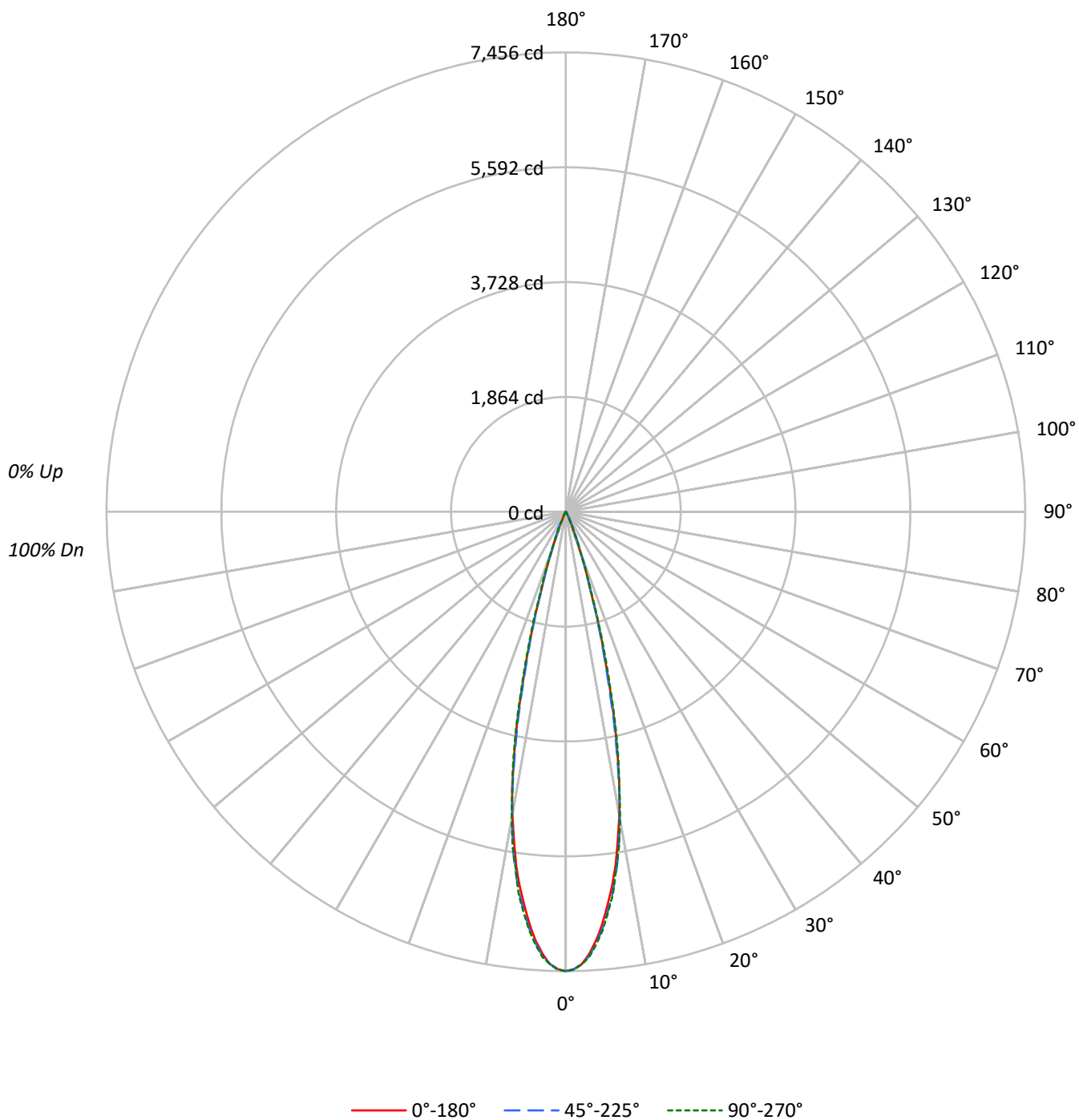
Lumens per Lamp: N/A  
Luminaire Lumens: 1376.0 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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

TEST NUMBER: P1319363

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

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1284075 | 1284075 | 1284075 |
| 5°  | 1163624 | 1174222 | 1179961 |
| 10° | 874765  | 880990  | 885065  |
| 15° | 433139  | 420231  | 448223  |
| 20° | 122318  | 124352  | 125690  |
| 25° | 21207   | 40096   | 25179   |
| 30° | 8293    | 8531    | 8790    |
| 35° | 2586    | 2838    | 2838    |
| 40° | 832     | 1102    | 832     |
| 45° | 609     | 292     | 609     |
| 50° | 322     | 0       | 322     |
| 55° | 360     | 0       | 360     |
| 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: 609 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 592.3  | 43.0      |
| 10°-20°   | 668.0  | 48.5      |
| 20°-30°   | 103.6  | 7.5       |
| 30°-40°   | 10.5   | 0.8       |
| 40°-50°   | 1.4    | 0.1       |
| 50°-60°   | 0.2    | 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°    | 1363.8 | 99.1      |
| 0°-40°    | 1374.3 | 99.9      |
| 0°-60°    | 1376.0 | 100.0     |
| 0°-90°    | 1376.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1376.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7456 | 7456  | 7456 | 7456  | 7456 |      |
| 5°  | 6731 | 6743  | 6792 | 6819  | 6825 | 587  |
| 15° | 2429 | 2412  | 2357 | 2462  | 2514 | 665  |
| 25° | 112  | 166   | 211  | 161   | 132  | 94   |
| 35° | 12   | 14    | 14   | 15    | 14   | 10   |
| 45° | 2    | 1     | 1    | 1     | 2    | 2    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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    |      |

TEST NUMBER: P1319363

CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7455.9 | 7455.9 | 7455.9 | 7455.9 | 7455.9 |
| 1°    | 7425.2 | 7435.0 | 7424.0 | 7436.3 | 7435.0 |
| 2°    | 7347.9 | 7357.7 | 7344.2 | 7351.6 | 7351.6 |
| 3°    | 7189.6 | 7210.5 | 7222.8 | 7231.4 | 7238.7 |
| 4°    | 6981.1 | 7004.4 | 7022.8 | 7044.9 | 7044.9 |
| 5°    | 6730.8 | 6743.1 | 6792.1 | 6819.1 | 6825.3 |
| 6°    | 6432.6 | 6481.7 | 6518.5 | 6572.5 | 6539.4 |
| 7°    | 6134.5 | 6175.0 | 6226.5 | 6235.1 | 6258.4 |
| 8°    | 5795.9 | 5838.8 | 5886.7 | 5878.1 | 5858.5 |
| 9°    | 5383.6 | 5446.2 | 5502.7 | 5484.3 | 5508.8 |
| 10°   | 5002.1 | 5040.1 | 5037.7 | 5019.3 | 5061.0 |
| 11°   | 4559.2 | 4567.8 | 4519.9 | 4594.7 | 4549.4 |
| 12°   | 4034.1 | 4041.4 | 3980.1 | 4053.7 | 4100.3 |
| 13°   | 3531.0 | 3513.8 | 3429.2 | 3526.1 | 3585.0 |
| 14°   | 2951.9 | 2958.1 | 2850.1 | 3037.8 | 3023.1 |
| 15°   | 2429.3 | 2412.1 | 2356.9 | 2462.4 | 2513.9 |
| 17.5° | 1294.4 | 1305.4 | 1291.9 | 1344.7 | 1377.8 |
| 20°   | 667.4  | 685.8  | 678.5  | 700.6  | 685.8  |
| 22.5° | 346.0  | 371.8  | 379.1  | 361.9  | 315.3  |
| 25°   | 111.6  | 165.6  | 211.0  | 160.7  | 132.5  |
| 27.5° | 67.5   | 66.3   | 103.1  | 71.2   | 72.4   |
| 30°   | 41.7   | 40.5   | 42.9   | 42.9   | 44.2   |
| 32.5° | 23.3   | 24.5   | 23.3   | 25.8   | 24.5   |
| 35°   | 12.3   | 13.5   | 13.5   | 14.7   | 13.5   |
| 37.5° | 7.4    | 8.6    | 8.6    | 8.6    | 7.4    |
| 40°   | 3.7    | 4.9    | 4.9    | 3.7    | 3.7    |
| 42.5° | 2.5    | 2.5    | 2.5    | 2.5    | 2.5    |
| 45°   | 2.5    | 1.2    | 1.2    | 1.2    | 2.5    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 55°   | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 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)