

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: P1315605

Luminaire Tested: LDSQA3D13R259735DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315605  
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: LDSQA3D13R259735DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

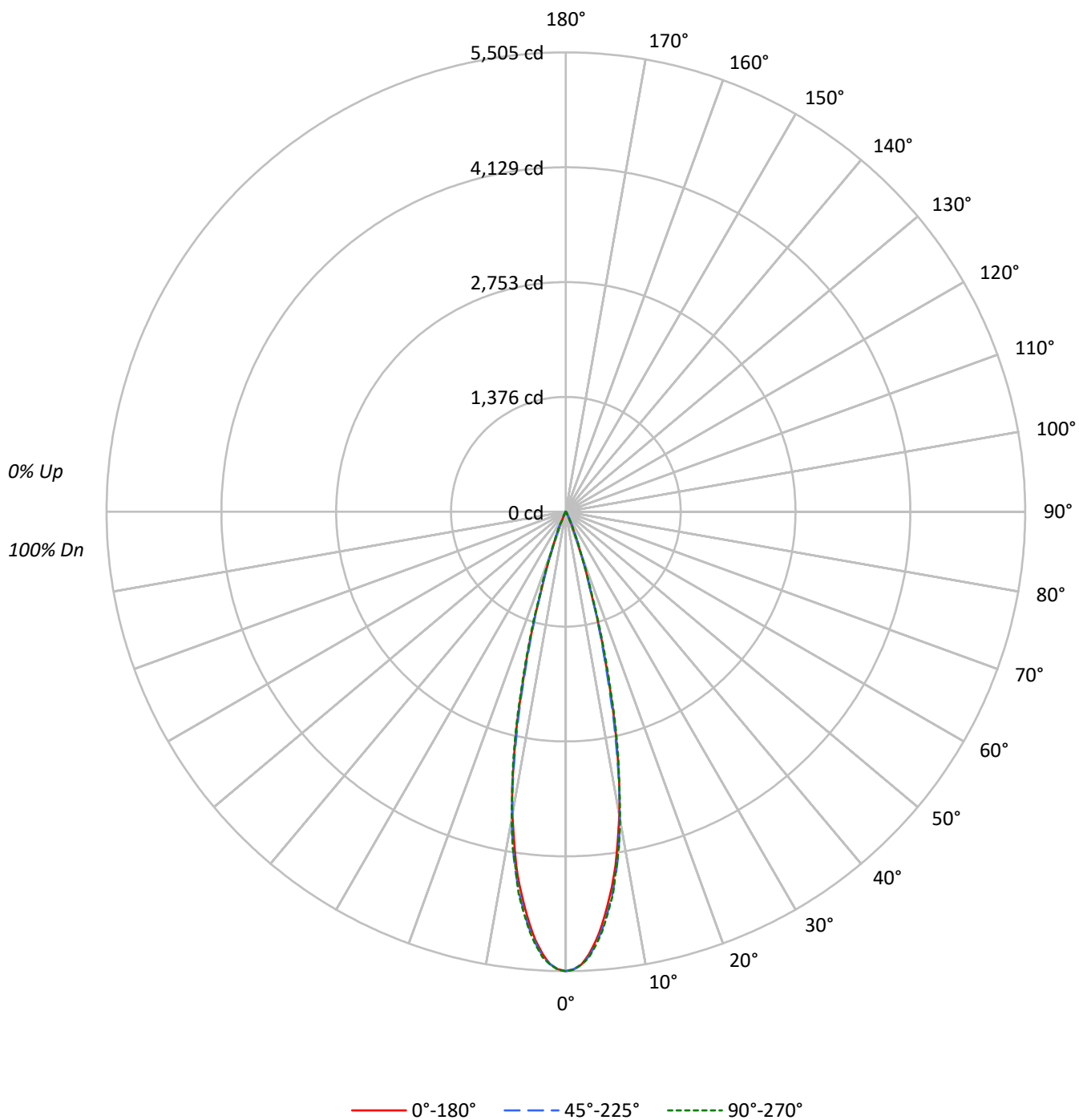
Lumens per Lamp: N/A  
Luminaire Lumens: 1016.0 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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  |     |     |     |     | 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°  | 948120 | 948120 | 948120 |
| 5°  | 859182 | 867013 | 871249 |
| 10° | 645900 | 650499 | 653507 |
| 15° | 319813 | 310292 | 330957 |
| 20° | 90318  | 91821  | 92811  |
| 25° | 15658  | 29606  | 18585  |
| 30° | 6125   | 6304   | 6483   |
| 35° | 1913   | 2102   | 2102   |
| 40° | 607    | 809    | 607    |
| 45° | 438    | 219    | 438    |
| 50° | 241    | 0      | 241    |
| 55° | 270    | 0      | 270    |
| 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: 438 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 437.3  | 43.0      |
| 10°-20°   | 493.2  | 48.5      |
| 20°-30°   | 76.5   | 7.5       |
| 30°-40°   | 7.7    | 0.8       |
| 40°-50°   | 1.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1007.0 | 99.1      |
| 0°-40°    | 1014.8 | 99.9      |
| 0°-60°    | 1016.0 | 100.0     |
| 0°-90°    | 1016.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1016.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5505 | 5505  | 5505 | 5505  | 5505 |      |
| 5°  | 4970 | 4979  | 5015 | 5035  | 5040 | 433  |
| 15° | 1794 | 1781  | 1740 | 1818  | 1856 | 491  |
| 25° | 82   | 122   | 156  | 119   | 98   | 69   |
| 35° | 9    | 10    | 10   | 11    | 10   | 7    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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°    | 5505.2 | 5505.2 | 5505.2 | 5505.2 | 5505.2 |
| 1°    | 5482.6 | 5489.8 | 5481.7 | 5490.7 | 5489.8 |
| 2°    | 5425.5 | 5432.7 | 5422.8 | 5428.2 | 5428.2 |
| 3°    | 5308.6 | 5324.0 | 5333.1 | 5339.4 | 5344.9 |
| 4°    | 5154.6 | 5171.8 | 5185.4 | 5201.7 | 5201.7 |
| 5°    | 4969.8 | 4978.9 | 5015.1 | 5035.0 | 5039.6 |
| 6°    | 4749.7 | 4785.9 | 4813.1 | 4853.0 | 4828.5 |
| 7°    | 4529.6 | 4559.4 | 4597.5 | 4603.8 | 4621.0 |
| 8°    | 4279.5 | 4311.2 | 4346.6 | 4340.2 | 4325.7 |
| 9°    | 3975.1 | 4021.3 | 4063.0 | 4049.4 | 4067.5 |
| 10°   | 3693.4 | 3721.5 | 3719.7 | 3706.1 | 3736.9 |
| 11°   | 3366.4 | 3372.7 | 3337.4 | 3392.6 | 3359.1 |
| 12°   | 2978.6 | 2984.1 | 2938.8 | 2993.1 | 3027.6 |
| 13°   | 2607.2 | 2594.5 | 2532.0 | 2603.6 | 2647.1 |
| 14°   | 2179.6 | 2184.1 | 2104.4 | 2243.0 | 2232.2 |
| 15°   | 1793.7 | 1781.0 | 1740.3 | 1818.2 | 1856.2 |
| 17.5° | 955.7  | 963.9  | 953.9  | 992.9  | 1017.3 |
| 20°   | 492.8  | 506.4  | 501.0  | 517.3  | 506.4  |
| 22.5° | 255.5  | 274.5  | 279.9  | 267.2  | 232.8  |
| 25°   | 82.4   | 122.3  | 155.8  | 118.7  | 97.8   |
| 27.5° | 49.8   | 48.9   | 76.1   | 52.5   | 53.4   |
| 30°   | 30.8   | 29.9   | 31.7   | 31.7   | 32.6   |
| 32.5° | 17.2   | 18.1   | 17.2   | 19.0   | 18.1   |
| 35°   | 9.1    | 10.0   | 10.0   | 10.9   | 10.0   |
| 37.5° | 5.4    | 6.3    | 6.3    | 6.3    | 5.4    |
| 40°   | 2.7    | 3.6    | 3.6    | 2.7    | 2.7    |
| 42.5° | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 45°   | 1.8    | 0.9    | 0.9    | 0.9    | 1.8    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 55°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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)