

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: P1314972

Luminaire Tested: LDSQA3D20R359730D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359730D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

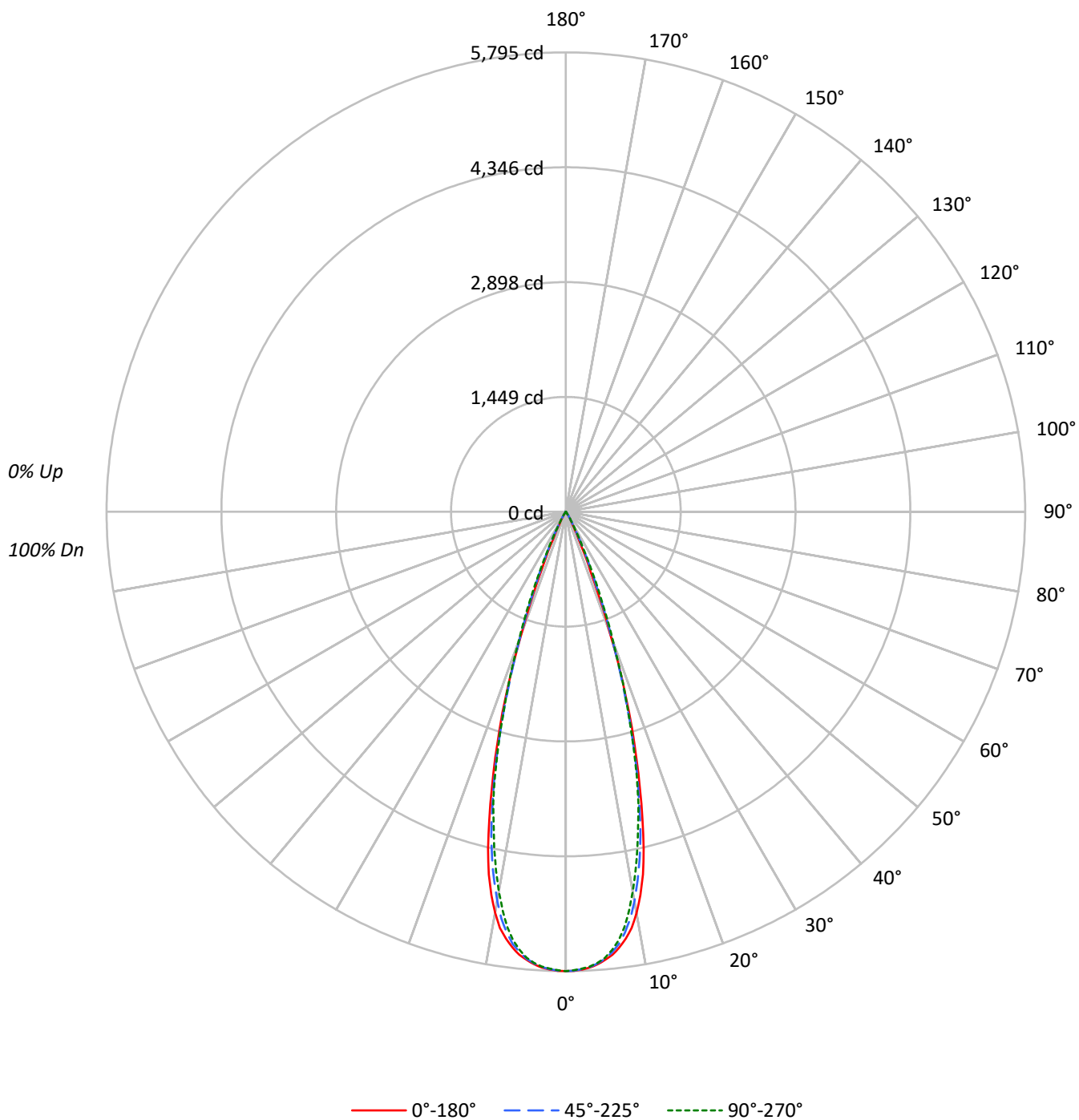
Lumens per Lamp: N/A  
Luminaire Lumens: 1759.0 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



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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 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96 | 95 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 100 | 98  | 97  | 97  | 96  | 95  | 93  | 92 | 91 |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  | 97  | 95  | 93  | 95  | 93  | 92  | 90  | 89 | 87 |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 90  | 89  | 87  | 86 | 85 |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  | 92  | 89  | 87  | 90  | 88  | 86  | 85  | 84 | 82 |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 81 | 80 |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 85  | 83  | 81  | 80  | 78 | 77 |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  | 84  | 81  | 79  | 83  | 80  | 78  | 76  | 75 | 73 |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  | 82  | 79  | 76  | 81  | 78  | 76  | 74  | 73 | 71 |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 71 | 69 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 998082 | 998082 | 998082 |
| 5°  | 980941 | 978849 | 976740 |
| 10° | 899020 | 871984 | 850789 |
| 15° | 643745 | 623223 | 615645 |
| 20° | 298501 | 308783 | 319614 |
| 25° | 70823  | 100771 | 105085 |
| 30° | 20781  | 23804  | 26807  |
| 35° | 4773   | 7653   | 7001   |
| 40° | 1012   | 2046   | 1371   |
| 45° | 365    | 365    | 365    |
| 50° | 402    | 0      | 402    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 424 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 520.3  | 29.6      |
| 10°-20°   | 930.1  | 52.9      |
| 20°-30°   | 279.8  | 15.9      |
| 30°-40°   | 26.8   | 1.5       |
| 40°-50°   | 1.8    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 1730.3 | 98.4      |
| 0°-40°    | 1757.0 | 99.9      |
| 0°-60°    | 1759.0 | 100.0     |
| 0°-90°    | 1759.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1759.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5795 | 5795  | 5795 | 5795  | 5795 |      |
| 5°  | 5674 | 5673  | 5662 | 5654  | 5650 | 526  |
| 15° | 3610 | 3583  | 3495 | 3480  | 3453 | 954  |
| 25° | 373  | 411   | 530  | 553   | 553  | 240  |
| 35° | 23   | 30    | 36   | 39    | 33   | 21   |
| 45° | 2    | 2     | 2    | 2     | 2    | 2    |
| 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°    | 5795.3 | 5795.3 | 5795.3 | 5795.3 | 5795.3 |
| 1°    | 5792.3 | 5792.3 | 5789.2 | 5789.2 | 5783.2 |
| 2°    | 5778.6 | 5780.1 | 5774.1 | 5772.6 | 5768.0 |
| 3°    | 5757.4 | 5752.9 | 5752.9 | 5749.8 | 5746.8 |
| 4°    | 5724.1 | 5715.0 | 5712.0 | 5713.5 | 5707.4 |
| 5°    | 5674.1 | 5672.6 | 5662.0 | 5654.4 | 5649.8 |
| 6°    | 5619.5 | 5608.9 | 5586.2 | 5566.5 | 5562.0 |
| 7°    | 5537.7 | 5515.0 | 5495.3 | 5454.4 | 5448.3 |
| 8°    | 5437.7 | 5401.4 | 5358.9 | 5301.4 | 5298.3 |
| 9°    | 5315.0 | 5255.9 | 5196.8 | 5119.6 | 5092.3 |
| 10°   | 5140.8 | 5086.2 | 4986.2 | 4918.0 | 4865.0 |
| 11°   | 4924.1 | 4855.9 | 4739.3 | 4657.4 | 4613.5 |
| 12°   | 4678.7 | 4615.0 | 4478.7 | 4404.4 | 4342.3 |
| 13°   | 4363.5 | 4310.5 | 4183.2 | 4101.4 | 4052.9 |
| 14°   | 3998.4 | 3959.0 | 3837.8 | 3801.4 | 3784.7 |
| 15°   | 3610.5 | 3583.2 | 3495.4 | 3480.2 | 3452.9 |
| 17.5° | 2657.5 | 2612.0 | 2562.1 | 2571.1 | 2580.2 |
| 20°   | 1628.7 | 1692.4 | 1684.8 | 1718.1 | 1743.9 |
| 22.5° | 812.1  | 893.9  | 989.4  | 1046.9 | 1075.7 |
| 25°   | 372.7  | 410.6  | 530.3  | 553.0  | 553.0  |
| 27.5° | 187.9  | 197.0  | 250.0  | 254.5  | 266.7  |
| 30°   | 104.5  | 112.1  | 119.7  | 133.3  | 134.8  |
| 32.5° | 53.0   | 62.1   | 65.1   | 72.7   | 69.7   |
| 35°   | 22.7   | 30.3   | 36.4   | 39.4   | 33.3   |
| 37.5° | 10.6   | 13.6   | 19.7   | 18.2   | 13.6   |
| 40°   | 4.5    | 6.1    | 9.1    | 7.6    | 6.1    |
| 42.5° | 3.0    | 3.0    | 4.5    | 3.0    | 3.0    |
| 45°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 47.5° | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    |
| 50°   | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 52.5° | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 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)