

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: P1314974

Luminaire Tested: LDSQA3D20R359730D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359730D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

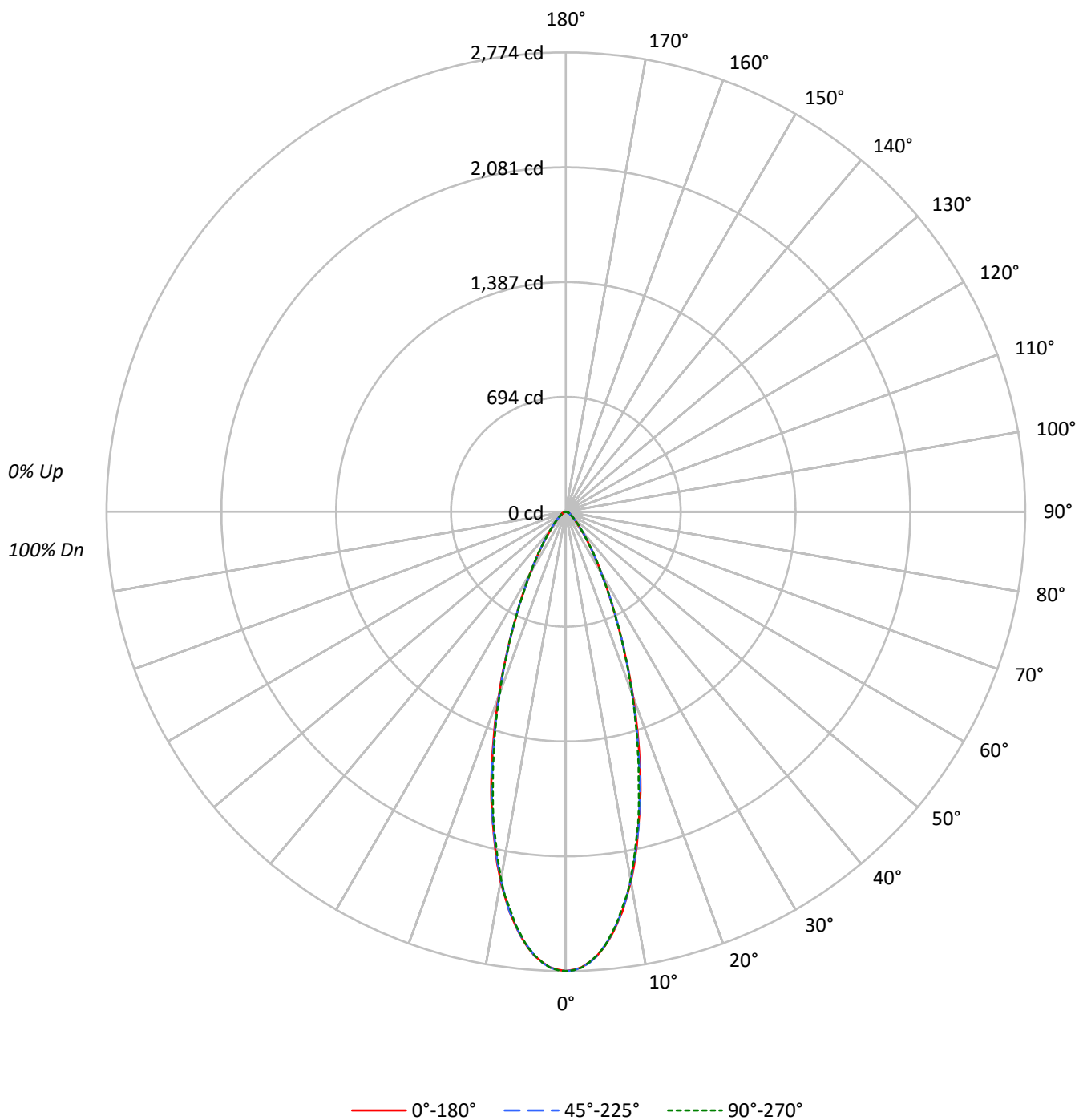
Lumens per Lamp: N/A  
Luminaire Lumens: 1368.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     |    | 10 |
| 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 |    |    |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |    |    |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |    |    |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 82  |    |    |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  |    |    |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |    |    |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 69  |    |    |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |    |    |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |    |    |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 477728 | 477728 | 477728 |
| 5°  | 456491 | 455696 | 456491 |
| 10° | 396294 | 394965 | 394441 |
| 15° | 310524 | 308099 | 303231 |
| 20° | 217236 | 215294 | 213919 |
| 25° | 137978 | 138833 | 137978 |
| 30° | 85015  | 85612  | 85015  |
| 35° | 52582  | 52898  | 52898  |
| 40° | 33386  | 33746  | 33746  |
| 45° | 22529  | 22895  | 23260  |
| 50° | 16237  | 16639  | 16639  |
| 55° | 12731  | 12731  | 12731  |
| 60° | 10437  | 10437  | 10437  |
| 65° | 9251   | 9251   | 9251   |
| 70° | 8409   | 8409   | 8409   |
| 75° | 7053   | 7053   | 7053   |
| 80° | 6050   | 6050   | 6050   |
| 85° | 2964   | 2964   | 5928   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 23260 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 239.7  | 17.5      |
| 10°-20°   | 472.0  | 34.5      |
| 20°-30°   | 340.5  | 24.9      |
| 30°-40°   | 164.2  | 12.0      |
| 40°-50°   | 75.7   | 5.5       |
| 50°-60°   | 39.1   | 2.9       |
| 60°-70°   | 22.6   | 1.7       |
| 70°-80°   | 11.4   | 0.8       |
| 80°-90°   | 2.7    | 0.2       |
| 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°    | 1052.3 | 76.9      |
| 0°-40°    | 1216.4 | 88.9      |
| 0°-60°    | 1331.2 | 97.3      |
| 0°-90°    | 1368.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1368.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2774 | 2774  | 2774 | 2774  | 2774 |      |
| 5°  | 2640 | 2647  | 2636 | 2638  | 2640 | 240  |
| 15° | 1742 | 1739  | 1728 | 1720  | 1701 | 475  |
| 25° | 726  | 728   | 731  | 731   | 726  | 341  |
| 35° | 250  | 250   | 252  | 252   | 252  | 163  |
| 45° | 92   | 94    | 94   | 96    | 96   | 75   |
| 55° | 42   | 42    | 42   | 42    | 42   | 38   |
| 65° | 23   | 23    | 23   | 23    | 23   | 22   |
| 75° | 11   | 11    | 11   | 11    | 11   | 11   |
| 85° | 2    | 2     | 2    | 2     | 3    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2773.9 | 2773.9 | 2773.9 | 2773.9 | 2773.9 |
| 1°    | 2766.3 | 2770.9 | 2769.3 | 2770.9 | 2769.3 |
| 2°    | 2752.7 | 2755.7 | 2752.7 | 2754.2 | 2754.2 |
| 3°    | 2723.9 | 2726.9 | 2726.9 | 2725.4 | 2723.9 |
| 4°    | 2689.0 | 2696.6 | 2689.0 | 2690.5 | 2686.0 |
| 5°    | 2640.5 | 2646.6 | 2635.9 | 2637.5 | 2640.5 |
| 6°    | 2581.4 | 2582.9 | 2579.9 | 2578.3 | 2575.3 |
| 7°    | 2513.2 | 2519.2 | 2508.6 | 2510.1 | 2507.1 |
| 8°    | 2440.4 | 2438.9 | 2438.9 | 2432.8 | 2423.7 |
| 9°    | 2352.5 | 2358.6 | 2349.5 | 2346.4 | 2347.9 |
| 10°   | 2266.1 | 2266.1 | 2258.5 | 2250.9 | 2255.5 |
| 11°   | 2167.6 | 2164.5 | 2160.0 | 2149.4 | 2146.3 |
| 12°   | 2059.9 | 2066.0 | 2052.4 | 2047.8 | 2037.2 |
| 13°   | 1949.3 | 1958.4 | 1952.3 | 1935.7 | 1937.2 |
| 14°   | 1846.2 | 1840.2 | 1835.6 | 1832.6 | 1822.0 |
| 15°   | 1741.6 | 1738.6 | 1728.0 | 1720.4 | 1700.7 |
| 17.5° | 1455.2 | 1458.2 | 1438.5 | 1435.4 | 1427.9 |
| 20°   | 1185.3 | 1176.2 | 1174.7 | 1176.2 | 1167.2 |
| 22.5° | 935.2  | 944.3  | 933.7  | 935.2  | 929.2  |
| 25°   | 726.1  | 727.6  | 730.6  | 730.6  | 726.1  |
| 27.5° | 563.9  | 563.9  | 560.8  | 563.9  | 559.3  |
| 30°   | 427.5  | 427.5  | 430.5  | 433.5  | 427.5  |
| 32.5° | 330.4  | 330.4  | 330.4  | 332.0  | 333.5  |
| 35°   | 250.1  | 250.1  | 251.6  | 251.6  | 251.6  |
| 37.5° | 192.5  | 194.0  | 195.5  | 195.5  | 195.5  |
| 40°   | 148.5  | 150.1  | 150.1  | 151.6  | 150.1  |
| 42.5° | 118.2  | 118.2  | 118.2  | 119.7  | 119.7  |
| 45°   | 92.5   | 94.0   | 94.0   | 95.5   | 95.5   |
| 47.5° | 75.8   | 75.8   | 75.8   | 77.3   | 77.3   |
| 50°   | 60.6   | 62.1   | 62.1   | 62.1   | 62.1   |
| 52.5° | 50.0   | 50.0   | 51.5   | 51.5   | 51.5   |
| 55°   | 42.4   | 42.4   | 42.4   | 42.4   | 42.4   |
| 57.5° | 34.9   | 36.4   | 36.4   | 36.4   | 36.4   |
| 60°   | 30.3   | 30.3   | 30.3   | 30.3   | 30.3   |
| 62.5° | 25.8   | 25.8   | 25.8   | 25.8   | 25.8   |
| 65°   | 22.7   | 22.7   | 22.7   | 22.7   | 22.7   |
| 67.5° | 18.2   | 19.7   | 19.7   | 19.7   | 19.7   |
| 70°   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   |
| 72.5° | 12.1   | 13.6   | 13.6   | 13.6   | 13.6   |
| 75°   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   |
| 77.5° | 9.1    | 7.6    | 7.6    | 7.6    | 9.1    |
| 80°   | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 82.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 85°   | 1.5    | 1.5    | 1.5    | 1.5    | 3.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.5    | 1.5    |



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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)