

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: P1319253

Luminaire Tested: LDSQA3D13R359835DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319253  
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: LDSQA3D13R359835DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

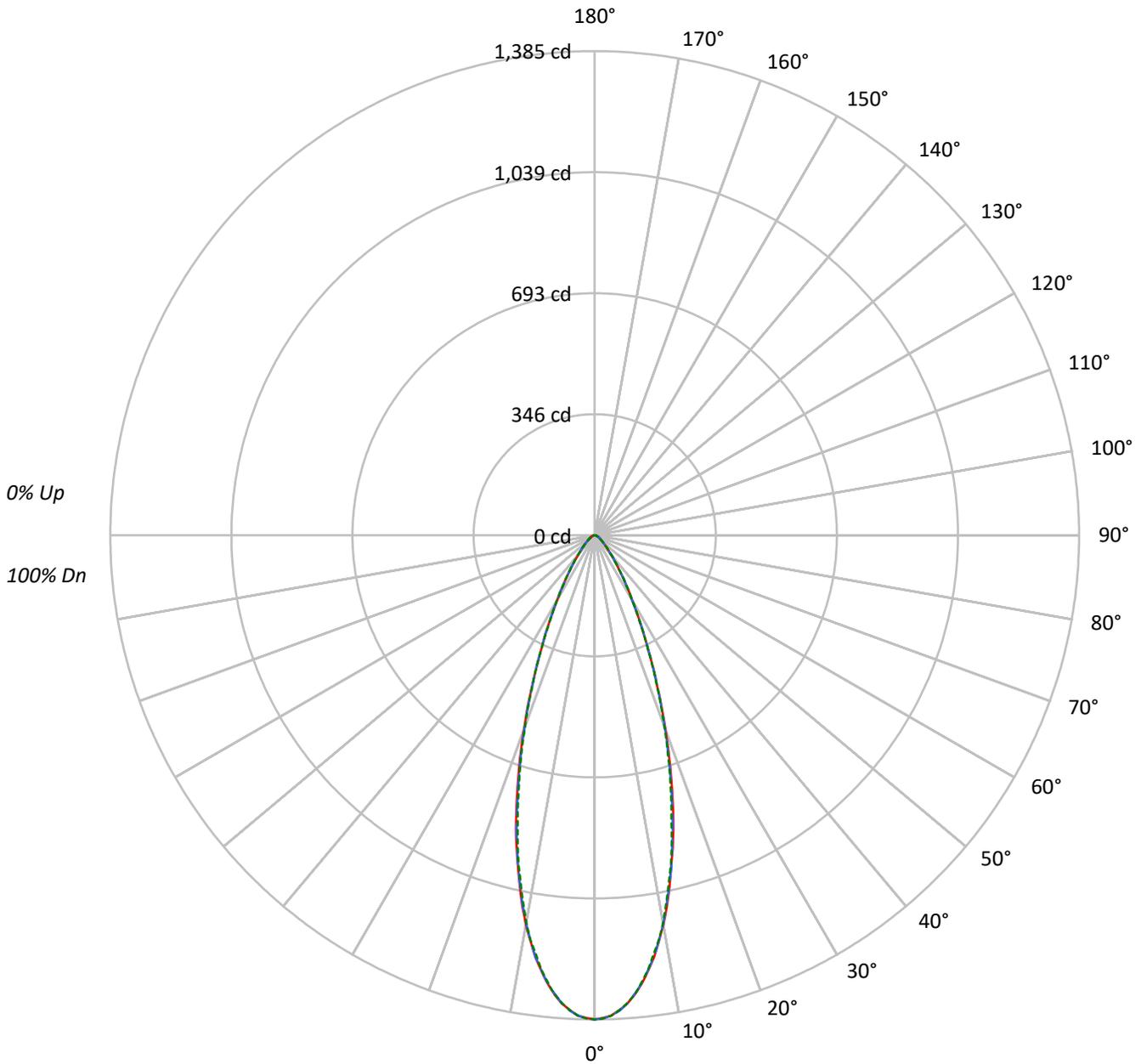
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 47.1 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): 14.5  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  | 94  | 94  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  | 87  | 87  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 82  | 82  | 82  | 82  |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  | 77  | 77  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  | 73  | 73  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 69  | 69  | 69  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  | 65  | 65  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  | 62  | 62  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  | 59  | 59  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  | 56  | 56  | 56  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 238511 | 238511 | 238511 |
| 5°  | 227908 | 227511 | 227908 |
| 10° | 197859 | 197194 | 196932 |
| 15° | 155030 | 153818 | 151393 |
| 20° | 108462 | 107491 | 106795 |
| 25° | 68885  | 69322  | 68885  |
| 30° | 42438  | 42736  | 42438  |
| 35° | 26260  | 26407  | 26407  |
| 40° | 16682  | 16839  | 16839  |
| 45° | 11252  | 11423  | 11618  |
| 50° | 8118   | 8306   | 8306   |
| 55° | 6366   | 6366   | 6366   |
| 60° | 5201   | 5201   | 5201   |
| 65° | 4646   | 4646   | 4646   |
| 70° | 4179   | 4179   | 4179   |
| 75° | 3527   | 3527   | 3527   |
| 80° | 2975   | 2975   | 2975   |
| 85° | 1581   | 1581   | 2964   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 11618 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 119.7  | 17.5      |
| 10°-20°   | 235.6  | 34.5      |
| 20°-30°   | 170.0  | 24.9      |
| 30°-40°   | 82.0   | 12.0      |
| 40°-50°   | 37.8   | 5.5       |
| 50°-60°   | 19.5   | 2.9       |
| 60°-70°   | 11.3   | 1.7       |
| 70°-80°   | 5.7    | 0.8       |
| 80°-90°   | 1.4    | 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°    | 525.4  | 76.9      |
| 0°-40°    | 607.3  | 88.9      |
| 0°-60°    | 664.6  | 97.3      |
| 0°-90°    | 683.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 683.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1385 | 1385  | 1385 | 1385  | 1385 |      |
| 5°  | 1318 | 1321  | 1316 | 1317  | 1318 | 120  |
| 15° | 870  | 868   | 863  | 859   | 849  | 237  |
| 25° | 362  | 363   | 365  | 365   | 362  | 170  |
| 35° | 125  | 125   | 126  | 126   | 126  | 82   |
| 45° | 46   | 47    | 47   | 48    | 48   | 37   |
| 55° | 21   | 21    | 21   | 21    | 21   | 19   |
| 65° | 11   | 11    | 11   | 11    | 11   | 11   |
| 75° | 5    | 5     | 5    | 5     | 5    | 6    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1384.9 | 1384.9 | 1384.9 | 1384.9 | 1384.9 |
| 1°    | 1381.1 | 1383.4 | 1382.6 | 1383.4 | 1382.6 |
| 2°    | 1374.3 | 1375.8 | 1374.3 | 1375.1 | 1375.1 |
| 3°    | 1359.9 | 1361.5 | 1361.5 | 1360.7 | 1359.9 |
| 4°    | 1342.5 | 1346.3 | 1342.5 | 1343.3 | 1341.0 |
| 5°    | 1318.3 | 1321.3 | 1316.0 | 1316.8 | 1318.3 |
| 6°    | 1288.8 | 1289.6 | 1288.0 | 1287.3 | 1285.8 |
| 7°    | 1254.7 | 1257.8 | 1252.5 | 1253.2 | 1251.7 |
| 8°    | 1218.4 | 1217.7 | 1217.7 | 1214.6 | 1210.1 |
| 9°    | 1174.5 | 1177.6 | 1173.0 | 1171.5 | 1172.3 |
| 10°   | 1131.4 | 1131.4 | 1127.6 | 1123.8 | 1126.1 |
| 11°   | 1082.2 | 1080.7 | 1078.4 | 1073.1 | 1071.6 |
| 12°   | 1028.5 | 1031.5 | 1024.7 | 1022.4 | 1017.1 |
| 13°   | 973.2  | 977.8  | 974.7  | 966.4  | 967.2  |
| 14°   | 921.8  | 918.7  | 916.5  | 915.0  | 909.7  |
| 15°   | 869.5  | 868.0  | 862.7  | 858.9  | 849.1  |
| 17.5° | 726.5  | 728.0  | 718.2  | 716.7  | 712.9  |
| 20°   | 591.8  | 587.3  | 586.5  | 587.3  | 582.7  |
| 22.5° | 466.9  | 471.5  | 466.2  | 466.9  | 463.9  |
| 25°   | 362.5  | 363.3  | 364.8  | 364.8  | 362.5  |
| 27.5° | 281.5  | 281.5  | 280.0  | 281.5  | 279.3  |
| 30°   | 213.4  | 213.4  | 214.9  | 216.4  | 213.4  |
| 32.5° | 165.0  | 165.0  | 165.0  | 165.7  | 166.5  |
| 35°   | 124.9  | 124.9  | 125.6  | 125.6  | 125.6  |
| 37.5° | 96.1   | 96.9   | 97.6   | 97.6   | 97.6   |
| 40°   | 74.2   | 74.9   | 74.9   | 75.7   | 74.9   |
| 42.5° | 59.0   | 59.0   | 59.0   | 59.8   | 59.8   |
| 45°   | 46.2   | 46.9   | 46.9   | 47.7   | 47.7   |
| 47.5° | 37.8   | 37.8   | 37.8   | 38.6   | 38.6   |
| 50°   | 30.3   | 31.0   | 31.0   | 31.0   | 31.0   |
| 52.5° | 25.0   | 25.0   | 25.7   | 25.7   | 25.7   |
| 55°   | 21.2   | 21.2   | 21.2   | 21.2   | 21.2   |
| 57.5° | 17.4   | 18.2   | 18.2   | 18.2   | 18.2   |
| 60°   | 15.1   | 15.1   | 15.1   | 15.1   | 15.1   |
| 62.5° | 12.9   | 12.9   | 12.9   | 12.9   | 12.9   |
| 65°   | 11.4   | 11.4   | 11.4   | 11.4   | 11.4   |
| 67.5° | 9.1    | 9.8    | 9.8    | 9.8    | 9.8    |
| 70°   | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    |
| 72.5° | 6.1    | 6.8    | 6.8    | 6.8    | 6.8    |
| 75°   | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 77.5° | 4.5    | 3.8    | 3.8    | 3.8    | 4.5    |
| 80°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 82.5° | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 1.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    |



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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)