

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: P1310837

Luminaire Tested: LDSQA3D24R359035D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R359035D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

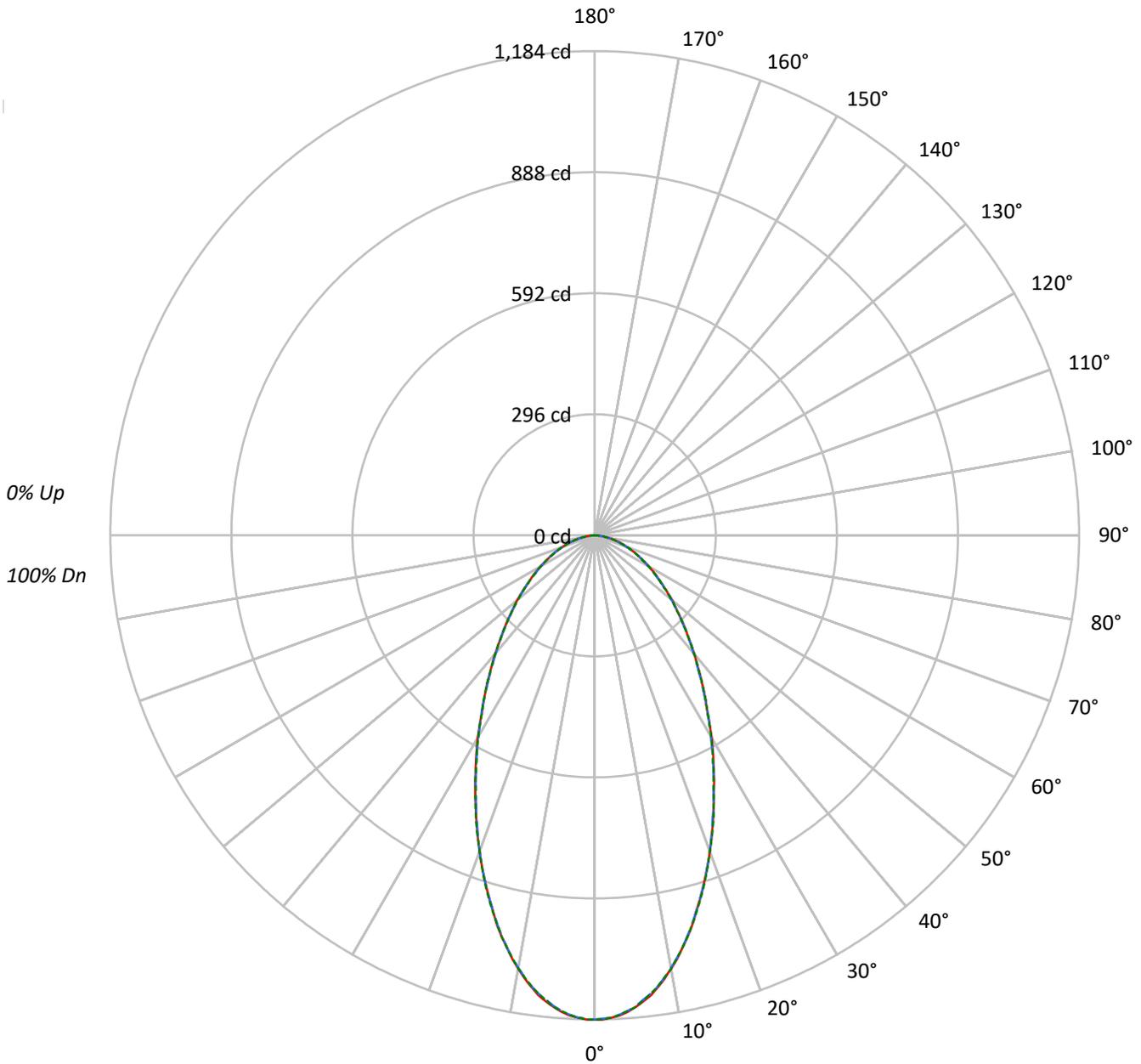
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1582.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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

TEST NUMBER: P1310837  
CATALOG NUMBER: LDSQA3D24R359035D010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot



0% Up  
100% Dn

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



TEST NUMBER: P1310837

CATALOG NUMBER: LDSQA3D24R359035D010 3LSQPHRLD1MW

**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 88  | 88  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 84  | 81  | 79  | 77  | 77  | 77  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  | 68  | 68  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  | 60  | 60  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  | 54  | 54  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  | 49  | 49  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 44  | 44  | 44  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  | 41  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 44  | 39  | 48  | 43  | 39  | 38  | 38  | 38  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 45  | 40  | 36  | 35  | 35  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 203946 | 203946 | 203946 |
| 5°  | 200126 | 199781 | 200126 |
| 10° | 188170 | 187803 | 188170 |
| 15° | 170364 | 170364 | 170738 |
| 20° | 150799 | 150799 | 150799 |
| 25° | 131137 | 130757 | 130757 |
| 30° | 113691 | 112876 | 113274 |
| 35° | 97869  | 97449  | 97869  |
| 40° | 84915  | 84465  | 84915  |
| 45° | 74602  | 74091  | 74091  |
| 50° | 66179  | 65643  | 65643  |
| 55° | 58251  | 58251  | 58251  |
| 60° | 52735  | 52046  | 52735  |
| 65° | 47435  | 47435  | 47435  |
| 70° | 42147  | 42147  | 42147  |
| 75° | 38062  | 36664  | 38062  |
| 80° | 32432  | 32432  | 32432  |
| 85° | 20156  | 20156  | 20156  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74602 cd/sqm



TEST NUMBER: P1310837

CATALOG NUMBER: LDSQA3D24R359035D010 3LSQPHRLD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.7  | 6.8       |
| 10°-20°   | 266.5  | 16.8      |
| 20°-30°   | 316.7  | 20.0      |
| 30°-40°   | 291.0  | 18.4      |
| 40°-50°   | 236.3  | 14.9      |
| 50°-60°   | 174.9  | 11.1      |
| 60°-70°   | 115.5  | 7.3       |
| 70°-80°   | 59.9   | 3.8       |
| 80°-90°   | 13.5   | 0.9       |
| 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°    | 691.0  | 43.7      |
| 0°-40°    | 982.0  | 62.1      |
| 0°-60°    | 1393.1 | 88.1      |
| 0°-90°    | 1582.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1582.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1184 | 1184  | 1184 | 1184  | 1184 |      |
| 5°  | 1158 | 1156  | 1156 | 1156  | 1158 | 108  |
| 15° | 956  | 956   | 956  | 956   | 958  | 267  |
| 25° | 690  | 688   | 688  | 690   | 688  | 317  |
| 35° | 466  | 464   | 464  | 466   | 466  | 292  |
| 45° | 306  | 304   | 304  | 304   | 304  | 237  |
| 55° | 194  | 194   | 194  | 194   | 194  | 176  |
| 65° | 116  | 116   | 116  | 116   | 116  | 116  |
| 75° | 57   | 57    | 55   | 57    | 57   | 61   |
| 85° | 10   | 10    | 10   | 10    | 10   | 13   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P1310837  
 CATALOG NUMBER: LDSQA3D24R359035D010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1184.2 | 1184.2 | 1184.2 | 1184.2 | 1184.2 |
| 1°    | 1184.2 | 1182.1 | 1182.1 | 1182.1 | 1184.2 |
| 2°    | 1180.1 | 1180.1 | 1180.1 | 1180.1 | 1180.1 |
| 3°    | 1176.0 | 1174.0 | 1174.0 | 1174.0 | 1174.0 |
| 4°    | 1167.9 | 1165.8 | 1165.8 | 1165.8 | 1165.8 |
| 5°    | 1157.6 | 1155.6 | 1155.6 | 1155.6 | 1157.6 |
| 6°    | 1145.4 | 1143.4 | 1141.3 | 1141.3 | 1143.4 |
| 7°    | 1133.1 | 1129.1 | 1129.1 | 1129.1 | 1129.1 |
| 8°    | 1114.8 | 1112.7 | 1112.7 | 1112.7 | 1112.7 |
| 9°    | 1096.4 | 1092.3 | 1094.4 | 1094.4 | 1094.4 |
| 10°   | 1076.0 | 1073.9 | 1073.9 | 1073.9 | 1076.0 |
| 11°   | 1055.6 | 1053.5 | 1053.5 | 1051.5 | 1053.5 |
| 12°   | 1031.1 | 1031.1 | 1031.1 | 1031.1 | 1031.1 |
| 13°   | 1008.6 | 1006.6 | 1006.6 | 1006.6 | 1008.6 |
| 14°   | 984.1  | 982.1  | 982.1  | 982.1  | 982.1  |
| 15°   | 955.5  | 955.5  | 955.5  | 955.5  | 957.6  |
| 17.5° | 890.2  | 888.1  | 890.2  | 890.2  | 892.2  |
| 20°   | 822.8  | 820.8  | 822.8  | 822.8  | 822.8  |
| 22.5° | 755.4  | 755.4  | 753.4  | 755.4  | 757.5  |
| 25°   | 690.1  | 688.1  | 688.1  | 690.1  | 688.1  |
| 27.5° | 628.8  | 626.8  | 626.8  | 626.8  | 626.8  |
| 30°   | 571.7  | 567.6  | 567.6  | 569.6  | 569.6  |
| 32.5° | 512.5  | 512.5  | 514.5  | 512.5  | 512.5  |
| 35°   | 465.5  | 463.5  | 463.5  | 465.5  | 465.5  |
| 37.5° | 418.5  | 416.5  | 416.5  | 418.5  | 418.5  |
| 40°   | 377.7  | 377.7  | 375.7  | 377.7  | 377.7  |
| 42.5° | 338.9  | 338.9  | 338.9  | 338.9  | 338.9  |
| 45°   | 306.3  | 304.2  | 304.2  | 304.2  | 304.2  |
| 47.5° | 273.6  | 273.6  | 273.6  | 271.5  | 273.6  |
| 50°   | 247.0  | 245.0  | 245.0  | 245.0  | 245.0  |
| 52.5° | 218.5  | 218.5  | 218.5  | 218.5  | 218.5  |
| 55°   | 194.0  | 194.0  | 194.0  | 194.0  | 194.0  |
| 57.5° | 173.5  | 171.5  | 171.5  | 171.5  | 171.5  |
| 60°   | 153.1  | 153.1  | 151.1  | 153.1  | 153.1  |
| 62.5° | 132.7  | 132.7  | 132.7  | 132.7  | 132.7  |
| 65°   | 116.4  | 116.4  | 116.4  | 116.4  | 116.4  |
| 67.5° | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  |
| 70°   | 83.7   | 83.7   | 83.7   | 83.7   | 83.7   |
| 72.5° | 71.5   | 69.4   | 69.4   | 69.4   | 69.4   |
| 75°   | 57.2   | 57.2   | 55.1   | 57.2   | 57.2   |
| 77.5° | 42.9   | 42.9   | 42.9   | 42.9   | 42.9   |
| 80°   | 32.7   | 32.7   | 32.7   | 30.6   | 32.7   |
| 82.5° | 20.4   | 20.4   | 20.4   | 20.4   | 20.4   |
| 85°   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 87.5° | 2.0    | 2.0    | 2.0    | 4.1    | 4.1    |



TEST NUMBER: P1310837  
CATALOG NUMBER: LDSQA3D24R359035D010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)