

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: P1313093

Luminaire Tested: LDSQA3D24R709050D010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R709050D010 3LSQCLDWWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWWR1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

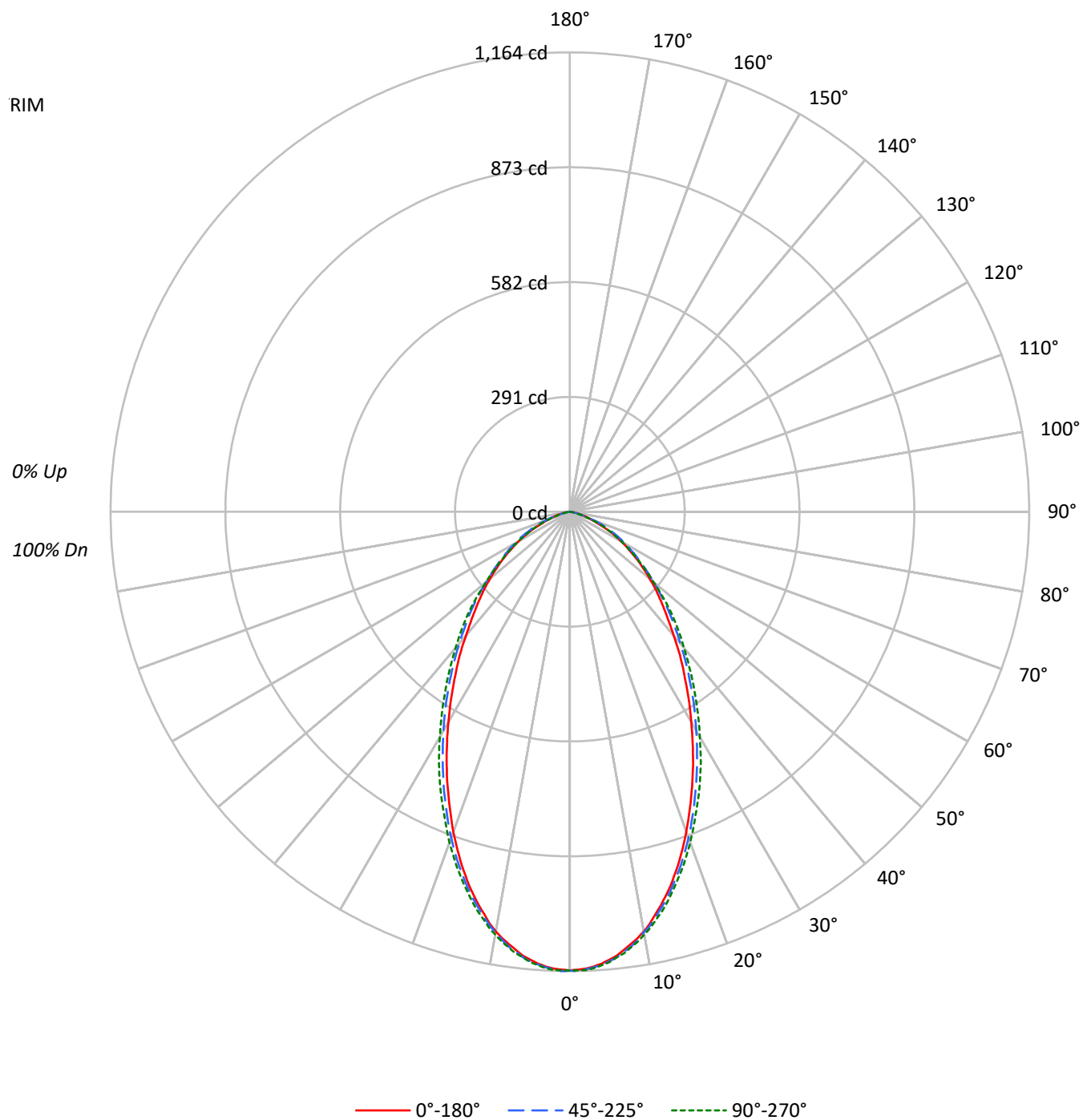
Lumens per Lamp: N/A  
Luminaire Lumens: 1664.0 lumens  
Efficiency: N/A  
Efficacy: 57.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |    |    |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  |    |    |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 69  |    |    |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 62  |    |    |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 55  |    |    |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  | 62  | 56  | 52  | 61  | 56  | 52  | 50  |    |    |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  | 58  | 52  | 47  | 56  | 51  | 47  | 45  |    |    |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 52  | 47  | 43  | 41  |    |    |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  |    |    |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 200174 | 200174 | 200174 |
| 5°  | 197015 | 197741 | 198086 |
| 10° | 188835 | 189185 | 190269 |
| 15° | 175213 | 176693 | 178155 |
| 20° | 158167 | 161191 | 163463 |
| 25° | 140050 | 143983 | 147518 |
| 30° | 122342 | 127274 | 130973 |
| 35° | 106342 | 111998 | 115467 |
| 40° | 91907  | 97932  | 101192 |
| 45° | 80448  | 85977  | 88510  |
| 50° | 70814  | 74136  | 74136  |
| 55° | 61373  | 64466  | 62604  |
| 60° | 51908  | 55456  | 52631  |
| 65° | 40385  | 46294  | 42055  |
| 70° | 29105  | 34291  | 29105  |
| 75° | 21959  | 20628  | 16502  |
| 80° | 14381  | 10215  | 4066   |
| 85° | 4150   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 88510 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.2  | 6.4       |
| 10°-20°   | 276.6  | 16.6      |
| 20°-30°   | 347.2  | 20.9      |
| 30°-40°   | 331.6  | 19.9      |
| 40°-50°   | 269.6  | 16.2      |
| 50°-60°   | 188.8  | 11.3      |
| 60°-70°   | 106.6  | 6.4       |
| 70°-80°   | 33.7   | 2.0       |
| 80°-90°   | 2.6    | 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°    | 731.0  | 43.9      |
| 0°-40°    | 1062.6 | 63.9      |
| 0°-60°    | 1521.0 | 91.4      |
| 0°-90°    | 1664.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1664.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1162 | 1162  | 1162 | 1162  | 1162 |      |
| 5°  | 1140 | 1142  | 1144 | 1142  | 1146 | 107  |
| 15° | 983  | 985   | 991  | 993   | 999  | 274  |
| 25° | 737  | 745   | 758  | 770   | 776  | 338  |
| 35° | 506  | 514   | 533  | 543   | 549  | 317  |
| 45° | 330  | 339   | 353  | 359   | 363  | 256  |
| 55° | 204  | 206   | 215  | 211   | 208  | 183  |
| 65° | 99   | 105   | 114  | 107   | 103  | 100  |
| 75° | 33   | 33    | 31   | 27    | 25   | 36   |
| 85° | 2    | 2     | 0    | 0     | 0    | 4    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1162.3 | 1162.3 | 1162.3 | 1162.3 | 1162.3 |
| 1°    | 1160.3 | 1162.3 | 1164.4 | 1160.3 | 1162.3 |
| 2°    | 1158.2 | 1160.3 | 1160.3 | 1158.2 | 1162.3 |
| 3°    | 1154.1 | 1156.2 | 1156.2 | 1154.1 | 1158.2 |
| 4°    | 1147.9 | 1150.0 | 1150.0 | 1147.9 | 1152.0 |
| 5°    | 1139.6 | 1141.7 | 1143.8 | 1141.7 | 1145.8 |
| 6°    | 1131.4 | 1133.4 | 1135.5 | 1133.4 | 1135.5 |
| 7°    | 1119.0 | 1123.1 | 1123.1 | 1123.1 | 1127.2 |
| 8°    | 1106.6 | 1110.7 | 1112.8 | 1110.7 | 1114.9 |
| 9°    | 1094.2 | 1096.3 | 1098.3 | 1098.3 | 1102.5 |
| 10°   | 1079.8 | 1081.8 | 1081.8 | 1083.9 | 1088.0 |
| 11°   | 1063.2 | 1063.2 | 1067.4 | 1067.4 | 1073.6 |
| 12°   | 1042.6 | 1044.7 | 1048.8 | 1050.9 | 1055.0 |
| 13°   | 1024.0 | 1026.1 | 1030.2 | 1032.3 | 1038.5 |
| 14°   | 1003.4 | 1007.5 | 1011.6 | 1013.7 | 1019.9 |
| 15°   | 982.7  | 984.8  | 991.0  | 993.1  | 999.2  |
| 17.5° | 924.9  | 927.0  | 937.3  | 941.4  | 947.6  |
| 20°   | 863.0  | 869.2  | 879.5  | 885.7  | 891.9  |
| 22.5° | 799.0  | 805.2  | 817.6  | 827.9  | 832.0  |
| 25°   | 737.0  | 745.3  | 757.7  | 770.1  | 776.3  |
| 27.5° | 675.1  | 683.4  | 697.8  | 710.2  | 718.5  |
| 30°   | 615.2  | 623.5  | 640.0  | 650.3  | 658.6  |
| 32.5° | 559.5  | 567.8  | 586.3  | 596.7  | 602.9  |
| 35°   | 505.8  | 514.1  | 532.7  | 543.0  | 549.2  |
| 37.5° | 458.3  | 466.6  | 483.1  | 493.4  | 497.6  |
| 40°   | 408.8  | 419.1  | 435.6  | 445.9  | 450.1  |
| 42.5° | 367.5  | 375.7  | 392.3  | 400.5  | 406.7  |
| 45°   | 330.3  | 338.6  | 353.0  | 359.2  | 363.4  |
| 47.5° | 297.3  | 301.4  | 313.8  | 315.9  | 320.0  |
| 50°   | 264.3  | 268.4  | 276.7  | 278.7  | 276.7  |
| 52.5° | 233.3  | 237.4  | 243.6  | 241.6  | 241.6  |
| 55°   | 204.4  | 206.5  | 214.7  | 210.6  | 208.5  |
| 57.5° | 175.5  | 179.6  | 187.9  | 181.7  | 179.6  |
| 60°   | 150.7  | 154.8  | 161.0  | 156.9  | 152.8  |
| 62.5° | 125.9  | 128.0  | 138.3  | 130.1  | 125.9  |
| 65°   | 99.1   | 105.3  | 113.6  | 107.4  | 103.2  |
| 67.5° | 74.3   | 84.6   | 92.9   | 84.6   | 80.5   |
| 70°   | 57.8   | 61.9   | 68.1   | 64.0   | 57.8   |
| 72.5° | 43.4   | 45.4   | 47.5   | 43.4   | 39.2   |
| 75°   | 33.0   | 33.0   | 31.0   | 26.8   | 24.8   |
| 77.5° | 22.7   | 22.7   | 18.6   | 12.4   | 12.4   |
| 80°   | 14.5   | 14.5   | 10.3   | 4.1    | 4.1    |
| 82.5° | 6.2    | 6.2    | 4.1    | 2.1    | 2.1    |
| 85°   | 2.1    | 2.1    | 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)