

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: P1314366

Luminaire Tested: LDSQA3D05R459730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459730DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

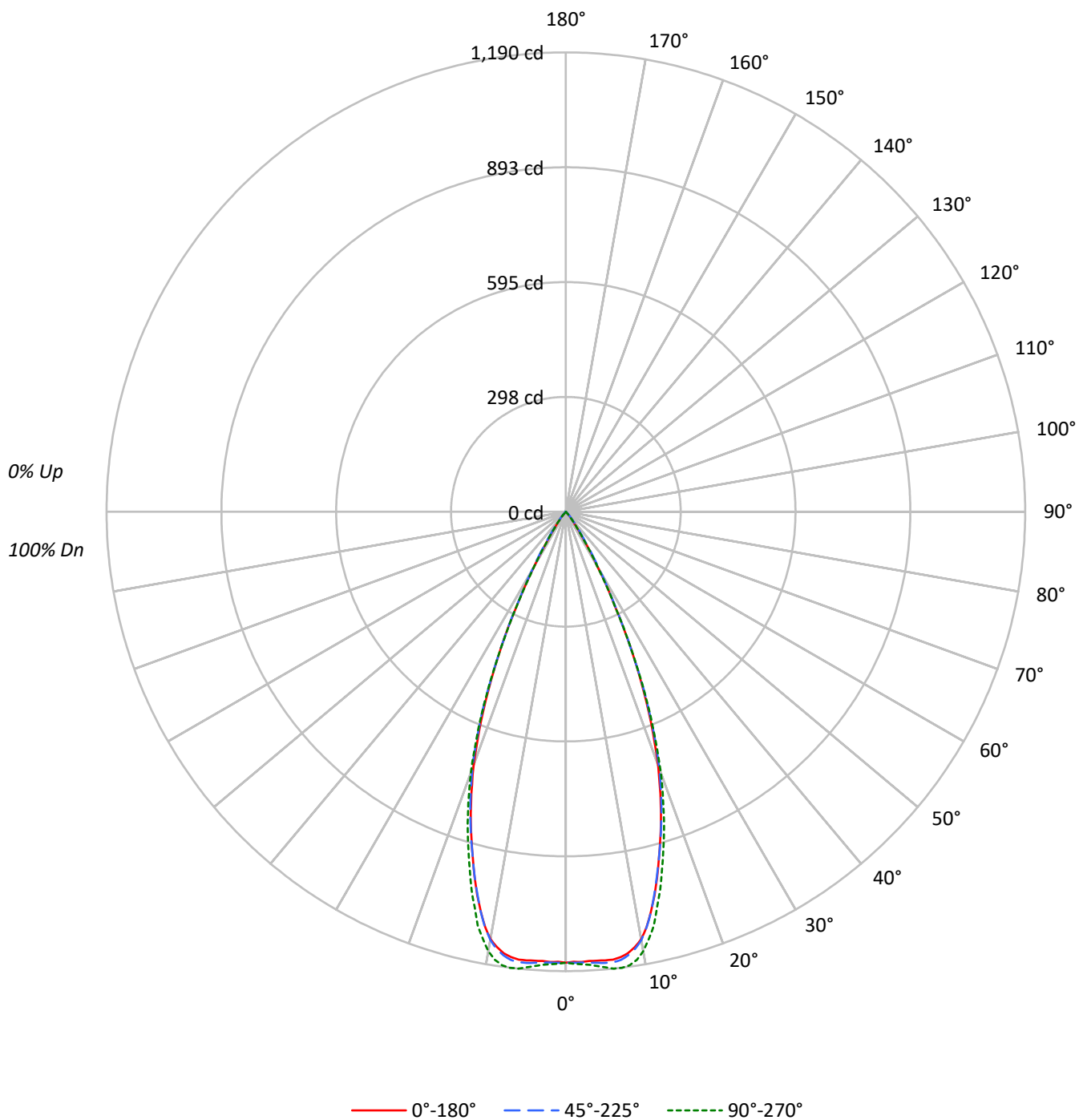
Lumens per Lamp: N/A  
Luminaire Lumens: 604.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 98  | 95  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 92  | 94  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 88  | 90  | 87  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 86  | 83  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 80  | 82  | 79  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 77  | 79  | 75  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 73  | 73  | 76  | 72  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 70  | 73  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 67  | 67  | 70  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 71  | 67  | 65  | 65  | 67  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 201190 | 201190 | 201190 |
| 5°  | 201648 | 202823 | 204846 |
| 10° | 196599 | 197002 | 202178 |
| 15° | 165871 | 165942 | 171398 |
| 20° | 128036 | 129851 | 131995 |
| 25° | 79431  | 79507  | 80020  |
| 30° | 32773  | 34821  | 32236  |
| 35° | 10197  | 12468  | 9818   |
| 40° | 3125   | 4339   | 2923   |
| 45° | 219    | 1632   | 219    |
| 50° | 0      | 241    | 0      |
| 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: 45°

Vertical Angle: 45°

Luminance: 1632 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.2  | 18.4      |
| 10°-20°   | 258.5  | 42.8      |
| 20°-30°   | 189.6  | 31.4      |
| 30°-40°   | 40.8   | 6.7       |
| 40°-50°   | 3.9    | 0.6       |
| 50°-60°   | 0.0    | 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°    | 559.3  | 92.6      |
| 0°-40°    | 600.1  | 99.4      |
| 0°-60°    | 604.0  | 100.0     |
| 0°-90°    | 604.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 604.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1168 | 1168  | 1168 | 1168  | 1168 |      |
| 5°  | 1166 | 1170  | 1173 | 1181  | 1185 | 110  |
| 15° | 930  | 928   | 931  | 946   | 961  | 256  |
| 25° | 418  | 417   | 418  | 418   | 421  | 187  |
| 35° | 48   | 52    | 59   | 51    | 47   | 38   |
| 45° | 1    | 3     | 7    | 3     | 1    | 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1168.2 | 1168.2 | 1168.2 | 1168.2 | 1168.2 |
| 1°    | 1166.0 | 1168.7 | 1168.7 | 1170.5 | 1171.4 |
| 2°    | 1166.9 | 1168.7 | 1168.2 | 1171.4 | 1172.7 |
| 3°    | 1165.5 | 1168.7 | 1169.6 | 1173.2 | 1175.4 |
| 4°    | 1166.0 | 1168.7 | 1171.4 | 1176.8 | 1179.9 |
| 5°    | 1166.4 | 1169.6 | 1173.2 | 1181.3 | 1184.9 |
| 6°    | 1166.9 | 1169.1 | 1173.2 | 1183.5 | 1190.2 |
| 7°    | 1162.4 | 1165.5 | 1170.0 | 1183.1 | 1190.2 |
| 8°    | 1155.2 | 1157.0 | 1160.6 | 1177.7 | 1186.2 |
| 9°    | 1141.8 | 1141.3 | 1146.7 | 1165.5 | 1175.4 |
| 10°   | 1124.2 | 1118.9 | 1126.5 | 1145.3 | 1156.1 |
| 11°   | 1096.0 | 1090.1 | 1096.9 | 1117.1 | 1127.4 |
| 12°   | 1059.1 | 1059.1 | 1060.5 | 1078.4 | 1096.4 |
| 13°   | 1020.1 | 1015.6 | 1018.3 | 1038.5 | 1051.1 |
| 14°   | 977.0  | 972.5  | 975.2  | 990.4  | 1010.2 |
| 15°   | 930.3  | 928.5  | 930.7  | 945.5  | 961.3  |
| 17.5° | 819.4  | 815.3  | 823.4  | 838.2  | 846.3  |
| 20°   | 698.6  | 705.3  | 708.5  | 717.9  | 720.2  |
| 22.5° | 559.9  | 567.1  | 571.5  | 572.9  | 574.2  |
| 25°   | 418.0  | 416.7  | 418.4  | 418.4  | 421.1  |
| 27.5° | 274.8  | 274.8  | 279.7  | 276.6  | 273.4  |
| 30°   | 164.8  | 171.5  | 175.1  | 169.3  | 162.1  |
| 32.5° | 89.8   | 96.5   | 102.4  | 93.8   | 87.6   |
| 35°   | 48.5   | 52.1   | 59.3   | 50.7   | 46.7   |
| 37.5° | 26.5   | 29.6   | 34.1   | 28.7   | 26.5   |
| 40°   | 13.9   | 17.1   | 19.3   | 17.1   | 13.0   |
| 42.5° | 4.5    | 8.5    | 11.2   | 8.5    | 4.0    |
| 45°   | 0.9    | 2.7    | 6.7    | 2.7    | 0.9    |
| 47.5° | 0.0    | 0.4    | 3.1    | 0.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.9    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)