

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: P1324747

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRLD1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324747  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQPHRLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

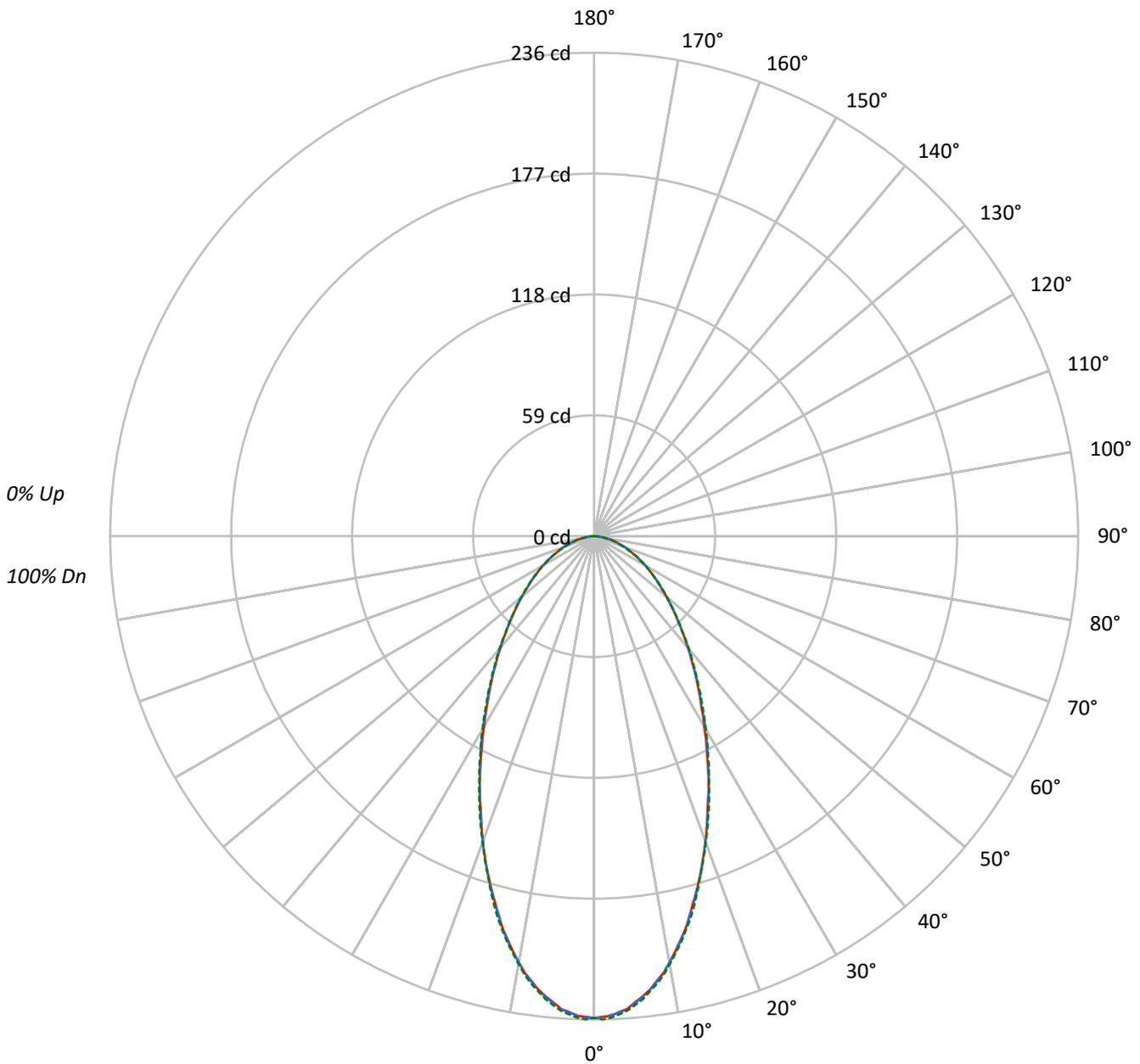
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 302.0 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 90  | 90  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 79  | 79  | 79  | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 70  | 68  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 62  | 62  | 62  | 60  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 56  | 56  | 56  | 54  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 51  | 51  | 51  | 49  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 43  | 43  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 40  | 40  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 37  | 37  | 37  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 40507 | 40507 | 40507 |
| 5°  | 39503 | 39572 | 39728 |
| 10° | 36970 | 36970 | 37109 |
| 15° | 33146 | 33217 | 33449 |
| 20° | 29086 | 29086 | 29177 |
| 25° | 25084 | 25084 | 25236 |
| 30° | 21358 | 21597 | 21676 |
| 35° | 18438 | 18523 | 18628 |
| 40° | 15962 | 16052 | 16165 |
| 45° | 13932 | 14029 | 14029 |
| 50° | 12325 | 12325 | 12432 |
| 55° | 11050 | 11050 | 11050 |
| 60° | 9920  | 9920  | 9920  |
| 65° | 8843  | 8843  | 8843  |
| 70° | 8006  | 8006  | 8006  |
| 75° | 7253  | 6920  | 6920  |
| 80° | 6248  | 5752  | 5752  |
| 85° | 4150  | 4150  | 4150  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14029 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.3   | 7.1       |
| 10°-20°   | 51.9   | 17.2      |
| 20°-30°   | 60.7   | 20.1      |
| 30°-40°   | 55.2   | 18.3      |
| 40°-50°   | 44.6   | 14.8      |
| 50°-60°   | 32.9   | 10.9      |
| 60°-70°   | 21.7   | 7.2       |
| 70°-80°   | 11.2   | 3.7       |
| 80°-90°   | 2.6    | 0.8       |
| 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°    | 133.9  | 44.3      |
| 0°-40°    | 189.1  | 62.6      |
| 0°-60°    | 266.6  | 88.3      |
| 0°-90°    | 302.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 302.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 235 | 235   | 235 | 235   | 235 |      |
| 5°  | 228 | 228   | 229 | 229   | 230 | 21   |
| 15° | 186 | 186   | 186 | 186   | 188 | 52   |
| 25° | 132 | 132   | 132 | 132   | 133 | 60   |
| 35° | 88  | 87    | 88  | 88    | 89  | 55   |
| 45° | 57  | 58    | 58  | 58    | 58  | 44   |
| 55° | 37  | 36    | 37  | 36    | 37  | 33   |
| 65° | 22  | 22    | 22  | 22    | 22  | 22   |
| 75° | 11  | 10    | 10  | 10    | 10  | 12   |
| 85° | 2   | 2     | 2   | 2     | 2   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 235.2 | 235.2 | 235.2 | 235.2 | 235.2 |
| 1°    | 234.8 | 234.8 | 235.2 | 234.8 | 236.0 |
| 2°    | 234.4 | 233.9 | 233.9 | 233.9 | 235.2 |
| 3°    | 232.7 | 232.7 | 233.1 | 232.7 | 233.9 |
| 4°    | 231.4 | 231.0 | 231.4 | 231.0 | 232.3 |
| 5°    | 228.5 | 228.5 | 228.9 | 228.9 | 229.8 |
| 6°    | 226.0 | 226.0 | 226.4 | 226.0 | 227.3 |
| 7°    | 223.1 | 223.1 | 223.1 | 223.1 | 223.9 |
| 8°    | 219.3 | 219.3 | 219.7 | 219.7 | 220.6 |
| 9°    | 216.0 | 215.6 | 215.6 | 215.6 | 216.8 |
| 10°   | 211.4 | 211.4 | 211.4 | 211.4 | 212.2 |
| 11°   | 206.8 | 206.8 | 206.8 | 206.8 | 207.6 |
| 12°   | 201.8 | 201.8 | 202.2 | 201.8 | 203.0 |
| 13°   | 197.2 | 197.2 | 197.2 | 197.2 | 198.0 |
| 14°   | 191.7 | 191.3 | 191.7 | 191.7 | 193.0 |
| 15°   | 185.9 | 186.3 | 186.3 | 186.3 | 187.6 |
| 17.5° | 172.5 | 172.5 | 172.9 | 172.1 | 172.9 |
| 20°   | 158.7 | 158.3 | 158.7 | 158.7 | 159.2 |
| 22.5° | 144.5 | 145.0 | 145.0 | 145.0 | 145.8 |
| 25°   | 132.0 | 131.6 | 132.0 | 132.0 | 132.8 |
| 27.5° | 119.1 | 119.5 | 119.9 | 119.5 | 120.3 |
| 30°   | 107.4 | 108.2 | 108.6 | 107.8 | 109.0 |
| 32.5° | 96.9  | 96.9  | 97.3  | 97.8  | 98.2  |
| 35°   | 87.7  | 87.3  | 88.1  | 88.1  | 88.6  |
| 37.5° | 79.0  | 79.0  | 79.0  | 79.4  | 79.8  |
| 40°   | 71.0  | 71.0  | 71.4  | 71.4  | 71.9  |
| 42.5° | 63.9  | 63.5  | 63.9  | 63.9  | 63.9  |
| 45°   | 57.2  | 57.6  | 57.6  | 57.6  | 57.6  |
| 47.5° | 51.4  | 51.4  | 51.8  | 51.4  | 51.8  |
| 50°   | 46.0  | 46.0  | 46.0  | 46.0  | 46.4  |
| 52.5° | 40.9  | 40.9  | 40.9  | 40.9  | 41.4  |
| 55°   | 36.8  | 36.3  | 36.8  | 36.3  | 36.8  |
| 57.5° | 32.6  | 32.6  | 32.6  | 32.6  | 32.6  |
| 60°   | 28.8  | 28.4  | 28.8  | 28.4  | 28.8  |
| 62.5° | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  |
| 65°   | 21.7  | 21.7  | 21.7  | 21.7  | 21.7  |
| 67.5° | 18.8  | 18.8  | 18.8  | 18.4  | 18.4  |
| 70°   | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  |
| 72.5° | 13.4  | 13.0  | 13.0  | 13.0  | 13.0  |
| 75°   | 10.9  | 10.4  | 10.4  | 10.4  | 10.4  |
| 77.5° | 8.4   | 8.4   | 7.9   | 7.9   | 8.4   |
| 80°   | 6.3   | 5.8   | 5.8   | 5.8   | 5.8   |
| 82.5° | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   |
| 85°   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
| 87.5° | 0.4   | 0.4   | 0.4   | 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)