

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: P1324714

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHR1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324714  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQPHR1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

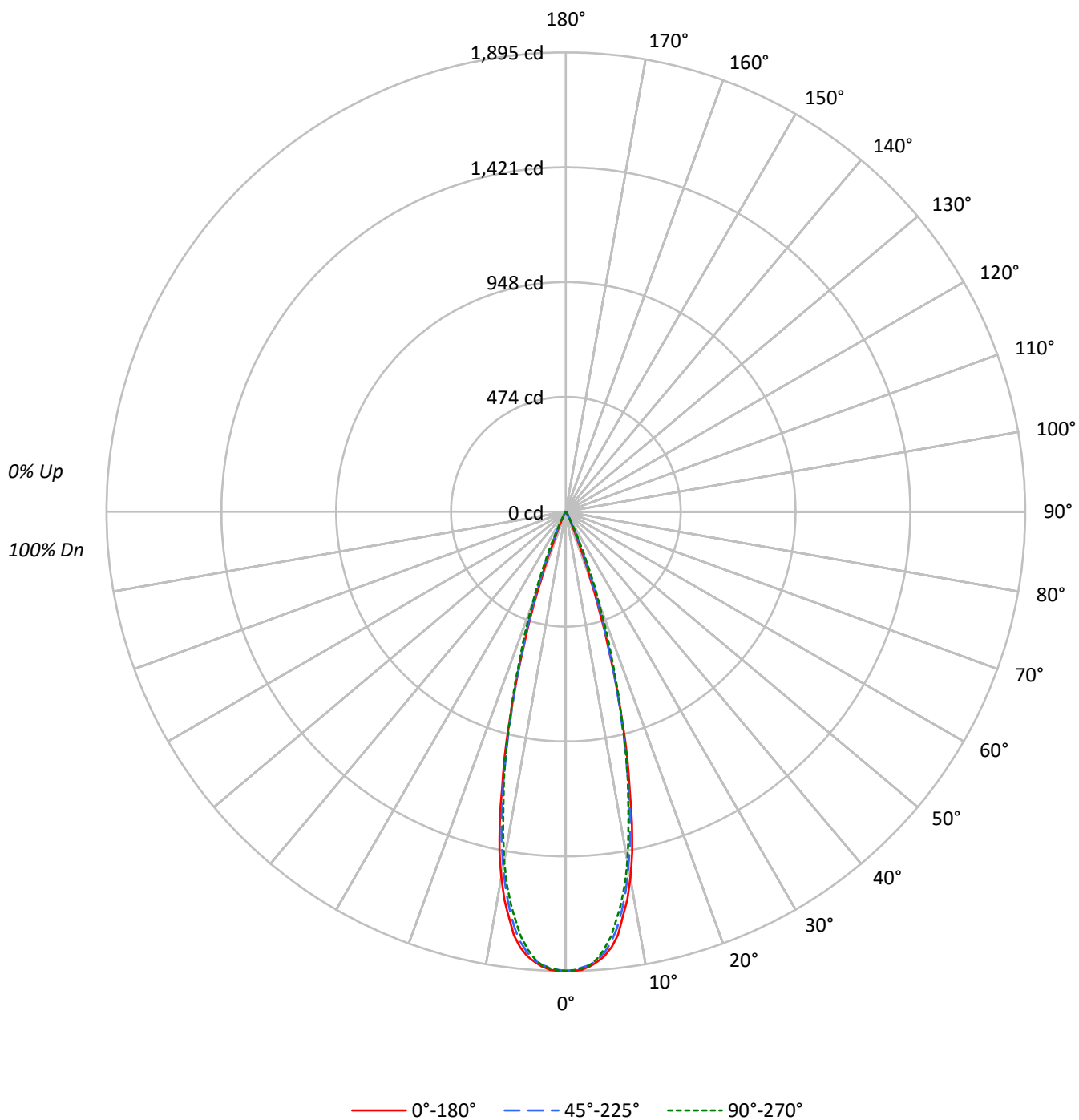
Lumens per Lamp: N/A  
Luminaire Lumens: 459.0 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



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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 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 96 | 96 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 93 | 93 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 91 | 91 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 88 | 88 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 86 | 86 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 83 | 83 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 81 | 81 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 79 | 79 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 77 | 77 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 75 | 75 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 326241 | 326241 | 326241 |
| 5°  | 317841 | 315663 | 313052 |
| 10° | 268230 | 259993 | 255779 |
| 15° | 161645 | 157134 | 160022 |
| 20° | 54836  | 63322  | 73035  |
| 25° | 10071  | 15791  | 18642  |
| 30° | 3460   | 3858   | 4335   |
| 35° | 988    | 1240   | 1325   |
| 40° | 270    | 450    | 360    |
| 45° | 97     | 97     | 97     |
| 50° | 107    | 0      | 107    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 163.8  | 35.7      |
| 10°-20°   | 239.4  | 52.2      |
| 20°-30°   | 50.7   | 11.0      |
| 30°-40°   | 4.7    | 1.0       |
| 40°-50°   | 0.5    | 0.1       |
| 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°    | 453.9  | 98.9      |
| 0°-40°    | 458.5  | 99.9      |
| 0°-60°    | 459.0  | 100.0     |
| 0°-90°    | 459.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 459.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1894 | 1894  | 1894 | 1894  | 1894 |      |
| 5°  | 1838 | 1835  | 1826 | 1820  | 1811 | 166  |
| 15° | 907  | 903   | 881  | 902   | 898  | 239  |
| 25° | 53   | 59    | 83   | 98    | 98   | 39   |
| 35° | 5    | 6     | 6    | 7     | 6    | 4    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1894.3 | 1894.3 | 1894.3 | 1894.3 | 1894.3 |
| 1°    | 1894.7 | 1892.7 | 1890.0 | 1893.9 | 1891.1 |
| 2°    | 1890.7 | 1886.0 | 1882.0 | 1886.0 | 1884.8 |
| 3°    | 1878.9 | 1874.9 | 1872.2 | 1874.1 | 1874.1 |
| 4°    | 1861.1 | 1856.7 | 1854.3 | 1854.7 | 1848.8 |
| 5°    | 1838.5 | 1835.0 | 1825.9 | 1820.3 | 1810.8 |
| 6°    | 1805.3 | 1796.6 | 1785.5 | 1776.4 | 1764.1 |
| 7°    | 1760.2 | 1746.7 | 1730.9 | 1715.1 | 1699.6 |
| 8°    | 1687.7 | 1681.4 | 1660.0 | 1649.4 | 1633.9 |
| 9°    | 1619.7 | 1604.2 | 1581.3 | 1563.9 | 1555.6 |
| 10°   | 1533.8 | 1510.9 | 1486.7 | 1472.9 | 1462.6 |
| 11°   | 1432.1 | 1408.8 | 1389.4 | 1369.2 | 1353.4 |
| 12°   | 1312.6 | 1292.8 | 1270.7 | 1257.2 | 1238.6 |
| 13°   | 1170.9 | 1168.2 | 1143.2 | 1138.9 | 1136.5 |
| 14°   | 1049.4 | 1038.4 | 1013.8 | 1020.6 | 1022.1 |
| 15°   | 906.6  | 903.4  | 881.3  | 901.8  | 897.5  |
| 17.5° | 567.9  | 569.0  | 582.9  | 615.3  | 625.6  |
| 20°   | 299.2  | 308.3  | 345.5  | 384.6  | 398.5  |
| 22.5° | 121.1  | 141.3  | 179.3  | 205.8  | 223.6  |
| 25°   | 53.0   | 59.4   | 83.1   | 97.7   | 98.1   |
| 27.5° | 30.1   | 30.5   | 40.0   | 41.6   | 42.3   |
| 30°   | 17.4   | 17.8   | 19.4   | 20.6   | 21.8   |
| 32.5° | 9.5    | 10.3   | 10.7   | 12.3   | 12.3   |
| 35°   | 4.7    | 5.9    | 5.9    | 7.1    | 6.3    |
| 37.5° | 2.8    | 3.2    | 3.6    | 3.6    | 3.2    |
| 40°   | 1.2    | 1.6    | 2.0    | 2.0    | 1.6    |
| 42.5° | 0.4    | 0.8    | 0.8    | 0.8    | 1.2    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)