

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: P1324717

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324717
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

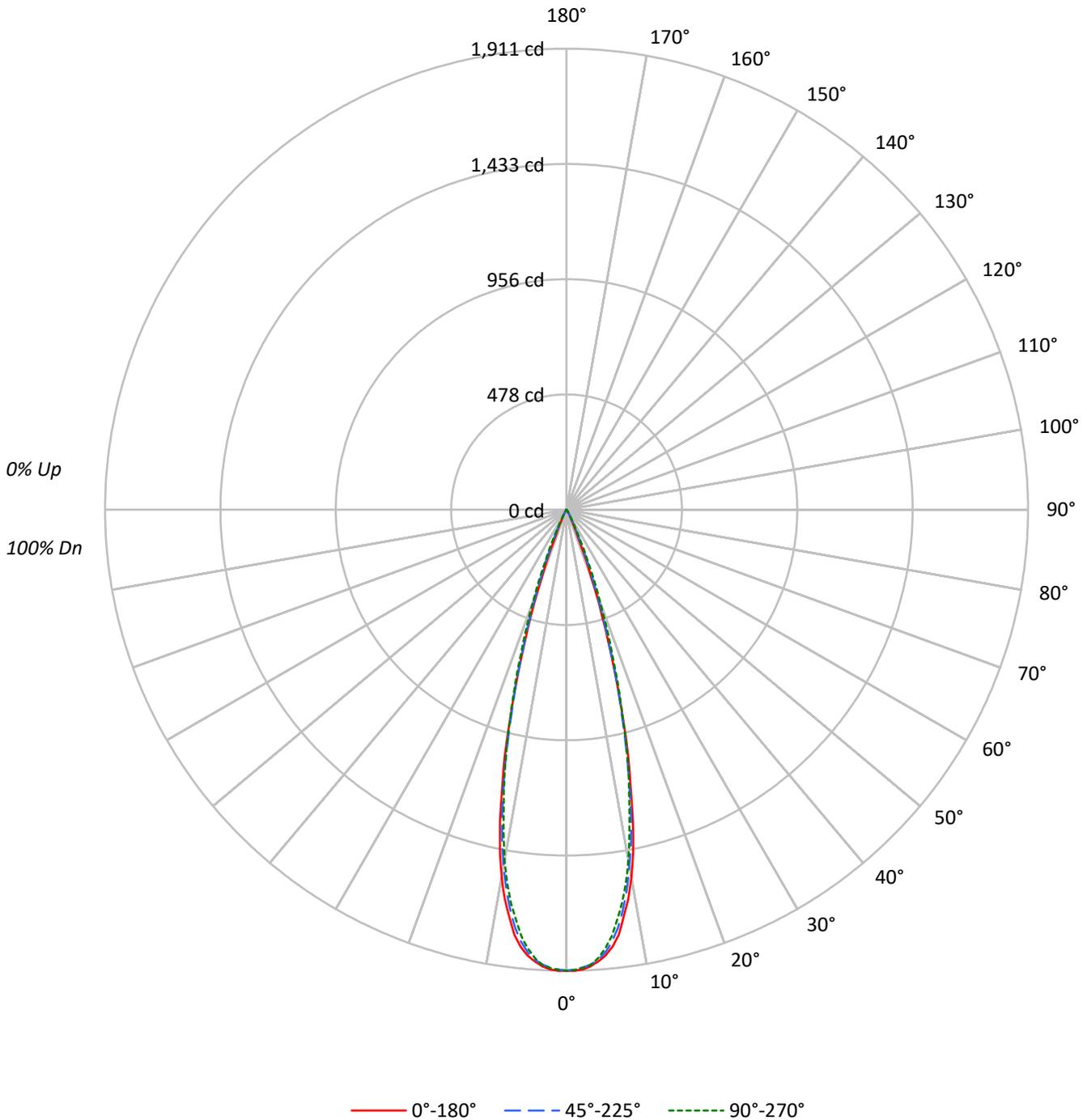
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 78.5 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





TEST NUMBER: P1324717

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 329083 | 329083 | 329083 |
| 5° | 320607 | 318411 | 315784 |
| 10° | 270573 | 262267 | 258000 |
| 15° | 163054 | 158489 | 161413 |
| 20° | 55313 | 63872 | 73677 |
| 25° | 10166 | 15924 | 18813 |
| 30° | 3500 | 3898 | 4375 |
| 35° | 1009 | 1261 | 1346 |
| 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° | 165.2 | 35.7 |
| 10°-20° | 241.5 | 52.2 |
| 20°-30° | 51.1 | 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 |
| 0°-30° | 457.8 | 98.9 |
| 0°-40° | 462.5 | 99.9 |
| 0°-60° | 463.0 | 100.0 |
| 0°-90° | 463.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 463.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1911 | 1911 | 1911 | 1911 | 1911 | |
| 5° | 1854 | 1851 | 1842 | 1836 | 1827 | 167 |
| 15° | 914 | 911 | 889 | 910 | 905 | 241 |
| 25° | 54 | 60 | 84 | 99 | 99 | 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 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1910.8 | 1910.8 | 1910.8 | 1910.8 | 1910.8 |
| 1° | 1911.2 | 1909.2 | 1906.4 | 1910.4 | 1907.6 |
| 2° | 1907.2 | 1902.4 | 1898.4 | 1902.4 | 1901.2 |
| 3° | 1895.3 | 1891.3 | 1888.5 | 1890.5 | 1890.5 |
| 4° | 1877.3 | 1872.9 | 1870.5 | 1870.9 | 1864.9 |
| 5° | 1854.5 | 1850.9 | 1841.8 | 1836.2 | 1826.6 |
| 6° | 1821.0 | 1812.2 | 1801.0 | 1791.9 | 1779.5 |
| 7° | 1775.5 | 1761.9 | 1746.0 | 1730.0 | 1714.4 |
| 8° | 1702.5 | 1696.1 | 1674.5 | 1663.7 | 1648.2 |
| 9° | 1633.8 | 1618.2 | 1595.1 | 1577.5 | 1569.1 |
| 10° | 1547.2 | 1524.0 | 1499.7 | 1485.7 | 1475.3 |
| 11° | 1444.6 | 1421.0 | 1401.5 | 1381.1 | 1365.2 |
| 12° | 1324.0 | 1304.1 | 1281.7 | 1268.2 | 1249.4 |
| 13° | 1181.1 | 1178.3 | 1153.2 | 1148.8 | 1146.4 |
| 14° | 1058.6 | 1047.4 | 1022.7 | 1029.5 | 1031.1 |
| 15° | 914.5 | 911.3 | 888.9 | 909.7 | 905.3 |
| 17.5° | 572.8 | 574.0 | 588.0 | 620.7 | 631.1 |
| 20° | 301.8 | 311.0 | 348.5 | 388.0 | 402.0 |
| 22.5° | 122.1 | 142.5 | 180.8 | 207.6 | 225.5 |
| 25° | 53.5 | 59.9 | 83.8 | 98.6 | 99.0 |
| 27.5° | 30.3 | 30.7 | 40.3 | 41.9 | 42.7 |
| 30° | 17.6 | 18.0 | 19.6 | 20.8 | 22.0 |
| 32.5° | 9.6 | 10.4 | 10.8 | 12.4 | 12.4 |
| 35° | 4.8 | 6.0 | 6.0 | 7.2 | 6.4 |
| 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)