

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: P1311190

Luminaire Tested: LDSQA3D05R409040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

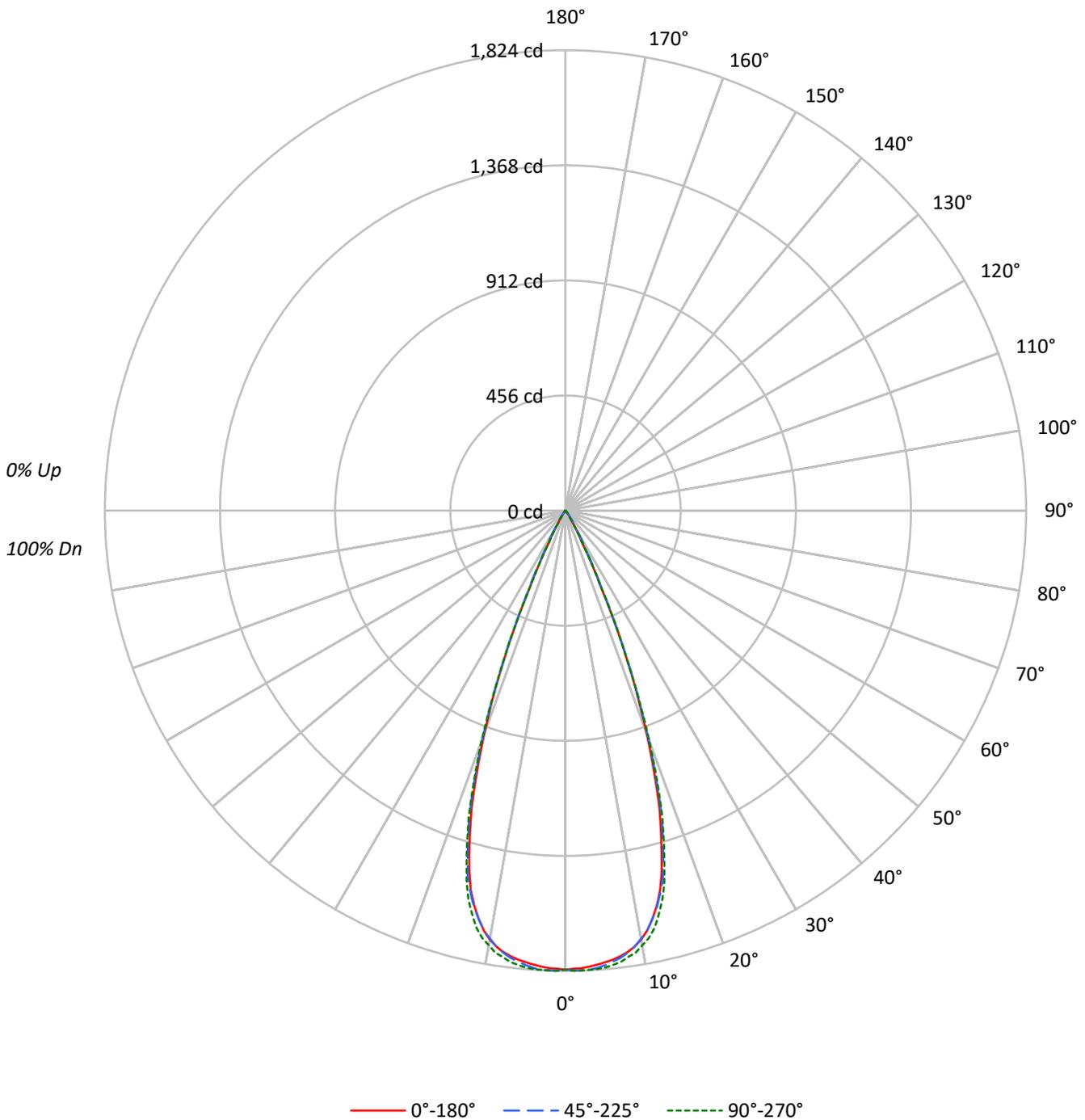
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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 (A_{in}): 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 | | | 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 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 98 | 98 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 94 | 94 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 90 | 90 | 90 | 89 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 87 | 87 | 87 | 87 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 93 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 83 | 83 | 82 |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 80 | 77 | 77 | 77 | 77 | 76 |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 75 | 75 | 75 | 73 |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 72 | 72 | 72 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 70 | 70 | 70 | 69 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 313307 | 313307 | 313307 |
| 5° | 310597 | 312551 | 314037 |
| 10° | 301754 | 301177 | 305899 |
| 15° | 262508 | 266734 | 269997 |
| 20° | 172279 | 175633 | 177906 |
| 25° | 61417 | 65008 | 61113 |
| 30° | 13384 | 18097 | 13503 |
| 35° | 4310 | 7485 | 4184 |
| 40° | 1326 | 2293 | 1214 |
| 45° | 122 | 779 | 122 |
| 50° | 0 | 134 | 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: 779 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 170.1 | 22.2 |
| 10°-20° | 396.2 | 51.8 |
| 20°-30° | 177.7 | 23.2 |
| 30°-40° | 19.2 | 2.5 |
| 40°-50° | 1.8 | 0.2 |
| 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° | 744.0 | 97.3 |
| 0°-40° | 763.2 | 99.8 |
| 0°-60° | 765.0 | 100.0 |
| 0°-90° | 765.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 765.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1819 | 1819 | 1819 | 1819 | 1819 | |
| 5° | 1797 | 1801 | 1808 | 1811 | 1816 | 169 |
| 15° | 1472 | 1483 | 1496 | 1505 | 1514 | 391 |
| 25° | 323 | 333 | 342 | 348 | 322 | 172 |
| 35° | 20 | 24 | 36 | 23 | 20 | 16 |
| 45° | 0 | 1 | 3 | 1 | 0 | 1 |
| 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 |



TEST NUMBER: P1311190

CATALOG NUMBER: LDSQA3D05R409040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1819.2 | 1819.2 | 1819.2 | 1819.2 | 1819.2 |
| 1° | 1815.4 | 1819.2 | 1822.4 | 1819.7 | 1823.5 |
| 2° | 1813.8 | 1818.1 | 1823.0 | 1820.3 | 1823.5 |
| 3° | 1809.5 | 1814.9 | 1820.3 | 1818.7 | 1821.9 |
| 4° | 1803.6 | 1807.9 | 1816.0 | 1816.0 | 1820.8 |
| 5° | 1796.6 | 1801.4 | 1807.9 | 1810.6 | 1816.5 |
| 6° | 1789.0 | 1791.7 | 1796.6 | 1802.0 | 1810.0 |
| 7° | 1779.3 | 1779.3 | 1785.3 | 1790.6 | 1801.4 |
| 8° | 1765.9 | 1764.8 | 1769.1 | 1776.1 | 1785.8 |
| 9° | 1749.2 | 1745.4 | 1748.6 | 1758.9 | 1773.4 |
| 10° | 1725.5 | 1722.2 | 1722.2 | 1735.2 | 1749.2 |
| 11° | 1694.8 | 1693.7 | 1694.2 | 1706.6 | 1725.5 |
| 12° | 1653.3 | 1654.3 | 1654.3 | 1668.4 | 1691.5 |
| 13° | 1606.4 | 1605.9 | 1610.7 | 1626.3 | 1642.0 |
| 14° | 1549.3 | 1552.5 | 1557.4 | 1571.4 | 1587.5 |
| 15° | 1472.3 | 1483.0 | 1496.0 | 1504.6 | 1514.3 |
| 17.5° | 1237.9 | 1248.7 | 1266.5 | 1273.5 | 1275.6 |
| 20° | 940.0 | 955.7 | 958.3 | 972.4 | 970.7 |
| 22.5° | 630.3 | 629.2 | 631.4 | 633.0 | 633.5 |
| 25° | 323.2 | 332.9 | 342.1 | 348.0 | 321.6 |
| 27.5° | 140.6 | 157.3 | 169.2 | 153.5 | 142.2 |
| 30° | 67.3 | 76.5 | 91.0 | 77.0 | 67.9 |
| 32.5° | 36.6 | 42.6 | 57.6 | 42.0 | 36.1 |
| 35° | 20.5 | 23.7 | 35.6 | 23.2 | 19.9 |
| 37.5° | 11.9 | 12.9 | 19.4 | 12.9 | 11.3 |
| 40° | 5.9 | 7.5 | 10.2 | 7.5 | 5.4 |
| 42.5° | 2.2 | 3.8 | 5.4 | 3.8 | 2.2 |
| 45° | 0.5 | 1.1 | 3.2 | 1.1 | 0.5 |
| 47.5° | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.5 | 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)