

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: P1317190

Luminaire Tested: LDSQA3D05R309827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317190
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: LDSQA3D05R309827DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

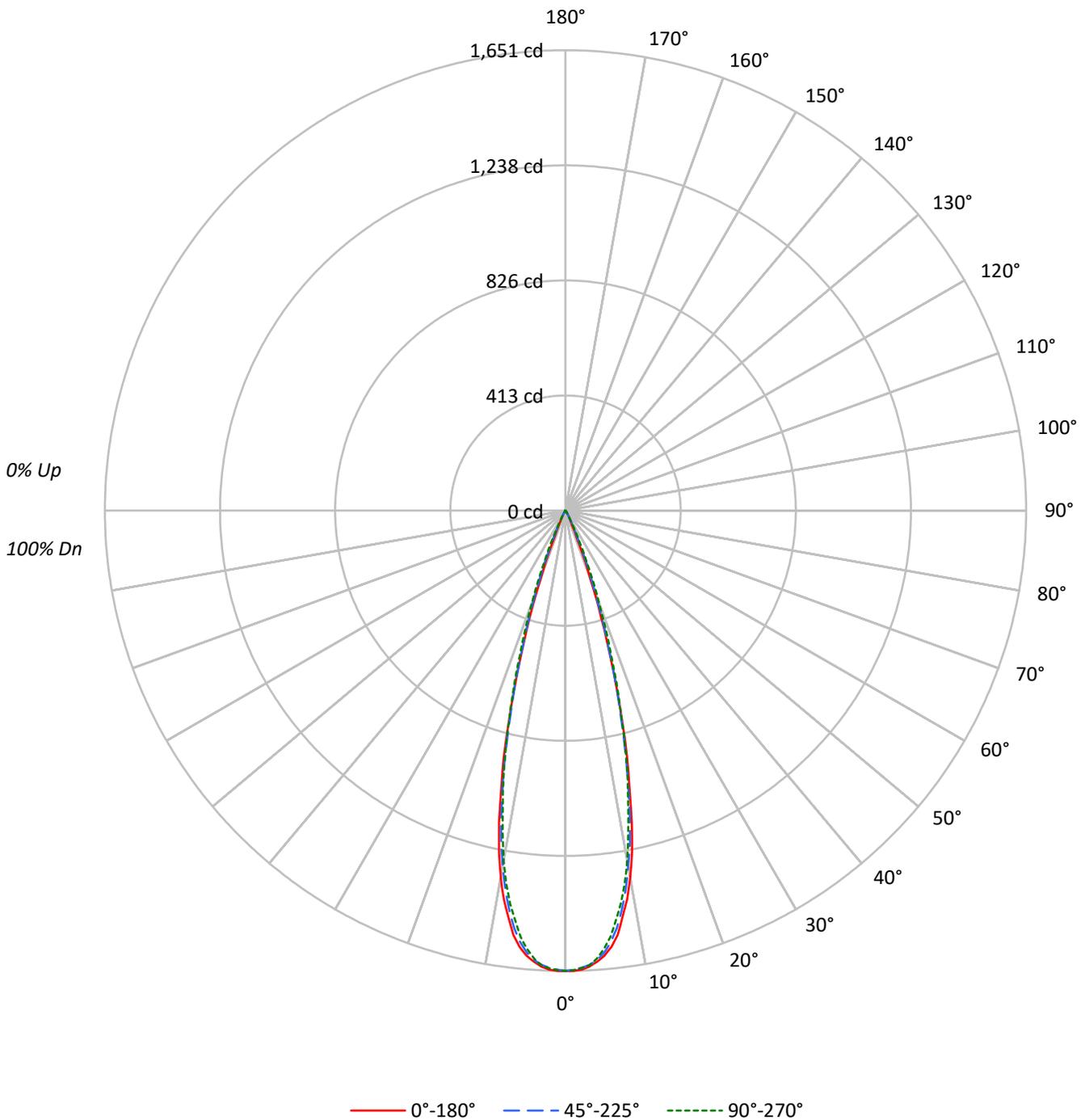
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 55.6 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): 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 | | | | 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° | 284305 | 284305 | 284305 |
| 5° | 276989 | 275087 | 272823 |
| 10° | 233761 | 226574 | 222901 |
| 15° | 140873 | 136933 | 139447 |
| 20° | 47780 | 55184 | 63652 |
| 25° | 8779 | 13758 | 16247 |
| 30° | 3023 | 3361 | 3778 |
| 35° | 862 | 1093 | 1156 |
| 40° | 225 | 382 | 315 |
| 45° | 73 | 73 | 73 |
| 50° | 80 | 0 | 80 |
| 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: 85 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 142.7 | 35.7 |
| 10°-20° | 208.6 | 52.2 |
| 20°-30° | 44.1 | 11.0 |
| 30°-40° | 4.1 | 1.0 |
| 40°-50° | 0.4 | 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° | 395.5 | 98.9 |
| 0°-40° | 399.6 | 99.9 |
| 0°-60° | 400.0 | 100.0 |
| 0°-90° | 400.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 400.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1651 | 1651 | 1651 | 1651 | 1651 | |
| 5° | 1602 | 1599 | 1591 | 1586 | 1578 | 145 |
| 15° | 790 | 787 | 768 | 786 | 782 | 208 |
| 25° | 46 | 52 | 72 | 85 | 86 | 34 |
| 35° | 4 | 5 | 5 | 6 | 6 | 3 |
| 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° | 1650.8 | 1650.8 | 1650.8 | 1650.8 | 1650.8 |
| 1° | 1651.2 | 1649.4 | 1647.0 | 1650.5 | 1648.1 |
| 2° | 1647.7 | 1643.6 | 1640.1 | 1643.6 | 1642.5 |
| 3° | 1637.4 | 1633.9 | 1631.5 | 1633.2 | 1633.2 |
| 4° | 1621.8 | 1618.1 | 1616.0 | 1616.3 | 1611.2 |
| 5° | 1602.2 | 1599.1 | 1591.2 | 1586.3 | 1578.1 |
| 6° | 1573.2 | 1565.6 | 1556.0 | 1548.0 | 1537.4 |
| 7° | 1533.9 | 1522.2 | 1508.4 | 1494.6 | 1481.1 |
| 8° | 1470.8 | 1465.3 | 1446.7 | 1437.4 | 1423.9 |
| 9° | 1411.5 | 1398.0 | 1378.0 | 1362.9 | 1355.6 |
| 10° | 1336.7 | 1316.7 | 1295.6 | 1283.5 | 1274.6 |
| 11° | 1248.0 | 1227.7 | 1210.8 | 1193.2 | 1179.4 |
| 12° | 1143.9 | 1126.6 | 1107.3 | 1095.6 | 1079.4 |
| 13° | 1020.4 | 1018.0 | 996.3 | 992.5 | 990.4 |
| 14° | 914.6 | 904.9 | 883.5 | 889.4 | 890.8 |
| 15° | 790.1 | 787.3 | 768.0 | 785.9 | 782.1 |
| 17.5° | 494.9 | 495.9 | 508.0 | 536.2 | 545.2 |
| 20° | 260.7 | 268.6 | 301.1 | 335.2 | 347.3 |
| 22.5° | 105.5 | 123.1 | 156.2 | 179.3 | 194.8 |
| 25° | 46.2 | 51.7 | 72.4 | 85.2 | 85.5 |
| 27.5° | 26.2 | 26.6 | 34.8 | 36.2 | 36.9 |
| 30° | 15.2 | 15.5 | 16.9 | 17.9 | 19.0 |
| 32.5° | 8.3 | 9.0 | 9.3 | 10.7 | 10.7 |
| 35° | 4.1 | 5.2 | 5.2 | 6.2 | 5.5 |
| 37.5° | 2.4 | 2.8 | 3.1 | 3.1 | 2.8 |
| 40° | 1.0 | 1.4 | 1.7 | 1.7 | 1.4 |
| 42.5° | 0.3 | 0.7 | 0.7 | 0.7 | 1.0 |
| 45° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 47.5° | 0.3 | 0.3 | 0.0 | 0.3 | 0.3 |
| 50° | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 |
| 52.5° | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 |
| 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)