

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: P1316800

Luminaire Tested: LDSQA3D17R559740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

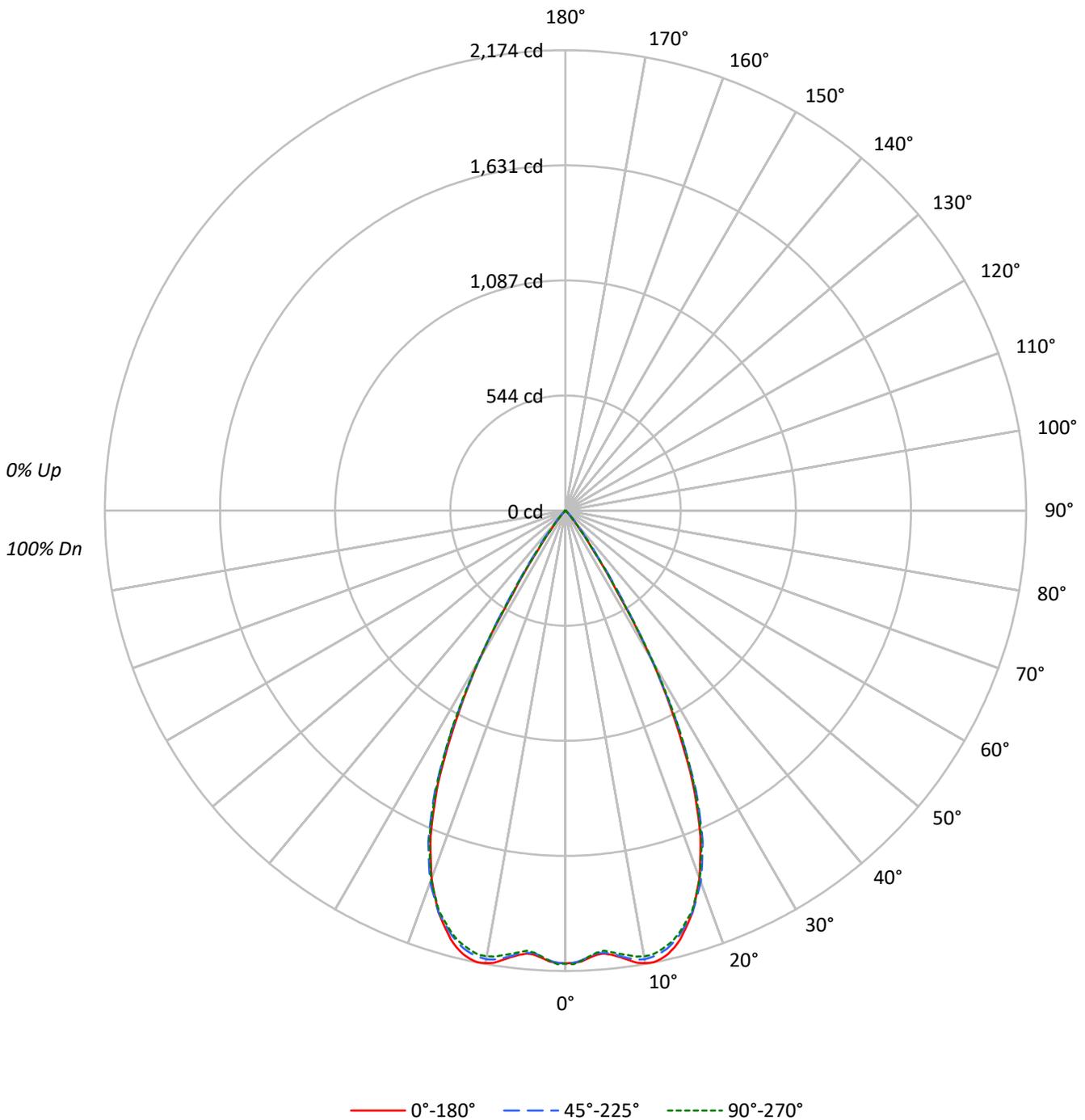
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1639.9 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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





TEST NUMBER: P1316800

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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 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 79 |
| 5 | 95 | 88 | 82 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 83 | 80 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 76 | 73 | 79 | 76 | 73 | 78 | 75 | 72 | 72 | 72 | 72 | 71 |
| 7 | 87 | 79 | 73 | 70 | 86 | 78 | 73 | 69 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 67 |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 65 | 65 | 65 | 63 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 61 | 61 | 61 | 60 |
| 10 | 77 | 68 | 62 | 59 | 76 | 67 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 65 | 61 | 58 | 58 | 58 | 58 | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 368315 | 368315 | 368315 |
| 5° | 363032 | 362392 | 360663 |
| 10° | 379453 | 376183 | 373787 |
| 15° | 373534 | 370200 | 368631 |
| 20° | 338711 | 342139 | 339610 |
| 25° | 270845 | 276527 | 273923 |
| 30° | 162433 | 162433 | 164422 |
| 35° | 46927 | 55589 | 48504 |
| 40° | 13467 | 18233 | 13467 |
| 45° | 3044 | 6990 | 3044 |
| 50° | 1340 | 2331 | 991 |
| 55° | 1111 | 1111 | 1111 |
| 60° | 1274 | 1274 | 1274 |
| 65° | 1019 | 1019 | 1019 |
| 70° | 1259 | 1259 | 1259 |
| 75° | 799 | 799 | 799 |
| 80° | 1190 | 1190 | 1190 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6990 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 202.8 | 12.4 |
| 10°-20° | 578.0 | 35.2 |
| 20°-30° | 636.8 | 38.8 |
| 30°-40° | 194.8 | 11.9 |
| 40°-50° | 19.3 | 1.2 |
| 50°-60° | 3.5 | 0.2 |
| 60°-70° | 2.8 | 0.2 |
| 70°-80° | 1.5 | 0.1 |
| 80°-90° | 0.5 | 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° | 1417.5 | 86.4 |
| 0°-40° | 1612.2 | 98.3 |
| 0°-60° | 1635.1 | 99.7 |
| 0°-90° | 1639.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1639.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2139 | 2139 | 2139 | 2139 | 2139 | |
| 5° | 2100 | 2100 | 2096 | 2090 | 2086 | 204 |
| 15° | 2095 | 2091 | 2076 | 2068 | 2068 | 581 |
| 25° | 1425 | 1439 | 1455 | 1469 | 1442 | 628 |
| 35° | 223 | 234 | 264 | 243 | 231 | 183 |
| 45° | 12 | 19 | 29 | 19 | 12 | 15 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 3 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316800

CATALOG NUMBER: LDSQA3D17R559740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2138.6 | 2138.6 | 2138.6 | 2138.6 | 2138.6 |
| 1° | 2136.1 | 2137.4 | 2136.1 | 2133.6 | 2142.3 |
| 2° | 2131.1 | 2129.9 | 2126.1 | 2124.9 | 2128.6 |
| 3° | 2114.9 | 2114.9 | 2109.9 | 2107.4 | 2108.7 |
| 4° | 2102.4 | 2102.4 | 2095.0 | 2092.5 | 2093.7 |
| 5° | 2099.9 | 2099.9 | 2096.2 | 2090.0 | 2086.2 |
| 6° | 2109.9 | 2112.4 | 2103.7 | 2097.5 | 2097.5 |
| 7° | 2124.9 | 2126.1 | 2119.9 | 2111.2 | 2108.7 |
| 8° | 2143.6 | 2144.8 | 2134.9 | 2124.9 | 2119.9 |
| 9° | 2162.3 | 2159.8 | 2146.1 | 2136.1 | 2132.4 |
| 10° | 2169.8 | 2168.5 | 2151.1 | 2141.1 | 2137.4 |
| 11° | 2173.5 | 2167.3 | 2147.3 | 2138.6 | 2137.4 |
| 12° | 2164.8 | 2159.8 | 2138.6 | 2129.9 | 2126.1 |
| 13° | 2149.8 | 2142.3 | 2124.9 | 2116.2 | 2111.2 |
| 14° | 2126.1 | 2118.6 | 2102.4 | 2092.5 | 2093.7 |
| 15° | 2095.0 | 2091.2 | 2076.3 | 2067.5 | 2067.5 |
| 17.5° | 1991.5 | 1994.0 | 1990.2 | 1986.5 | 1984.0 |
| 20° | 1848.1 | 1858.0 | 1866.8 | 1861.8 | 1853.0 |
| 22.5° | 1664.7 | 1682.2 | 1692.2 | 1694.7 | 1678.5 |
| 25° | 1425.3 | 1439.0 | 1455.2 | 1469.0 | 1441.5 |
| 27.5° | 1127.3 | 1139.8 | 1154.7 | 1163.4 | 1159.7 |
| 30° | 816.8 | 818.0 | 816.8 | 833.0 | 826.8 |
| 32.5° | 453.9 | 491.3 | 497.6 | 508.8 | 468.9 |
| 35° | 223.2 | 234.4 | 264.4 | 243.2 | 230.7 |
| 37.5° | 107.2 | 114.7 | 143.4 | 117.2 | 112.2 |
| 40° | 59.9 | 64.8 | 81.1 | 67.3 | 59.9 |
| 42.5° | 28.7 | 37.4 | 43.6 | 38.7 | 28.7 |
| 45° | 12.5 | 18.7 | 28.7 | 18.7 | 12.5 |
| 47.5° | 5.0 | 7.5 | 17.5 | 7.5 | 5.0 |
| 50° | 5.0 | 3.7 | 8.7 | 3.7 | 3.7 |
| 52.5° | 3.7 | 3.7 | 5.0 | 3.7 | 3.7 |
| 55° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 57.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 60° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 62.5° | 2.5 | 3.7 | 3.7 | 3.7 | 2.5 |
| 65° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 67.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 70° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 72.5° | 1.2 | 2.5 | 1.2 | 1.2 | 1.2 |
| 75° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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)