

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: P1308529

Luminaire Tested: LDSQA3D24R159027D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R159027D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

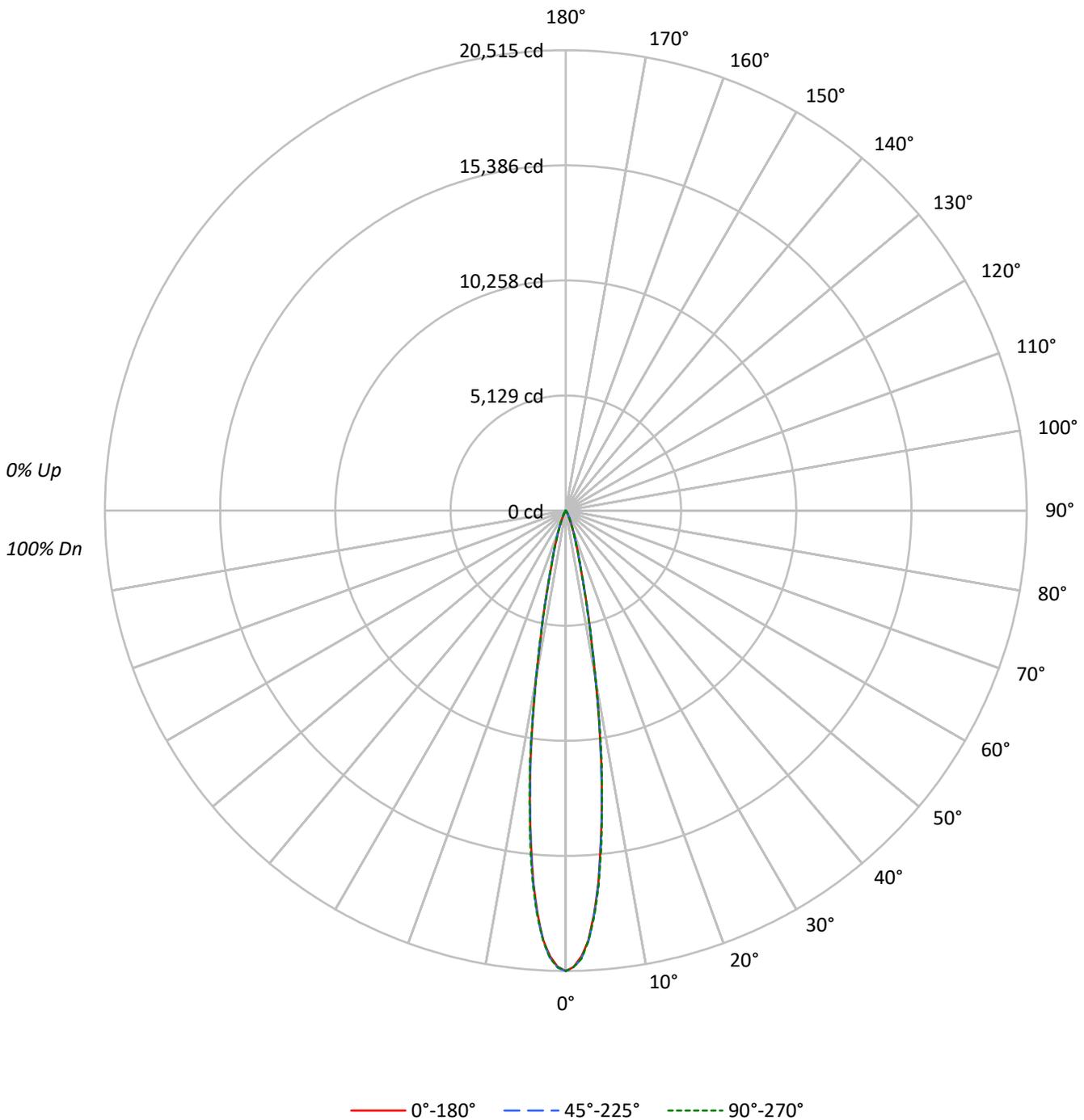
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 | | | | 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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 99 | 98 | 97 | 98 |
| 2 | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99 | 99 | 98 | 97 | 99 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99 | 102 | 100 | 98 | 100 | 98 | 96 | 98 | 96 | 95 | 98 | 96 | 95 | 94 |
| 4 | 107 | 102 | 99 | 97 | 106 | 101 | 98 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 5 | 105 | 100 | 96 | 94 | 103 | 99 | 96 | 93 | 97 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 91 | 95 | 93 | 91 | 90 |
| 6 | 102 | 97 | 94 | 91 | 101 | 97 | 93 | 91 | 95 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 88 |
| 7 | 100 | 95 | 92 | 89 | 99 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 89 | 88 | 92 | 89 | 88 | 87 |
| 8 | 98 | 93 | 90 | 87 | 98 | 93 | 89 | 87 | 92 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 90 | 88 | 86 | 85 |
| 9 | 97 | 91 | 88 | 86 | 96 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 87 | 85 | 89 | 86 | 85 | 89 | 86 | 85 | 84 |
| 10 | 95 | 89 | 86 | 84 | 94 | 89 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 84 | 87 | 85 | 83 | 87 | 85 | 83 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 3533079 | 3533079 | 3533079 |
| 5° | 2872894 | 2882886 | 2892896 |
| 10° | 1337950 | 1339209 | 1331934 |
| 15° | 413972 | 428807 | 420748 |
| 20° | 165040 | 174313 | 163060 |
| 25° | 69075 | 81445 | 65635 |
| 30° | 28040 | 37407 | 25892 |
| 35° | 9125 | 17114 | 8368 |
| 40° | 3260 | 6902 | 3260 |
| 45° | 1315 | 2192 | 1315 |
| 50° | 965 | 1447 | 965 |
| 55° | 1081 | 1081 | 1081 |
| 60° | 1240 | 1240 | 1240 |
| 65° | 734 | 734 | 734 |
| 70° | 906 | 906 | 906 |
| 75° | 1198 | 1198 | 1198 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2192 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1284.1 | 55.8 |
| 10°-20° | 767.8 | 33.3 |
| 20°-30° | 195.4 | 8.5 |
| 30°-40° | 42.4 | 1.8 |
| 40°-50° | 6.8 | 0.3 |
| 50°-60° | 3.3 | 0.1 |
| 60°-70° | 2.0 | 0.1 |
| 70°-80° | 1.2 | 0.1 |
| 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° | 2247.2 | 97.6 |
| 0°-40° | 2289.7 | 99.4 |
| 0°-60° | 2299.8 | 99.9 |
| 0°-90° | 2303.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2303.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 20515 | 20515 | 20515 | 20515 | 20515 | |
| 5° | 16618 | 16641 | 16676 | 16600 | 16734 | 1281 |
| 15° | 2322 | 2387 | 2405 | 2371 | 2360 | 764 |
| 25° | 364 | 389 | 429 | 380 | 345 | 185 |
| 35° | 43 | 56 | 81 | 54 | 40 | 34 |
| 45° | 5 | 7 | 9 | 7 | 5 | 5 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 2 | 2 | 2 | 2 | 2 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308529
 CATALOG NUMBER: LDSQA3D24R159027D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 20514.6 | 20514.6 | 20514.6 | 20514.6 | 20514.6 |
| 1° | 20335.5 | 20369.9 | 20375.3 | 20369.9 | 20341.0 |
| 2° | 19878.0 | 19979.3 | 19957.6 | 19914.2 | 19975.7 |
| 3° | 19171.0 | 19221.7 | 19214.4 | 19218.0 | 19203.6 |
| 4° | 18021.0 | 18109.6 | 18059.0 | 18096.9 | 18100.5 |
| 5° | 16617.8 | 16641.3 | 16675.6 | 16599.7 | 16733.5 |
| 6° | 14890.9 | 15041.0 | 14909.0 | 15039.2 | 15091.6 |
| 7° | 13135.1 | 13221.9 | 13053.7 | 13144.1 | 13198.4 |
| 8° | 11339.5 | 11187.6 | 11279.8 | 11281.6 | 11460.7 |
| 9° | 9401.1 | 9431.8 | 9509.6 | 9421.0 | 9498.7 |
| 10° | 7650.7 | 7721.2 | 7657.9 | 7627.2 | 7616.3 |
| 11° | 6041.4 | 6120.9 | 6115.5 | 6124.5 | 6064.9 |
| 12° | 4860.6 | 4819.0 | 4846.1 | 4757.5 | 4797.3 |
| 13° | 3782.9 | 3784.7 | 3763.0 | 3726.8 | 3694.2 |
| 14° | 2963.7 | 2945.6 | 2996.3 | 2951.1 | 2909.5 |
| 15° | 2321.8 | 2386.9 | 2405.0 | 2370.6 | 2359.8 |
| 17.5° | 1432.1 | 1433.9 | 1459.3 | 1426.7 | 1423.1 |
| 20° | 900.5 | 922.2 | 951.1 | 916.8 | 889.7 |
| 22.5° | 569.6 | 589.5 | 634.7 | 591.3 | 553.3 |
| 25° | 363.5 | 388.8 | 428.6 | 379.7 | 345.4 |
| 27.5° | 227.8 | 251.3 | 289.3 | 244.1 | 218.8 |
| 30° | 141.0 | 157.3 | 188.1 | 153.7 | 130.2 |
| 32.5° | 81.4 | 97.6 | 123.0 | 92.2 | 77.8 |
| 35° | 43.4 | 56.1 | 81.4 | 54.2 | 39.8 |
| 37.5° | 25.3 | 32.5 | 52.4 | 28.9 | 23.5 |
| 40° | 14.5 | 19.9 | 30.7 | 18.1 | 14.5 |
| 42.5° | 9.0 | 12.7 | 14.5 | 10.8 | 7.2 |
| 45° | 5.4 | 7.2 | 9.0 | 7.2 | 5.4 |
| 47.5° | 3.6 | 5.4 | 7.2 | 3.6 | 3.6 |
| 50° | 3.6 | 3.6 | 5.4 | 3.6 | 3.6 |
| 52.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 55° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 57.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 60° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 62.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 65° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 67.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 70° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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)