

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: P1309436

Luminaire Tested: LDSQA3D17R409030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309436
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: LDSQA3D17R409030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

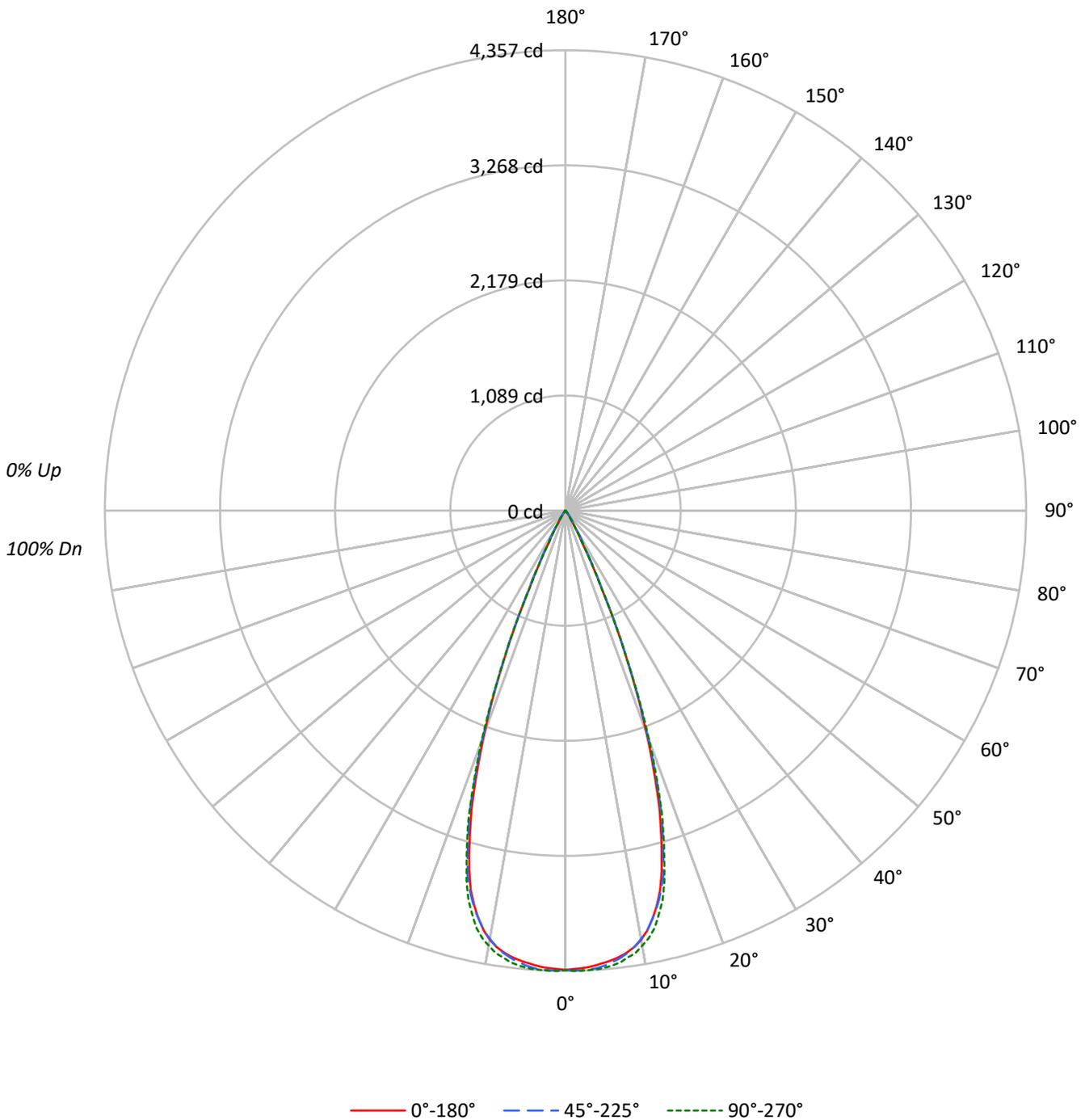
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1828.0 lumens
Efficiency: N/A
Efficacy: 86.2 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): 21.2
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 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 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 94 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 90 | 90 | 89 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 87 | 87 | 87 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 93 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 83 | 83 | 82 |
| 6 | 96 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 79 |
| 7 | 93 | 86 | 82 | 79 | 92 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 82 | 80 | 77 | 77 | 77 | 76 |
| 8 | 90 | 83 | 79 | 76 | 89 | 83 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 75 | 75 | 73 |
| 9 | 87 | 80 | 76 | 73 | 86 | 80 | 75 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 77 | 74 | 72 | 72 | 72 | 71 |
| 10 | 85 | 77 | 73 | 70 | 84 | 77 | 73 | 70 | 76 | 72 | 70 | 76 | 72 | 70 | 75 | 72 | 70 | 70 | 70 | 69 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 748652 | 748652 | 748652 |
| 5° | 742176 | 746844 | 750405 |
| 10° | 721045 | 719681 | 730944 |
| 15° | 627252 | 637362 | 645171 |
| 20° | 411673 | 419701 | 425126 |
| 25° | 146758 | 155328 | 146035 |
| 30° | 31997 | 43253 | 32256 |
| 35° | 10281 | 17871 | 10008 |
| 40° | 3192 | 5508 | 2900 |
| 45° | 317 | 1875 | 317 |
| 50° | 0 | 348 | 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: 1875 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 406.5 | 22.2 |
| 10°-20° | 946.7 | 51.8 |
| 20°-30° | 424.6 | 23.2 |
| 30°-40° | 45.9 | 2.5 |
| 40°-50° | 4.3 | 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° | 1777.9 | 97.3 |
| 0°-40° | 1823.7 | 99.8 |
| 0°-60° | 1828.0 | 100.0 |
| 0°-90° | 1828.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1828.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4347 | 4347 | 4347 | 4347 | 4347 | |
| 5° | 4293 | 4305 | 4320 | 4326 | 4341 | 405 |
| 15° | 3518 | 3544 | 3575 | 3595 | 3618 | 935 |
| 25° | 772 | 796 | 817 | 832 | 768 | 412 |
| 35° | 49 | 57 | 85 | 55 | 48 | 38 |
| 45° | 1 | 3 | 8 | 3 | 1 | 2 |
| 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° | 4347.0 | 4347.0 | 4347.0 | 4347.0 | 4347.0 |
| 1° | 4338.0 | 4347.0 | 4354.8 | 4348.3 | 4357.3 |
| 2° | 4334.2 | 4344.5 | 4356.0 | 4349.6 | 4357.3 |
| 3° | 4323.9 | 4336.7 | 4349.6 | 4345.7 | 4353.5 |
| 4° | 4309.7 | 4320.0 | 4339.3 | 4339.3 | 4350.9 |
| 5° | 4293.0 | 4304.6 | 4320.0 | 4326.4 | 4340.6 |
| 6° | 4274.9 | 4281.4 | 4293.0 | 4305.8 | 4325.2 |
| 7° | 4251.8 | 4251.8 | 4265.9 | 4278.8 | 4304.6 |
| 8° | 4219.6 | 4217.0 | 4227.3 | 4244.1 | 4267.2 |
| 9° | 4179.7 | 4170.7 | 4178.4 | 4202.9 | 4237.6 |
| 10° | 4123.1 | 4115.3 | 4115.3 | 4146.2 | 4179.7 |
| 11° | 4049.7 | 4047.1 | 4048.4 | 4078.0 | 4123.1 |
| 12° | 3950.6 | 3953.1 | 3953.1 | 3986.6 | 4042.0 |
| 13° | 3838.6 | 3837.3 | 3848.9 | 3886.2 | 3923.5 |
| 14° | 3702.1 | 3709.8 | 3721.4 | 3754.9 | 3793.5 |
| 15° | 3518.0 | 3543.8 | 3574.7 | 3595.3 | 3618.5 |
| 17.5° | 2958.1 | 2983.8 | 3026.3 | 3043.1 | 3048.2 |
| 20° | 2246.2 | 2283.6 | 2290.0 | 2323.5 | 2319.6 |
| 22.5° | 1506.1 | 1503.5 | 1508.7 | 1512.5 | 1513.8 |
| 25° | 772.3 | 795.5 | 817.4 | 831.6 | 768.5 |
| 27.5° | 336.0 | 375.9 | 404.2 | 366.9 | 339.8 |
| 30° | 160.9 | 182.8 | 217.5 | 184.1 | 162.2 |
| 32.5° | 87.5 | 101.7 | 137.7 | 100.4 | 86.2 |
| 35° | 48.9 | 56.6 | 85.0 | 55.4 | 47.6 |
| 37.5° | 28.3 | 30.9 | 46.3 | 30.9 | 27.0 |
| 40° | 14.2 | 18.0 | 24.5 | 18.0 | 12.9 |
| 42.5° | 5.1 | 9.0 | 12.9 | 9.0 | 5.1 |
| 45° | 1.3 | 2.6 | 7.7 | 2.6 | 1.3 |
| 47.5° | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 1.3 | 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)