

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: P1310346

Luminaire Tested: LDSQA3D13R259035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

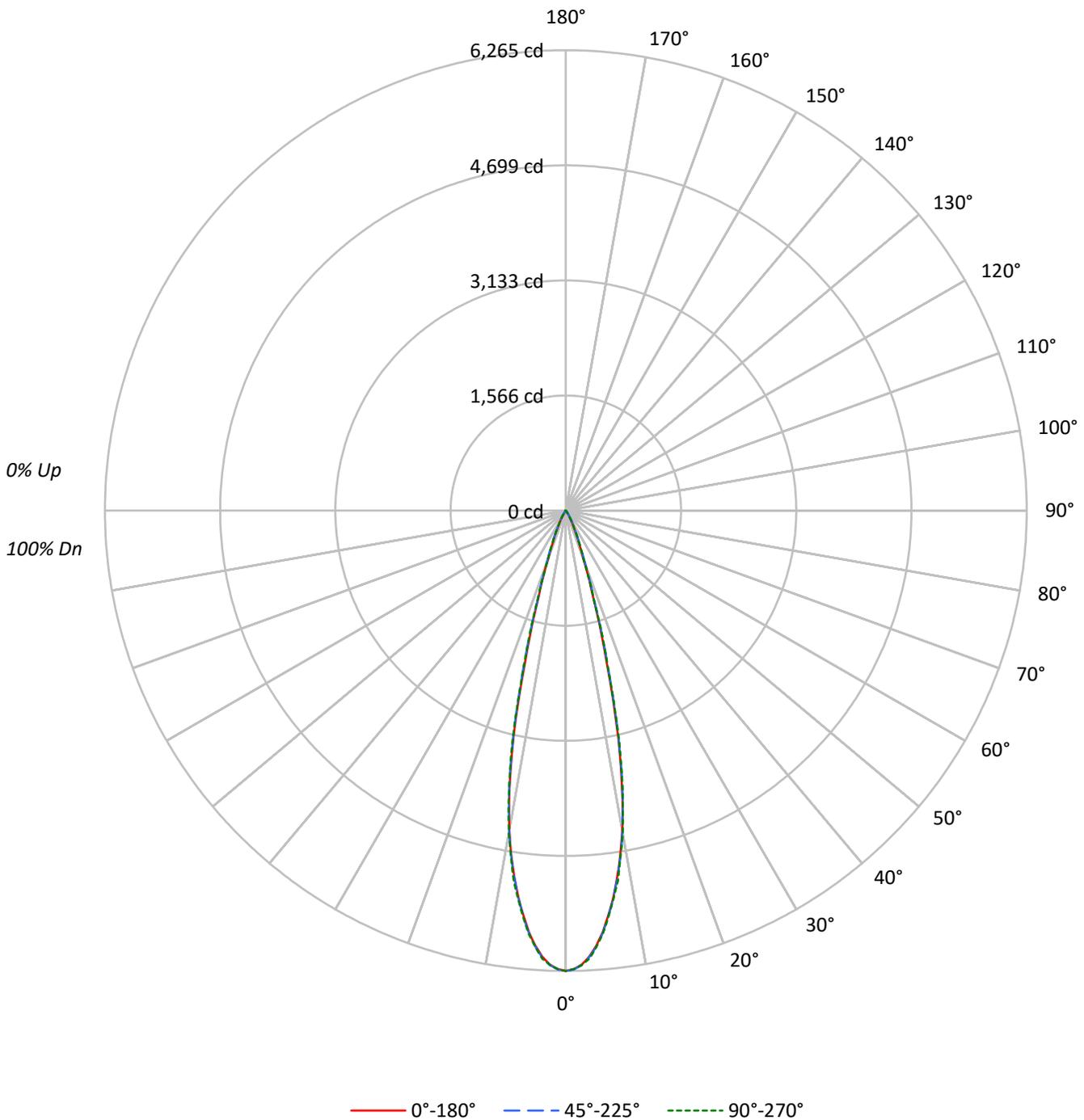
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1304.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1078906 | 1078906 | 1078906 |
| 5° | 994824 | 997071 | 999146 |
| 10° | 772425 | 775223 | 779420 |
| 15° | 381718 | 397765 | 397943 |
| 20° | 128531 | 137145 | 131097 |
| 25° | 53226 | 59117 | 54747 |
| 30° | 20881 | 26270 | 21080 |
| 35° | 5466 | 10722 | 5677 |
| 40° | 2023 | 4272 | 2023 |
| 45° | 244 | 1218 | 244 |
| 50° | 0 | 268 | 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: 1218 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 507.6 | 38.9 |
| 10°-20° | 614.0 | 47.1 |
| 20°-30° | 149.9 | 11.5 |
| 30°-40° | 29.1 | 2.2 |
| 40°-50° | 3.3 | 0.3 |
| 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° | 1271.5 | 97.5 |
| 0°-40° | 1300.7 | 99.7 |
| 0°-60° | 1304.0 | 100.0 |
| 0°-90° | 1304.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1304.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 6265 | 6265 | 6265 | 6265 | 6265 | |
| 5° | 5754 | 5762 | 5767 | 5792 | 5779 | 506 |
| 15° | 2141 | 2192 | 2231 | 2253 | 2232 | 603 |
| 25° | 280 | 295 | 311 | 298 | 288 | 143 |
| 35° | 26 | 37 | 51 | 37 | 27 | 23 |
| 45° | 1 | 3 | 5 | 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° | 6264.6 | 6264.6 | 6264.6 | 6264.6 | 6264.6 |
| 1° | 6240.6 | 6244.6 | 6245.6 | 6251.6 | 6239.6 |
| 2° | 6183.6 | 6184.6 | 6187.6 | 6199.6 | 6188.6 |
| 3° | 6078.6 | 6085.6 | 6086.6 | 6102.6 | 6105.6 |
| 4° | 5935.5 | 5939.5 | 5947.5 | 5974.5 | 5950.5 |
| 5° | 5754.4 | 5762.4 | 5767.4 | 5792.4 | 5779.4 |
| 6° | 5530.3 | 5532.3 | 5543.3 | 5572.3 | 5554.3 |
| 7° | 5302.2 | 5301.2 | 5302.2 | 5325.2 | 5320.2 |
| 8° | 5027.1 | 5022.1 | 5038.1 | 5066.1 | 5085.1 |
| 9° | 4740.0 | 4747.0 | 4757.0 | 4784.0 | 4762.0 |
| 10° | 4416.9 | 4435.9 | 4432.9 | 4434.9 | 4456.9 |
| 11° | 4044.7 | 4050.7 | 4051.7 | 4072.7 | 4069.7 |
| 12° | 3607.5 | 3607.5 | 3640.5 | 3674.5 | 3663.5 |
| 13° | 3166.3 | 3197.3 | 3175.3 | 3182.3 | 3226.4 |
| 14° | 2652.1 | 2676.1 | 2706.1 | 2734.1 | 2712.1 |
| 15° | 2140.9 | 2191.9 | 2230.9 | 2252.9 | 2231.9 |
| 17.5° | 1226.5 | 1243.5 | 1276.5 | 1280.5 | 1267.5 |
| 20° | 701.3 | 722.3 | 748.3 | 740.3 | 715.3 |
| 22.5° | 441.2 | 447.2 | 473.2 | 460.2 | 454.2 |
| 25° | 280.1 | 295.1 | 311.1 | 298.1 | 288.1 |
| 27.5° | 174.1 | 184.1 | 201.1 | 187.1 | 176.1 |
| 30° | 105.0 | 114.0 | 132.1 | 113.0 | 106.0 |
| 32.5° | 55.0 | 68.0 | 83.0 | 69.0 | 55.0 |
| 35° | 26.0 | 37.0 | 51.0 | 37.0 | 27.0 |
| 37.5° | 16.0 | 20.0 | 31.0 | 20.0 | 16.0 |
| 40° | 9.0 | 13.0 | 19.0 | 13.0 | 9.0 |
| 42.5° | 4.0 | 7.0 | 9.0 | 7.0 | 5.0 |
| 45° | 1.0 | 3.0 | 5.0 | 3.0 | 1.0 |
| 47.5° | 0.0 | 0.0 | 3.0 | 1.0 | 0.0 |
| 50° | 0.0 | 0.0 | 1.0 | 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)