

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: P1317726

Luminaire Tested: LDSQA3D20R159827D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159827D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

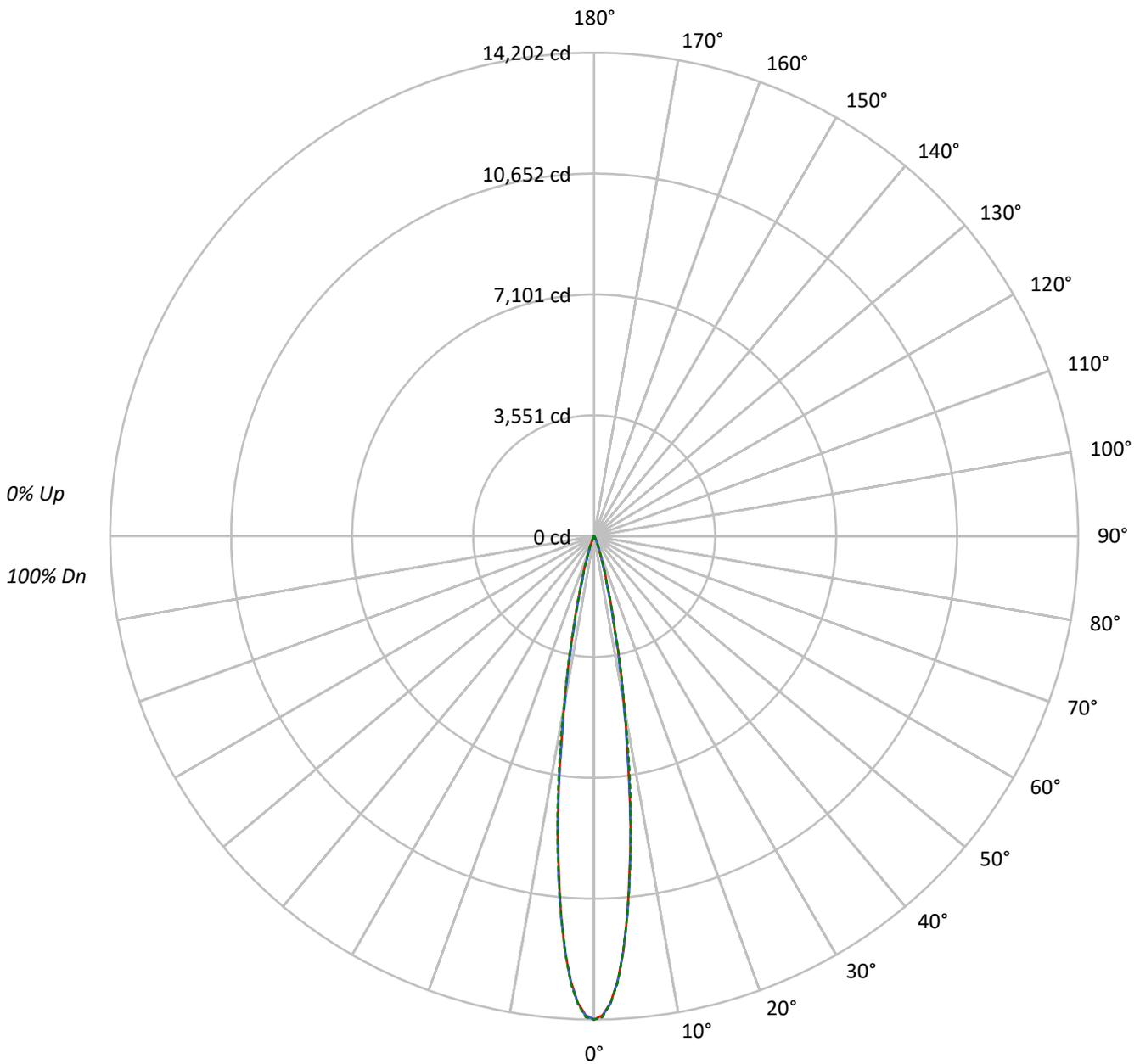
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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



— 0°-180° - - 45°-225° - · - · 90°-270°



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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 | | 0 |
| RCR | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | | 100 |
| 1 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 100 | 100 | | 98 |
| 2 | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 102 | 101 | 100 | 100 | 99 | 98 | | 97 |
| 3 | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99 | 101 | 99 | 97 | 99 | 97 | 96 | | 95 |
| 4 | 108 | 104 | 100 | 98 | 106 | 103 | 100 | 98 | 101 | 98 | 96 | 99 | 97 | 95 | 97 | 96 | 94 | | 93 |
| 5 | 106 | 101 | 98 | 95 | 104 | 100 | 97 | 95 | 99 | 96 | 94 | 97 | 95 | 94 | 96 | 94 | 93 | | 92 |
| 6 | 104 | 99 | 96 | 93 | 103 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 94 | 92 | 95 | 93 | 91 | | 91 |
| 7 | 102 | 97 | 94 | 91 | 101 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | | 89 |
| 8 | 100 | 95 | 92 | 90 | 99 | 95 | 92 | 90 | 94 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | | 88 |
| 9 | 98 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 90 | 88 | 92 | 89 | 88 | 91 | 89 | 87 | | 87 |
| 10 | 97 | 92 | 89 | 87 | 96 | 92 | 89 | 87 | 91 | 88 | 87 | 90 | 88 | 86 | 90 | 88 | 86 | | 86 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 2445820 | 2445820 | 2445820 |
| 5° | 1929260 | 1934429 | 1927548 |
| 10° | 882652 | 859515 | 901294 |
| 15° | 262437 | 234301 | 257106 |
| 20° | 77929 | 75583 | 81851 |
| 25° | 22157 | 28637 | 25673 |
| 30° | 7915 | 8492 | 7636 |
| 35° | 2985 | 2691 | 2691 |
| 40° | 1281 | 629 | 967 |
| 45° | 682 | 341 | 682 |
| 50° | 375 | 0 | 375 |
| 55° | 420 | 0 | 420 |
| 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: 47.5°

Luminance: 714 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 858.1 | 60.3 |
| 10°-20° | 476.4 | 33.5 |
| 20°-30° | 75.8 | 5.3 |
| 30°-40° | 9.9 | 0.7 |
| 40°-50° | 1.5 | 0.1 |
| 50°-60° | 0.3 | 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° | 1410.2 | 99.2 |
| 0°-40° | 1420.2 | 99.9 |
| 0°-60° | 1422.0 | 100.0 |
| 0°-90° | 1422.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1422.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0° | 14202 | 14202 | 14202 | 14202 | 14202 | |
| 5° | 11160 | 11253 | 11189 | 11142 | 11150 | 856 |
| 15° | 1472 | 1453 | 1314 | 1396 | 1442 | 486 |
| 25° | 117 | 131 | 151 | 150 | 135 | 71 |
| 35° | 14 | 14 | 13 | 14 | 13 | 11 |
| 45° | 3 | 2 | 1 | 1 | 3 | 3 |
| 55° | 1 | 0 | 0 | 0 | 1 | 1 |
| 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° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 | 14201.5 |
| 1° | 14079.2 | 14094.8 | 14114.7 | 14096.2 | 14079.2 | 14094.8 | 14073.5 | 14076.3 | 14059.2 | 14096.2 | 14137.5 |
| 2° | 13720.8 | 13740.7 | 13729.3 | 13703.7 | 13743.5 | 13746.4 | 13702.3 | 13681.0 | 13678.1 | 13715.1 | 13729.3 |
| 3° | 13086.5 | 13132.0 | 13133.4 | 13124.9 | 13112.1 | 13086.5 | 13041.0 | 13070.9 | 13029.6 | 13004.0 | 13149.1 |
| 4° | 12243.2 | 12283.0 | 12329.9 | 12298.6 | 12204.8 | 12213.3 | 12243.2 | 12142.2 | 12147.9 | 12206.2 | 12210.5 |
| 5° | 11159.5 | 11280.4 | 11286.1 | 11242.0 | 11168.0 | 11189.4 | 11168.0 | 11139.6 | 11149.6 | 11186.5 | 11149.6 |
| 6° | 9883.9 | 10020.4 | 9919.4 | 10016.1 | 9994.8 | 10021.8 | 10028.9 | 9999.0 | 10020.4 | 9997.6 | 9990.5 |
| 7° | 8781.7 | 8677.9 | 8692.1 | 8652.3 | 8694.9 | 8723.4 | 8740.5 | 8689.3 | 8730.5 | 8795.9 | 8814.4 |
| 8° | 7415.0 | 7385.2 | 7355.3 | 7426.4 | 7406.5 | 7440.6 | 7462.0 | 7518.8 | 7516.0 | 7535.9 | 7601.3 |
| 9° | 6113.8 | 6157.9 | 6184.9 | 6122.3 | 6176.3 | 6071.1 | 6108.1 | 6260.2 | 6220.4 | 6260.2 | 6376.9 |
| 10° | 5047.2 | 5082.7 | 5042.9 | 5041.5 | 4984.6 | 4914.9 | 4910.6 | 4967.5 | 5087.0 | 5180.8 | 5153.8 |
| 12.5° | 2784.5 | 2815.8 | 2820.1 | 2817.3 | 2714.9 | 2599.7 | 2621.0 | 2666.5 | 2740.5 | 2771.7 | 2822.9 |
| 15° | 1471.9 | 1470.5 | 1486.1 | 1442.0 | 1388.0 | 1314.1 | 1319.7 | 1382.3 | 1437.8 | 1452.0 | 1442.0 |
| 17.5° | 755.2 | 758.0 | 769.4 | 758.0 | 701.1 | 708.2 | 723.9 | 731.0 | 763.7 | 776.5 | 769.4 |
| 20° | 425.2 | 426.6 | 425.2 | 429.5 | 406.7 | 412.4 | 432.3 | 433.8 | 440.9 | 448.0 | 446.6 |
| 22.5° | 243.2 | 244.6 | 253.1 | 250.3 | 244.6 | 251.7 | 256.0 | 263.1 | 265.9 | 263.1 | 271.6 |
| 25° | 116.6 | 118.0 | 118.0 | 135.1 | 143.6 | 150.7 | 153.6 | 150.7 | 147.9 | 136.5 | 135.1 |
| 27.5° | 66.8 | 66.8 | 69.7 | 71.1 | 74.0 | 86.8 | 85.3 | 71.1 | 59.7 | 59.7 | 61.2 |
| 30° | 39.8 | 38.4 | 38.4 | 39.8 | 41.2 | 42.7 | 39.8 | 38.4 | 38.4 | 39.8 | 38.4 |
| 32.5° | 24.2 | 24.2 | 24.2 | 22.8 | 22.8 | 21.3 | 21.3 | 24.2 | 24.2 | 24.2 | 24.2 |
| 35° | 14.2 | 14.2 | 14.2 | 14.2 | 12.8 | 12.8 | 12.8 | 14.2 | 14.2 | 12.8 | 12.8 |
| 37.5° | 8.5 | 8.5 | 8.5 | 7.1 | 7.1 | 5.7 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 40° | 5.7 | 5.7 | 4.3 | 4.3 | 2.8 | 2.8 | 2.8 | 4.3 | 4.3 | 4.3 | 4.3 |
| 42.5° | 4.3 | 4.3 | 2.8 | 2.8 | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 | 2.8 | 2.8 |
| 45° | 2.8 | 2.8 | 2.8 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 |
| 47.5° | 2.8 | 2.8 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 |
| 50° | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 |
| 52.5° | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 |
| 55° | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)