

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: P1313961

Luminaire Tested: LDSQA3D20R259727D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313961
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: LDSQA3D20R259727D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

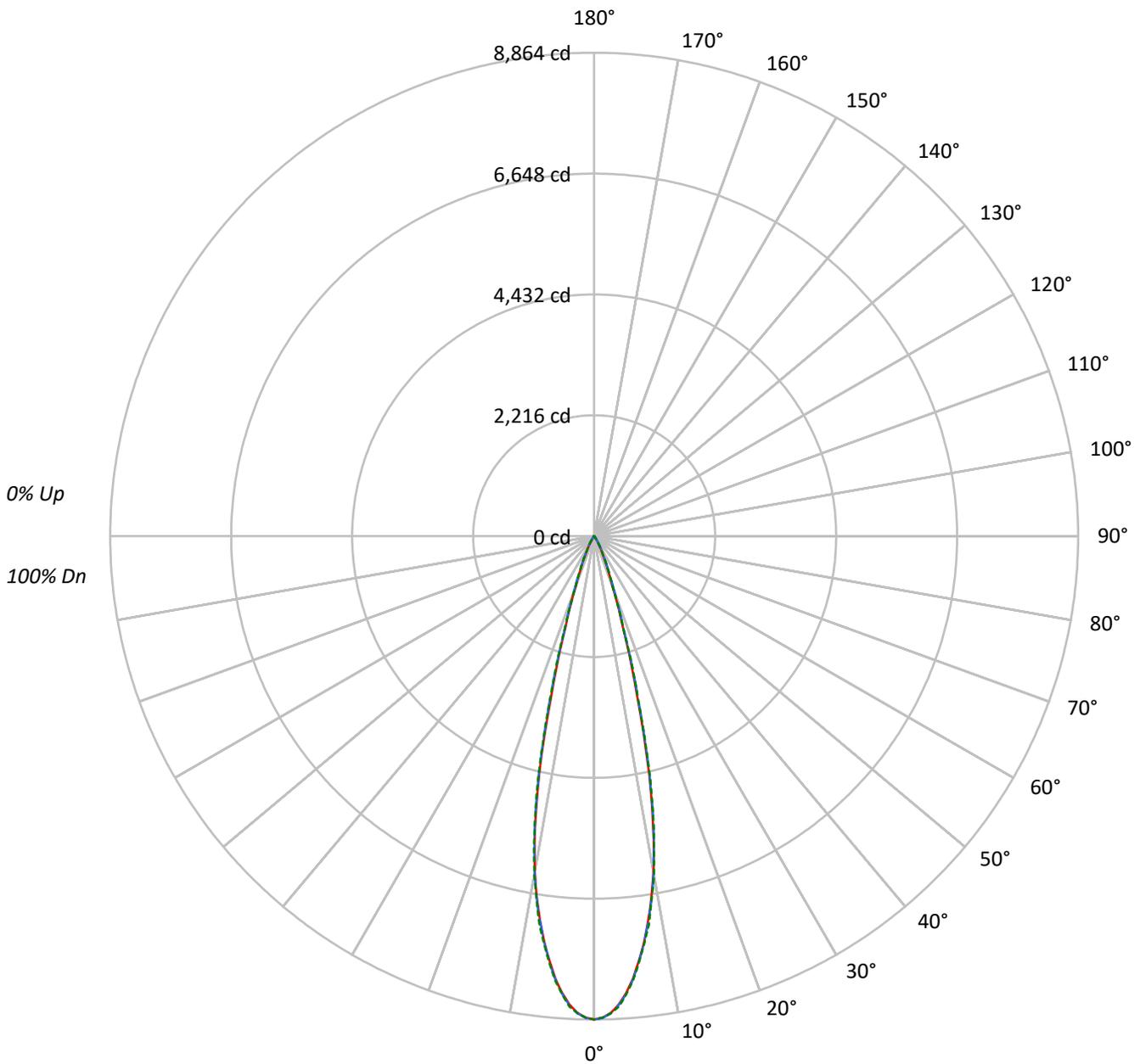
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1845.0 lumens
Efficiency: N/A
Efficacy: 64.1 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): 28.8
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



— 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 | 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 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 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 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1526530 | 1526530 | 1526530 |
| 5° | 1407558 | 1410739 | 1413678 |
| 10° | 1092874 | 1096844 | 1102772 |
| 15° | 540082 | 562798 | 563047 |
| 20° | 181846 | 194052 | 185493 |
| 25° | 75308 | 83650 | 77474 |
| 30° | 29551 | 37148 | 29830 |
| 35° | 7737 | 15180 | 8031 |
| 40° | 2855 | 6048 | 2855 |
| 45° | 341 | 1729 | 341 |
| 50° | 0 | 375 | 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: 1729 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 718.2 | 38.9 |
| 10°-20° | 868.7 | 47.1 |
| 20°-30° | 212.1 | 11.5 |
| 30°-40° | 41.2 | 2.2 |
| 40°-50° | 4.7 | 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° | 1799.1 | 97.5 |
| 0°-40° | 1840.3 | 99.7 |
| 0°-60° | 1845.0 | 100.0 |
| 0°-90° | 1845.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1845.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 8864 | 8864 | 8864 | 8864 | 8864 | |
| 5° | 8142 | 8153 | 8160 | 8196 | 8177 | 716 |
| 15° | 3029 | 3101 | 3156 | 3188 | 3158 | 853 |
| 25° | 396 | 418 | 440 | 422 | 408 | 202 |
| 35° | 37 | 52 | 72 | 52 | 38 | 33 |
| 45° | 1 | 4 | 7 | 4 | 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° | 8863.7 | 8863.7 | 8863.7 | 8863.7 | 8863.7 |
| 1° | 8829.7 | 8835.4 | 8836.8 | 8845.3 | 8828.3 |
| 2° | 8749.0 | 8750.4 | 8754.7 | 8771.7 | 8756.1 |
| 3° | 8600.4 | 8610.3 | 8611.7 | 8634.4 | 8638.6 |
| 4° | 8398.0 | 8403.7 | 8415.0 | 8453.2 | 8419.2 |
| 5° | 8141.8 | 8153.1 | 8160.2 | 8195.6 | 8177.2 |
| 6° | 7824.7 | 7827.6 | 7843.1 | 7884.2 | 7858.7 |
| 7° | 7502.0 | 7500.6 | 7502.0 | 7534.6 | 7527.5 |
| 8° | 7112.7 | 7105.7 | 7128.3 | 7167.9 | 7194.8 |
| 9° | 6706.5 | 6716.4 | 6730.6 | 6768.8 | 6737.6 |
| 10° | 6249.3 | 6276.2 | 6272.0 | 6274.8 | 6305.9 |
| 11° | 5722.7 | 5731.2 | 5732.7 | 5762.4 | 5758.1 |
| 12° | 5104.2 | 5104.2 | 5150.9 | 5199.0 | 5183.5 |
| 13° | 4480.0 | 4523.8 | 4492.7 | 4502.6 | 4564.9 |
| 14° | 3752.4 | 3786.4 | 3828.8 | 3868.5 | 3837.3 |
| 15° | 3029.1 | 3101.3 | 3156.5 | 3187.6 | 3157.9 |
| 17.5° | 1735.4 | 1759.4 | 1806.1 | 1811.8 | 1793.4 |
| 20° | 992.2 | 1022.0 | 1058.8 | 1047.4 | 1012.1 |
| 22.5° | 624.2 | 632.7 | 669.5 | 651.1 | 642.6 |
| 25° | 396.3 | 417.6 | 440.2 | 421.8 | 407.7 |
| 27.5° | 246.3 | 260.4 | 284.5 | 264.7 | 249.1 |
| 30° | 148.6 | 161.4 | 186.8 | 159.9 | 150.0 |
| 32.5° | 77.9 | 96.3 | 117.5 | 97.7 | 77.9 |
| 35° | 36.8 | 52.4 | 72.2 | 52.4 | 38.2 |
| 37.5° | 22.6 | 28.3 | 43.9 | 28.3 | 22.6 |
| 40° | 12.7 | 18.4 | 26.9 | 18.4 | 12.7 |
| 42.5° | 5.7 | 9.9 | 12.7 | 9.9 | 7.1 |
| 45° | 1.4 | 4.2 | 7.1 | 4.2 | 1.4 |
| 47.5° | 0.0 | 0.0 | 4.2 | 1.4 | 0.0 |
| 50° | 0.0 | 0.0 | 1.4 | 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)