

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: P1325271

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

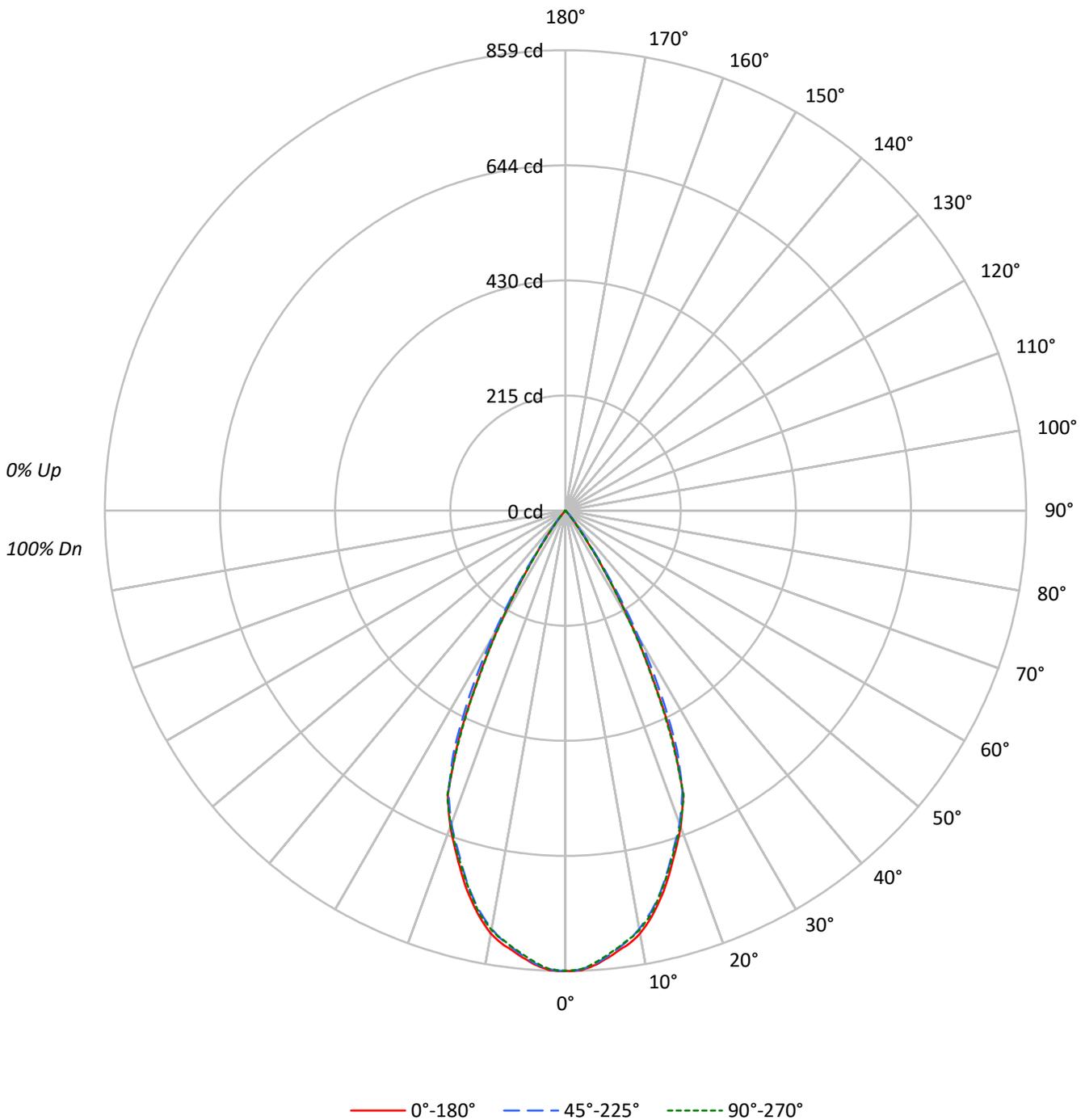
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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





TEST NUMBER: P1325271

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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 | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99 | 98 | 97 | 97 | 97 | 97 | 97 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 95 | 97 | 95 | 93 | 95 | 93 | 91 | 91 | 91 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 86 | 86 | 86 | 86 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 93 | 88 | 85 | 90 | 87 | 84 | 89 | 85 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 77 | 77 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 79 | 74 | 71 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 70 | 70 | 70 | 69 |
| 8 | 85 | 76 | 71 | 67 | 83 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 9 | 81 | 73 | 67 | 64 | 80 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 66 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 147905 | 147905 | 147905 |
| 5° | 145323 | 144908 | 144494 |
| 10° | 140148 | 138627 | 138907 |
| 15° | 128927 | 127305 | 127661 |
| 20° | 115115 | 114034 | 114694 |
| 25° | 89598 | 93360 | 88628 |
| 30° | 48543 | 54191 | 47668 |
| 35° | 15306 | 18207 | 14969 |
| 40° | 3372 | 4721 | 3192 |
| 45° | 97 | 1437 | 97 |
| 50° | 0 | 214 | 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: 1437 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.7 | 14.2 |
| 10°-20° | 199.9 | 36.1 |
| 20°-30° | 210.5 | 38.1 |
| 30°-40° | 60.1 | 10.9 |
| 40°-50° | 3.7 | 0.7 |
| 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° | 489.1 | 88.4 |
| 0°-40° | 549.3 | 99.3 |
| 0°-60° | 553.0 | 100.0 |
| 0°-90° | 553.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 553.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 859 | 859 | 859 | 859 | 859 | |
| 5° | 841 | 840 | 838 | 837 | 836 | 79 |
| 15° | 723 | 718 | 714 | 715 | 716 | 201 |
| 25° | 472 | 489 | 491 | 486 | 466 | 206 |
| 35° | 73 | 78 | 87 | 74 | 71 | 57 |
| 45° | 0 | 2 | 6 | 2 | 0 | 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° | 858.8 | 858.8 | 858.8 | 858.8 | 858.8 |
| 1° | 859.2 | 859.6 | 858.8 | 859.6 | 857.6 |
| 2° | 858.0 | 857.2 | 856.4 | 856.8 | 855.6 |
| 3° | 853.6 | 853.2 | 851.6 | 852.0 | 850.5 |
| 4° | 848.1 | 846.9 | 845.7 | 844.9 | 843.3 |
| 5° | 840.6 | 839.8 | 838.2 | 837.4 | 835.8 |
| 6° | 834.2 | 832.7 | 829.9 | 829.1 | 827.5 |
| 7° | 825.9 | 825.1 | 821.6 | 820.8 | 820.0 |
| 8° | 819.6 | 817.2 | 812.9 | 813.3 | 811.3 |
| 9° | 811.3 | 808.1 | 803.8 | 803.8 | 804.2 |
| 10° | 801.4 | 796.7 | 792.7 | 793.9 | 794.3 |
| 11° | 788.4 | 785.2 | 779.3 | 782.0 | 782.0 |
| 12° | 774.1 | 770.2 | 765.8 | 768.2 | 769.8 |
| 13° | 757.5 | 754.3 | 750.4 | 752.8 | 752.0 |
| 14° | 741.3 | 735.3 | 732.6 | 735.7 | 734.6 |
| 15° | 723.1 | 718.3 | 714.0 | 715.2 | 716.0 |
| 17.5° | 674.4 | 669.3 | 666.1 | 666.5 | 670.1 |
| 20° | 628.1 | 626.2 | 622.2 | 623.8 | 625.8 |
| 22.5° | 573.6 | 574.4 | 569.6 | 570.8 | 575.5 |
| 25° | 471.5 | 488.9 | 491.3 | 485.7 | 466.4 |
| 27.5° | 349.3 | 375.4 | 383.3 | 370.6 | 346.9 |
| 30° | 244.1 | 251.2 | 272.5 | 248.4 | 239.7 |
| 32.5° | 143.2 | 153.9 | 165.3 | 148.7 | 142.8 |
| 35° | 72.8 | 77.9 | 86.6 | 73.6 | 71.2 |
| 37.5° | 33.6 | 36.0 | 39.6 | 33.6 | 31.6 |
| 40° | 15.0 | 17.8 | 21.0 | 17.0 | 14.2 |
| 42.5° | 4.7 | 8.3 | 11.1 | 7.5 | 4.4 |
| 45° | 0.4 | 2.0 | 5.9 | 2.0 | 0.4 |
| 47.5° | 0.0 | 0.4 | 2.4 | 0.4 | 0.0 |
| 50° | 0.0 | 0.0 | 0.8 | 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)