

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: P1324658

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQPHRLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQPHRLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

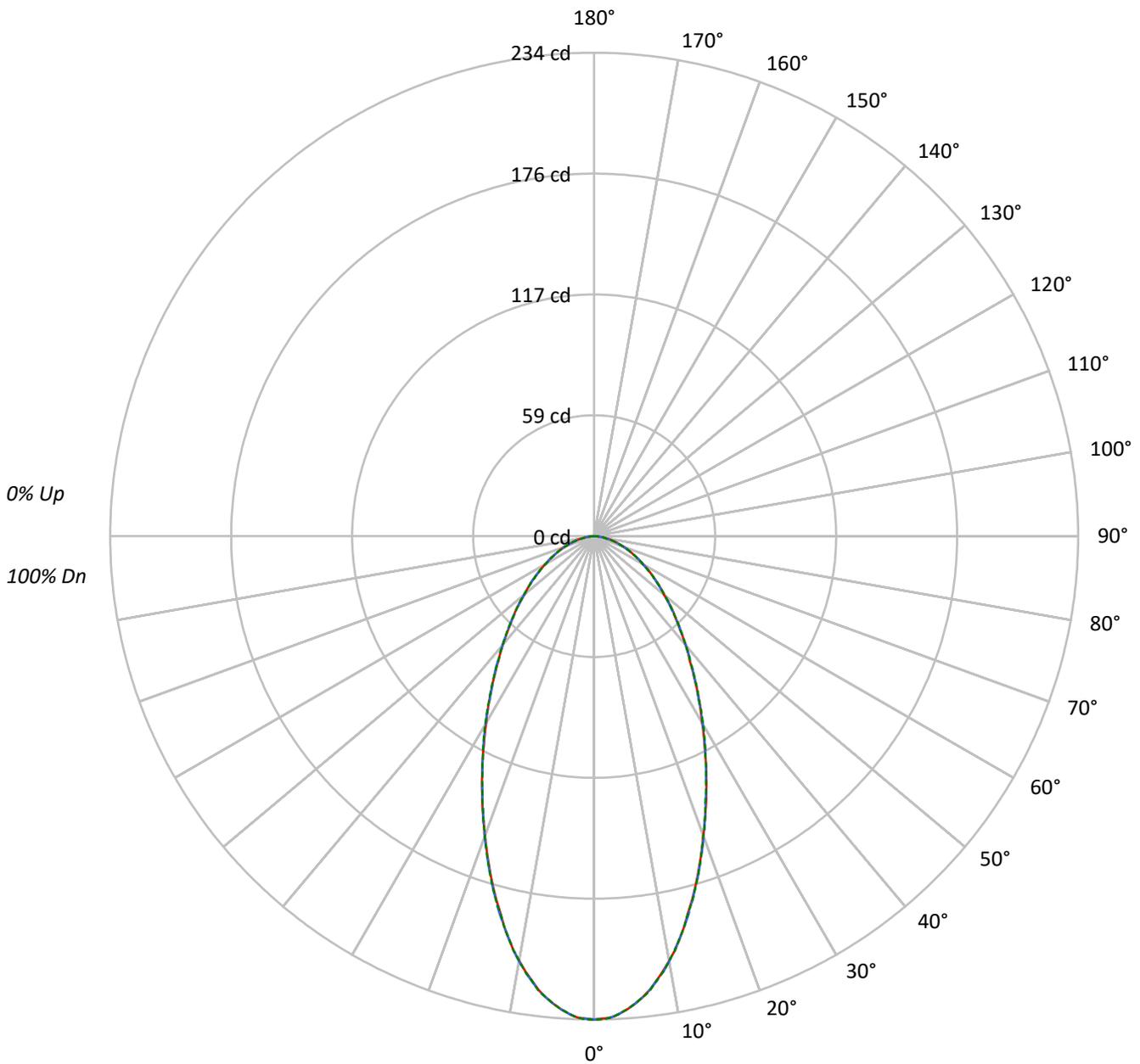
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



— 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 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 89 | 79 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 61 |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 64 | 58 | 69 | 62 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 55 |
| 6 | 77 | 66 | 58 | 53 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 55 | 51 | 49 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 40300 | 40300 | 40300 |
| 5° | 39278 | 39278 | 39278 |
| 10° | 36497 | 36567 | 36497 |
| 15° | 32557 | 32629 | 32629 |
| 20° | 28298 | 28371 | 28298 |
| 25° | 24380 | 24304 | 24304 |
| 30° | 20781 | 20881 | 20960 |
| 35° | 17829 | 17829 | 17913 |
| 40° | 15468 | 15468 | 15468 |
| 45° | 13518 | 13518 | 13518 |
| 50° | 11843 | 11843 | 11950 |
| 55° | 10629 | 10629 | 10629 |
| 60° | 9403 | 9403 | 9403 |
| 65° | 8517 | 8517 | 8517 |
| 70° | 7704 | 7503 | 7704 |
| 75° | 6987 | 6721 | 6721 |
| 80° | 5554 | 5554 | 5554 |
| 85° | 3952 | 3952 | 3952 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13518 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 21.1 | 7.2 |
| 10°-20° | 50.9 | 17.4 |
| 20°-30° | 58.9 | 20.1 |
| 30°-40° | 53.4 | 18.2 |
| 40°-50° | 43.0 | 14.7 |
| 50°-60° | 31.7 | 10.8 |
| 60°-70° | 20.8 | 7.1 |
| 70°-80° | 10.8 | 3.7 |
| 80°-90° | 2.4 | 0.8 |
| 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° | 130.9 | 44.7 |
| 0°-40° | 184.3 | 62.9 |
| 0°-60° | 259.0 | 88.4 |
| 0°-90° | 293.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 293.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 234 | 234 | 234 | 234 | 234 | |
| 5° | 227 | 228 | 227 | 227 | 227 | 21 |
| 15° | 183 | 183 | 183 | 183 | 183 | 51 |
| 25° | 128 | 128 | 128 | 128 | 128 | 59 |
| 35° | 85 | 85 | 85 | 85 | 85 | 53 |
| 45° | 56 | 56 | 56 | 56 | 56 | 43 |
| 55° | 35 | 35 | 35 | 35 | 35 | 32 |
| 65° | 21 | 21 | 21 | 21 | 21 | 21 |
| 75° | 10 | 10 | 10 | 10 | 10 | 11 |
| 85° | 2 | 2 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 234.0 | 234.0 | 234.0 | 234.0 | 234.0 |
| 1° | 233.6 | 234.4 | 233.6 | 233.6 | 234.0 |
| 2° | 233.2 | 233.6 | 233.2 | 233.2 | 233.2 |
| 3° | 231.6 | 232.4 | 231.6 | 231.6 | 231.6 |
| 4° | 229.6 | 230.4 | 229.6 | 229.6 | 229.6 |
| 5° | 227.2 | 228.0 | 227.2 | 227.2 | 227.2 |
| 6° | 224.4 | 224.8 | 224.4 | 224.4 | 224.4 |
| 7° | 221.2 | 221.6 | 221.2 | 221.2 | 221.6 |
| 8° | 217.1 | 217.5 | 217.5 | 217.1 | 217.1 |
| 9° | 213.1 | 213.5 | 213.5 | 213.1 | 213.5 |
| 10° | 208.7 | 209.1 | 209.1 | 208.7 | 208.7 |
| 11° | 204.3 | 204.7 | 203.9 | 203.9 | 204.3 |
| 12° | 199.0 | 199.4 | 199.0 | 199.0 | 199.0 |
| 13° | 193.8 | 193.8 | 193.8 | 193.8 | 193.8 |
| 14° | 187.8 | 188.6 | 188.6 | 188.2 | 187.8 |
| 15° | 182.6 | 183.0 | 183.0 | 182.6 | 183.0 |
| 17.5° | 168.5 | 169.3 | 168.9 | 168.9 | 168.9 |
| 20° | 154.4 | 154.8 | 154.8 | 154.4 | 154.4 |
| 22.5° | 141.1 | 140.7 | 140.7 | 140.7 | 140.7 |
| 25° | 128.3 | 127.9 | 127.9 | 128.3 | 127.9 |
| 27.5° | 115.8 | 116.2 | 116.2 | 115.8 | 116.2 |
| 30° | 104.5 | 104.5 | 105.0 | 104.5 | 105.4 |
| 32.5° | 94.5 | 94.5 | 94.1 | 94.5 | 94.5 |
| 35° | 84.8 | 84.8 | 84.8 | 84.8 | 85.2 |
| 37.5° | 76.0 | 76.4 | 76.8 | 76.8 | 76.4 |
| 40° | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| 42.5° | 61.5 | 61.5 | 61.9 | 61.9 | 61.9 |
| 45° | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 47.5° | 49.9 | 49.9 | 49.5 | 49.5 | 49.9 |
| 50° | 44.2 | 44.6 | 44.2 | 44.2 | 44.6 |
| 52.5° | 39.8 | 39.4 | 39.4 | 39.8 | 39.8 |
| 55° | 35.4 | 35.4 | 35.4 | 35.0 | 35.4 |
| 57.5° | 31.4 | 31.4 | 31.0 | 31.0 | 31.0 |
| 60° | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| 62.5° | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| 65° | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |
| 67.5° | 18.1 | 18.1 | 18.1 | 18.1 | 17.7 |
| 70° | 15.3 | 15.3 | 14.9 | 14.9 | 15.3 |
| 72.5° | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| 75° | 10.5 | 10.1 | 10.1 | 10.1 | 10.1 |
| 77.5° | 8.0 | 8.0 | 7.6 | 8.0 | 7.6 |
| 80° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 |
| 82.5° | 4.0 | 3.6 | 3.6 | 3.6 | 3.6 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 |



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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)