

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: P1325034

Luminaire Tested: LDSQA3D05R35W2N902765DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902765DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

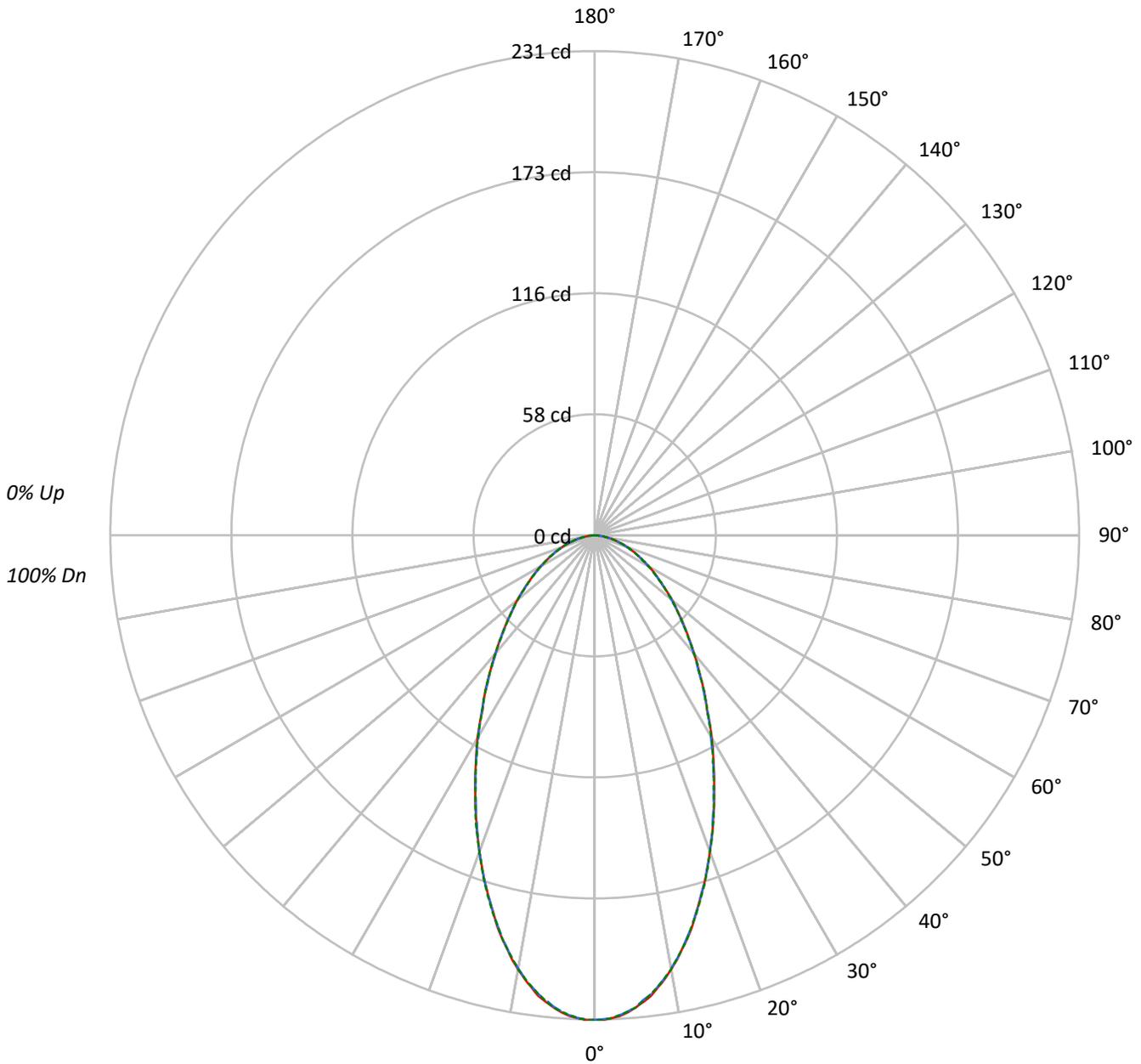
Lumens per Lamp: N/A
Luminaire Lumens: 309.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 88 | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 84 | 81 | 79 | 77 | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 64 | 75 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 | | |
| 6 | 77 | 65 | 58 | 52 | 75 | 65 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | |
| 7 | 72 | 60 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 46 | 44 | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 37 | | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 35 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 39835 | 39835 | 39835 |
| 5° | 39088 | 39019 | 39088 |
| 10° | 36760 | 36690 | 36760 |
| 15° | 33270 | 33270 | 33342 |
| 20° | 29452 | 29452 | 29452 |
| 25° | 25616 | 25540 | 25540 |
| 30° | 22213 | 22054 | 22134 |
| 35° | 19111 | 19027 | 19111 |
| 40° | 16592 | 16502 | 16592 |
| 45° | 14565 | 14467 | 14467 |
| 50° | 12941 | 12834 | 12834 |
| 55° | 11380 | 11380 | 11380 |
| 60° | 10299 | 10161 | 10299 |
| 65° | 9251 | 9251 | 9251 |
| 70° | 8258 | 8258 | 8258 |
| 75° | 7453 | 7187 | 7453 |
| 80° | 6347 | 6347 | 6347 |
| 85° | 3952 | 3952 | 3952 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14565 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 21.0 | 6.8 |
| 10°-20° | 52.1 | 16.8 |
| 20°-30° | 61.9 | 20.0 |
| 30°-40° | 56.9 | 18.4 |
| 40°-50° | 46.2 | 14.9 |
| 50°-60° | 34.2 | 11.1 |
| 60°-70° | 22.5 | 7.3 |
| 70°-80° | 11.7 | 3.8 |
| 80°-90° | 2.6 | 0.9 |
| 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° | 135.0 | 43.7 |
| 0°-40° | 191.8 | 62.1 |
| 0°-60° | 272.1 | 88.1 |
| 0°-90° | 309.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 309.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 231 | 231 | 231 | 231 | 231 | |
| 5° | 226 | 226 | 226 | 226 | 226 | 21 |
| 15° | 187 | 187 | 187 | 187 | 187 | 52 |
| 25° | 135 | 134 | 134 | 135 | 134 | 62 |
| 35° | 91 | 90 | 90 | 91 | 91 | 57 |
| 45° | 60 | 59 | 59 | 59 | 59 | 46 |
| 55° | 38 | 38 | 38 | 38 | 38 | 34 |
| 65° | 23 | 23 | 23 | 23 | 23 | 23 |
| 75° | 11 | 11 | 11 | 11 | 11 | 12 |
| 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° | 231.3 | 231.3 | 231.3 | 231.3 | 231.3 |
| 1° | 231.3 | 230.9 | 230.9 | 230.9 | 231.3 |
| 2° | 230.5 | 230.5 | 230.5 | 230.5 | 230.5 |
| 3° | 229.7 | 229.3 | 229.3 | 229.3 | 229.3 |
| 4° | 228.1 | 227.7 | 227.7 | 227.7 | 227.7 |
| 5° | 226.1 | 225.7 | 225.7 | 225.7 | 226.1 |
| 6° | 223.7 | 223.3 | 222.9 | 222.9 | 223.3 |
| 7° | 221.3 | 220.5 | 220.5 | 220.5 | 220.5 |
| 8° | 217.7 | 217.3 | 217.3 | 217.3 | 217.3 |
| 9° | 214.2 | 213.4 | 213.8 | 213.8 | 213.8 |
| 10° | 210.2 | 209.8 | 209.8 | 209.8 | 210.2 |
| 11° | 206.2 | 205.8 | 205.8 | 205.4 | 205.8 |
| 12° | 201.4 | 201.4 | 201.4 | 201.4 | 201.4 |
| 13° | 197.0 | 196.6 | 196.6 | 196.6 | 197.0 |
| 14° | 192.2 | 191.8 | 191.8 | 191.8 | 191.8 |
| 15° | 186.6 | 186.6 | 186.6 | 186.6 | 187.0 |
| 17.5° | 173.9 | 173.5 | 173.9 | 173.9 | 174.3 |
| 20° | 160.7 | 160.3 | 160.7 | 160.7 | 160.7 |
| 22.5° | 147.6 | 147.6 | 147.2 | 147.6 | 148.0 |
| 25° | 134.8 | 134.4 | 134.4 | 134.8 | 134.4 |
| 27.5° | 122.8 | 122.4 | 122.4 | 122.4 | 122.4 |
| 30° | 111.7 | 110.9 | 110.9 | 111.3 | 111.3 |
| 32.5° | 100.1 | 100.1 | 100.5 | 100.1 | 100.1 |
| 35° | 90.9 | 90.5 | 90.5 | 90.9 | 90.9 |
| 37.5° | 81.8 | 81.4 | 81.4 | 81.8 | 81.8 |
| 40° | 73.8 | 73.8 | 73.4 | 73.8 | 73.8 |
| 42.5° | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 45° | 59.8 | 59.4 | 59.4 | 59.4 | 59.4 |
| 47.5° | 53.4 | 53.4 | 53.4 | 53.0 | 53.4 |
| 50° | 48.3 | 47.9 | 47.9 | 47.9 | 47.9 |
| 52.5° | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| 55° | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 |
| 57.5° | 33.9 | 33.5 | 33.5 | 33.5 | 33.5 |
| 60° | 29.9 | 29.9 | 29.5 | 29.9 | 29.9 |
| 62.5° | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 |
| 65° | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| 67.5° | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 70° | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 72.5° | 14.0 | 13.6 | 13.6 | 13.6 | 13.6 |
| 75° | 11.2 | 11.2 | 10.8 | 11.2 | 11.2 |
| 77.5° | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 80° | 6.4 | 6.4 | 6.4 | 6.0 | 6.4 |
| 82.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.8 | 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)