

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: P1318802

Luminaire Tested: LDSQA3D02R309835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

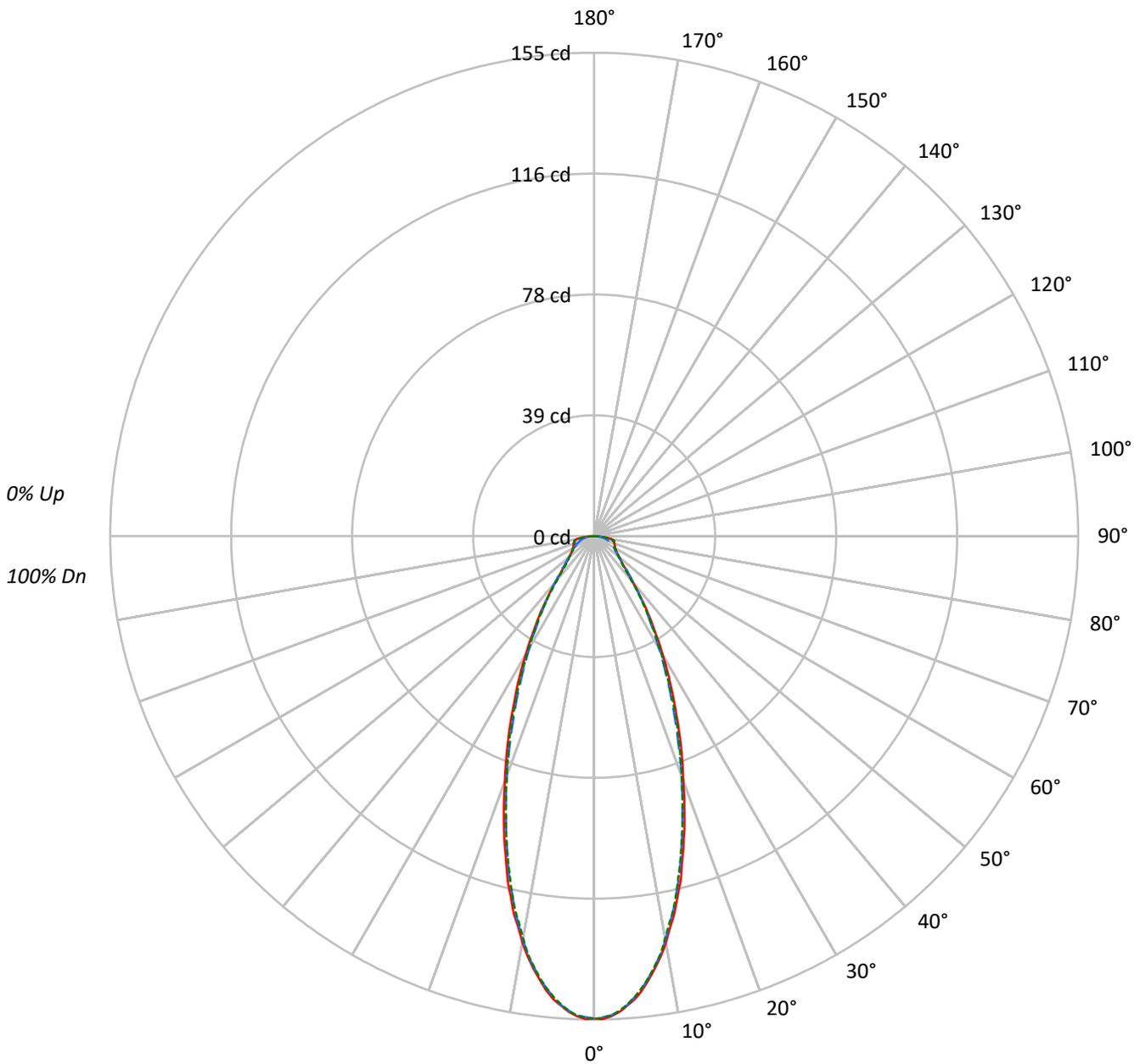
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 122.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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 | 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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 81 | 81 | 81 | 79 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 83 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 72 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 67 | 67 | 67 | 66 |
| 5 | 86 | 76 | 70 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 61 |
| 6 | 82 | 71 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 59 | 67 | 62 | 58 | 66 | 61 | 58 | 58 | 58 | 58 | 56 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 62 | 58 | 54 | 54 | 54 | 54 | 52 |
| 8 | 74 | 63 | 56 | 51 | 72 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 51 | 51 | 51 | 49 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 46 |
| 10 | 67 | 56 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 53 | 48 | 45 | 45 | 45 | 45 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 26643 | 26643 | 26643 |
| 5° | 25776 | 25655 | 25655 |
| 10° | 23137 | 22997 | 22909 |
| 15° | 19381 | 19096 | 19060 |
| 20° | 15304 | 14992 | 14992 |
| 25° | 11725 | 11250 | 11478 |
| 30° | 8690 | 8253 | 8432 |
| 35° | 6286 | 6013 | 6055 |
| 40° | 4317 | 4406 | 4204 |
| 45° | 3239 | 3361 | 3093 |
| 50° | 2813 | 2760 | 2760 |
| 55° | 2642 | 2522 | 2582 |
| 60° | 2687 | 2514 | 2652 |
| 65° | 2975 | 2527 | 2893 |
| 70° | 3474 | 2518 | 3374 |
| 75° | 4458 | 2728 | 4325 |
| 80° | 5554 | 2975 | 5157 |
| 85° | 4347 | 2964 | 4150 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5554 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 13.6 | 11.2 |
| 10°-20° | 29.7 | 24.3 |
| 20°-30° | 27.6 | 22.7 |
| 30°-40° | 18.3 | 15.0 |
| 40°-50° | 10.7 | 8.8 |
| 50°-60° | 7.8 | 6.4 |
| 60°-70° | 6.6 | 5.4 |
| 70°-80° | 5.4 | 4.5 |
| 80°-90° | 2.3 | 1.9 |
| 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° | 70.9 | 58.2 |
| 0°-40° | 89.3 | 73.2 |
| 0°-60° | 107.7 | 88.3 |
| 0°-90° | 122.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 122.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 155 | 155 | 155 | 155 | 155 | |
| 5° | 149 | 149 | 148 | 148 | 148 | 14 |
| 15° | 109 | 108 | 107 | 107 | 107 | 30 |
| 25° | 62 | 60 | 59 | 59 | 60 | 28 |
| 35° | 30 | 29 | 29 | 29 | 29 | 19 |
| 45° | 13 | 14 | 14 | 13 | 13 | 11 |
| 55° | 9 | 9 | 8 | 9 | 9 | 8 |
| 65° | 7 | 6 | 6 | 6 | 7 | 7 |
| 75° | 7 | 5 | 4 | 5 | 6 | 7 |
| 85° | 2 | 3 | 2 | 2 | 2 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318802

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 154.7 | 154.7 | 154.7 | 154.7 | 154.7 |
| 1° | 154.9 | 154.7 | 154.3 | 154.5 | 154.5 |
| 2° | 154.1 | 154.0 | 153.8 | 153.8 | 153.8 |
| 3° | 152.8 | 152.7 | 152.5 | 152.5 | 152.5 |
| 4° | 151.0 | 150.8 | 150.8 | 150.6 | 150.6 |
| 5° | 149.1 | 148.9 | 148.4 | 148.4 | 148.4 |
| 6° | 146.5 | 146.3 | 145.9 | 145.7 | 145.7 |
| 7° | 143.3 | 143.3 | 142.8 | 142.6 | 142.8 |
| 8° | 139.9 | 139.8 | 139.4 | 139.2 | 139.2 |
| 9° | 136.4 | 135.8 | 135.8 | 135.3 | 135.7 |
| 10° | 132.3 | 131.9 | 131.5 | 131.2 | 131.0 |
| 11° | 127.6 | 127.4 | 126.9 | 126.5 | 126.3 |
| 12° | 123.7 | 122.8 | 122.4 | 121.8 | 122.2 |
| 13° | 118.6 | 118.1 | 117.2 | 117.0 | 117.2 |
| 14° | 114.3 | 113.2 | 112.5 | 112.1 | 111.9 |
| 15° | 108.7 | 107.6 | 107.1 | 106.9 | 106.9 |
| 17.5° | 96.2 | 95.5 | 94.0 | 94.0 | 94.0 |
| 20° | 83.5 | 82.8 | 81.8 | 81.7 | 81.8 |
| 22.5° | 72.5 | 71.2 | 69.7 | 69.9 | 71.0 |
| 25° | 61.7 | 60.5 | 59.2 | 59.4 | 60.4 |
| 27.5° | 52.5 | 51.0 | 49.7 | 50.1 | 50.6 |
| 30° | 43.7 | 42.8 | 41.5 | 41.9 | 42.4 |
| 32.5° | 36.2 | 35.7 | 34.2 | 34.6 | 35.1 |
| 35° | 29.9 | 29.3 | 28.6 | 28.8 | 28.8 |
| 37.5° | 23.9 | 23.9 | 23.7 | 23.5 | 23.4 |
| 40° | 19.2 | 19.6 | 19.6 | 19.1 | 18.7 |
| 42.5° | 15.7 | 16.1 | 16.4 | 15.7 | 15.1 |
| 45° | 13.3 | 13.5 | 13.8 | 13.1 | 12.7 |
| 47.5° | 11.6 | 11.6 | 12.0 | 11.4 | 11.2 |
| 50° | 10.5 | 10.5 | 10.3 | 10.1 | 10.3 |
| 52.5° | 9.5 | 9.3 | 9.2 | 9.3 | 9.3 |
| 55° | 8.8 | 8.6 | 8.4 | 8.6 | 8.6 |
| 57.5° | 8.2 | 8.0 | 7.8 | 7.8 | 8.0 |
| 60° | 7.8 | 7.5 | 7.3 | 7.5 | 7.7 |
| 62.5° | 7.5 | 6.9 | 6.7 | 6.9 | 7.3 |
| 65° | 7.3 | 6.5 | 6.2 | 6.5 | 7.1 |
| 67.5° | 7.1 | 6.2 | 5.6 | 6.2 | 6.9 |
| 70° | 6.9 | 5.8 | 5.0 | 5.8 | 6.7 |
| 72.5° | 6.7 | 5.4 | 4.7 | 5.4 | 6.7 |
| 75° | 6.7 | 5.0 | 4.1 | 5.0 | 6.5 |
| 77.5° | 6.4 | 4.7 | 3.6 | 4.7 | 6.2 |
| 80° | 5.6 | 4.3 | 3.0 | 4.1 | 5.2 |
| 82.5° | 4.1 | 3.7 | 2.2 | 3.6 | 3.9 |
| 85° | 2.2 | 2.6 | 1.5 | 2.4 | 2.1 |
| 87.5° | 0.4 | 0.6 | 0.4 | 1.1 | 0.7 |



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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)