

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: P1307466

Luminaire Tested: LDSQA3D20R309024D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309024D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

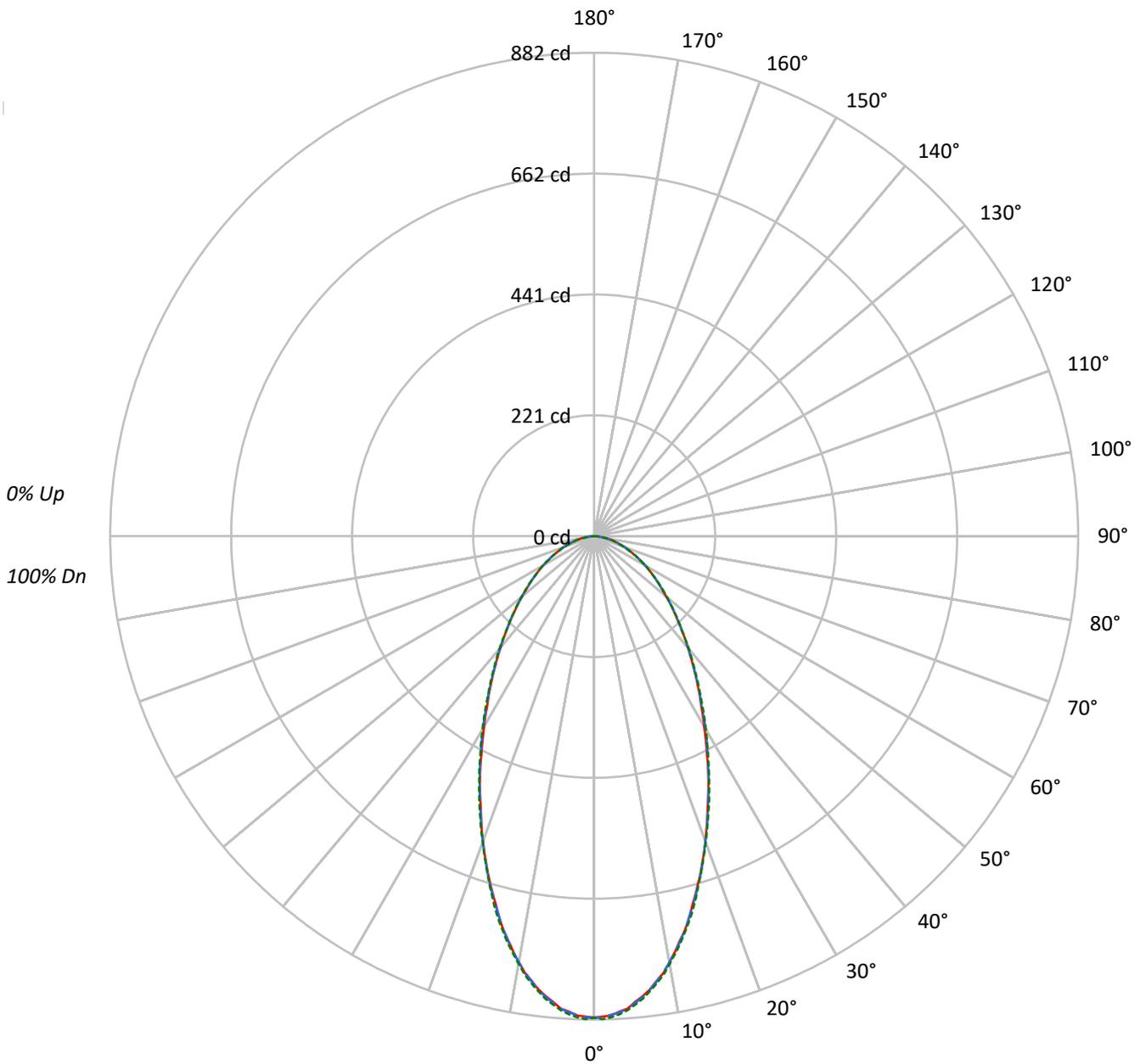
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1128.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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% Up
100% Dn

— 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 | 102 | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 88 | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 83 | 87 | 84 | 81 | 85 | 82 | 79 | 79 | 77 | |
| 3 | 95 | 86 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 70 | 68 | |
| 4 | 89 | 78 | 71 | 65 | 86 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 62 | 60 | |
| 5 | 83 | 72 | 64 | 58 | 81 | 71 | 63 | 58 | 69 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 56 | 54 | |
| 6 | 77 | 66 | 58 | 52 | 76 | 65 | 58 | 52 | 63 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 51 | 49 | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 47 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 47 | 45 | |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 43 | 41 | |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 40 | 38 | |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 35 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 151298 | 151298 | 151298 |
| 5° | 147554 | 147830 | 148366 |
| 10° | 138067 | 138067 | 138609 |
| 15° | 123792 | 124078 | 124916 |
| 20° | 108664 | 108664 | 108957 |
| 25° | 93702 | 93702 | 94291 |
| 30° | 79745 | 80680 | 80978 |
| 35° | 68897 | 69213 | 69549 |
| 40° | 59645 | 59982 | 60342 |
| 45° | 52073 | 52438 | 52438 |
| 50° | 45977 | 45977 | 46406 |
| 55° | 41226 | 41226 | 41226 |
| 60° | 37097 | 37097 | 37097 |
| 65° | 33049 | 33049 | 33049 |
| 70° | 29860 | 29860 | 29860 |
| 75° | 27016 | 25951 | 25951 |
| 80° | 23208 | 21621 | 21621 |
| 85° | 15413 | 15413 | 15413 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 52438 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.5 | 7.1 |
| 10°-20° | 194.0 | 17.2 |
| 20°-30° | 226.6 | 20.1 |
| 30°-40° | 206.1 | 18.3 |
| 40°-50° | 166.5 | 14.8 |
| 50°-60° | 123.0 | 10.9 |
| 60°-70° | 81.0 | 7.2 |
| 70°-80° | 41.9 | 3.7 |
| 80°-90° | 9.5 | 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° | 500.1 | 44.3 |
| 0°-40° | 706.2 | 62.6 |
| 0°-60° | 995.6 | 88.3 |
| 0°-90° | 1128.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1128.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 878 | 878 | 878 | 878 | 878 | |
| 5° | 854 | 854 | 855 | 855 | 858 | 80 |
| 15° | 694 | 696 | 696 | 696 | 701 | 194 |
| 25° | 493 | 492 | 493 | 493 | 496 | 226 |
| 35° | 328 | 326 | 329 | 329 | 331 | 205 |
| 45° | 214 | 215 | 215 | 215 | 215 | 166 |
| 55° | 137 | 136 | 137 | 136 | 137 | 123 |
| 65° | 81 | 81 | 81 | 81 | 81 | 81 |
| 75° | 41 | 39 | 39 | 39 | 39 | 43 |
| 85° | 8 | 8 | 8 | 8 | 8 | 10 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1307466

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 878.5 | 878.5 | 878.5 | 878.5 | 878.5 |
| 1° | 876.9 | 876.9 | 878.5 | 876.9 | 881.6 |
| 2° | 875.3 | 873.8 | 873.8 | 873.8 | 878.5 |
| 3° | 869.1 | 869.1 | 870.7 | 869.1 | 873.8 |
| 4° | 864.4 | 862.9 | 864.4 | 862.9 | 867.5 |
| 5° | 853.5 | 853.5 | 855.1 | 855.1 | 858.2 |
| 6° | 844.1 | 844.1 | 845.7 | 844.1 | 848.8 |
| 7° | 833.2 | 833.2 | 833.2 | 833.2 | 836.3 |
| 8° | 819.2 | 819.2 | 820.7 | 820.7 | 823.9 |
| 9° | 806.7 | 805.1 | 805.1 | 805.1 | 809.8 |
| 10° | 789.5 | 789.5 | 789.5 | 789.5 | 792.6 |
| 11° | 772.4 | 772.4 | 772.4 | 772.4 | 775.5 |
| 12° | 753.6 | 753.6 | 755.2 | 753.6 | 758.3 |
| 13° | 736.5 | 736.5 | 736.5 | 736.5 | 739.6 |
| 14° | 716.2 | 714.6 | 716.2 | 716.2 | 720.9 |
| 15° | 694.3 | 695.9 | 695.9 | 695.9 | 700.6 |
| 17.5° | 644.4 | 644.4 | 646.0 | 642.9 | 646.0 |
| 20° | 592.9 | 591.4 | 592.9 | 592.9 | 594.5 |
| 22.5° | 539.9 | 541.4 | 541.4 | 541.4 | 544.6 |
| 25° | 493.1 | 491.5 | 493.1 | 493.1 | 496.2 |
| 27.5° | 444.7 | 446.3 | 447.8 | 446.3 | 449.4 |
| 30° | 401.0 | 404.1 | 405.7 | 402.6 | 407.2 |
| 32.5° | 362.0 | 362.0 | 363.6 | 365.1 | 366.7 |
| 35° | 327.7 | 326.1 | 329.2 | 329.2 | 330.8 |
| 37.5° | 294.9 | 294.9 | 294.9 | 296.5 | 298.0 |
| 40° | 265.3 | 265.3 | 266.8 | 266.8 | 268.4 |
| 42.5° | 238.7 | 237.2 | 238.7 | 238.7 | 238.7 |
| 45° | 213.8 | 215.3 | 215.3 | 215.3 | 215.3 |
| 47.5° | 191.9 | 191.9 | 193.5 | 191.9 | 193.5 |
| 50° | 171.6 | 171.6 | 171.6 | 171.6 | 173.2 |
| 52.5° | 152.9 | 152.9 | 152.9 | 152.9 | 154.5 |
| 55° | 137.3 | 135.7 | 137.3 | 135.7 | 137.3 |
| 57.5° | 121.7 | 121.7 | 121.7 | 121.7 | 121.7 |
| 60° | 107.7 | 106.1 | 107.7 | 106.1 | 107.7 |
| 62.5° | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 65° | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 67.5° | 70.2 | 70.2 | 70.2 | 68.7 | 68.7 |
| 70° | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| 72.5° | 49.9 | 48.4 | 48.4 | 48.4 | 48.4 |
| 75° | 40.6 | 39.0 | 39.0 | 39.0 | 39.0 |
| 77.5° | 31.2 | 31.2 | 29.6 | 29.6 | 31.2 |
| 80° | 23.4 | 21.8 | 21.8 | 21.8 | 21.8 |
| 82.5° | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 85° | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 87.5° | 1.6 | 1.6 | 1.6 | 3.1 | 3.1 |



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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)