

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: P1312851

Luminaire Tested: LDSQA3D20R259050D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259050D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

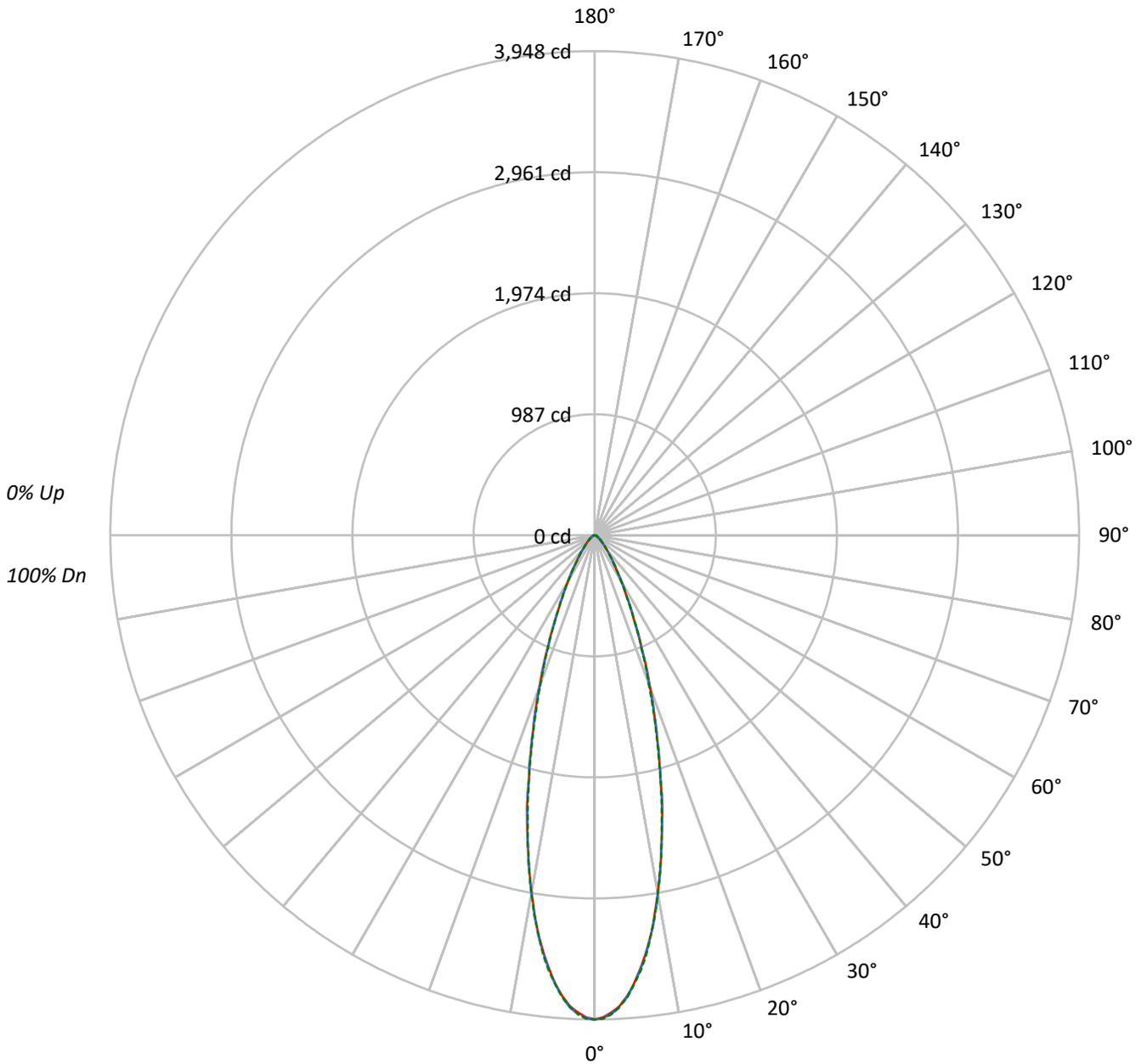
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1582.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 100 | 100 | 100 | 100 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 88 |
| 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 89 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 85 | 83 | 83 | 83 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 83 | 89 | 85 | 82 | 87 | 84 | 81 | 85 | 82 | 80 | 79 | 79 | 79 | 79 |
| 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 80 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 74 | 74 | 74 | 74 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 73 | 81 | 76 | 73 | 79 | 76 | 72 | 78 | 75 | 72 | 71 | 71 | 71 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 78 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 69 | 67 | 67 | 67 | 67 |
| 8 | 84 | 76 | 70 | 67 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 66 | 72 | 68 | 66 | 64 | 64 | 64 | 64 |
| 9 | 81 | 72 | 67 | 64 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 66 | 63 | 62 | 62 | 62 | 62 |
| 10 | 78 | 69 | 64 | 61 | 77 | 69 | 64 | 61 | 68 | 64 | 61 | 67 | 63 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 679969 | 679969 | 679969 |
| 5° | 634679 | 635319 | 635647 |
| 10° | 517696 | 519305 | 519305 |
| 15° | 369754 | 371733 | 369754 |
| 20° | 241997 | 239633 | 236242 |
| 25° | 143869 | 144572 | 143869 |
| 30° | 86666 | 86666 | 86308 |
| 35° | 52814 | 53192 | 52814 |
| 40° | 33633 | 34038 | 34038 |
| 45° | 23382 | 23382 | 23382 |
| 50° | 16826 | 17308 | 17308 |
| 55° | 13302 | 13302 | 13872 |
| 60° | 10816 | 11436 | 11436 |
| 65° | 9780 | 9780 | 9780 |
| 70° | 8359 | 8359 | 9316 |
| 75° | 7386 | 7386 | 8584 |
| 80° | 7339 | 7339 | 7339 |
| 85° | 3557 | 3557 | 3557 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23382 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 328.1 | 20.7 |
| 10°-20° | 571.9 | 36.2 |
| 20°-30° | 359.5 | 22.7 |
| 30°-40° | 164.5 | 10.4 |
| 40°-50° | 76.8 | 4.9 |
| 50°-60° | 41.3 | 2.6 |
| 60°-70° | 24.3 | 1.5 |
| 70°-80° | 12.7 | 0.8 |
| 80°-90° | 2.8 | 0.2 |
| 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° | 1259.5 | 79.6 |
| 0°-40° | 1424.0 | 90.0 |
| 0°-60° | 1542.1 | 97.5 |
| 0°-90° | 1582.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1582.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3948 | 3948 | 3948 | 3948 | 3948 | |
| 5° | 3671 | 3679 | 3675 | 3679 | 3677 | 327 |
| 15° | 2074 | 2087 | 2085 | 2089 | 2074 | 572 |
| 25° | 757 | 766 | 761 | 761 | 757 | 360 |
| 35° | 251 | 251 | 253 | 253 | 251 | 164 |
| 45° | 96 | 96 | 96 | 96 | 96 | 76 |
| 55° | 44 | 44 | 44 | 46 | 46 | 41 |
| 65° | 24 | 24 | 24 | 24 | 24 | 24 |
| 75° | 11 | 11 | 11 | 13 | 13 | 12 |
| 85° | 2 | 2 | 2 | 2 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312851

CATALOG NUMBER: LDSQA3D20R259050D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3948.2 | 3948.2 | 3948.2 | 3948.2 | 3948.2 |
| 1° | 3931.6 | 3935.3 | 3939.0 | 3944.5 | 3942.7 |
| 2° | 3894.7 | 3902.1 | 3903.9 | 3911.3 | 3909.5 |
| 3° | 3844.8 | 3843.0 | 3857.8 | 3857.8 | 3848.5 |
| 4° | 3767.3 | 3771.0 | 3774.7 | 3778.3 | 3780.2 |
| 5° | 3671.2 | 3678.6 | 3674.9 | 3678.6 | 3676.8 |
| 6° | 3553.0 | 3564.1 | 3562.3 | 3566.0 | 3571.5 |
| 7° | 3427.5 | 3434.9 | 3434.9 | 3431.2 | 3445.9 |
| 8° | 3290.8 | 3285.3 | 3294.5 | 3290.8 | 3289.0 |
| 9° | 3128.3 | 3139.4 | 3141.2 | 3132.0 | 3135.7 |
| 10° | 2960.3 | 2967.6 | 2969.5 | 2975.0 | 2969.5 |
| 11° | 2794.1 | 2794.1 | 2797.7 | 2807.0 | 2792.2 |
| 12° | 2613.1 | 2629.7 | 2613.1 | 2620.5 | 2613.1 |
| 13° | 2441.3 | 2445.0 | 2441.3 | 2439.5 | 2426.6 |
| 14° | 2278.8 | 2265.9 | 2269.6 | 2254.8 | 2256.7 |
| 15° | 2073.8 | 2086.8 | 2084.9 | 2088.6 | 2073.8 |
| 17.5° | 1667.6 | 1675.0 | 1673.1 | 1669.4 | 1650.9 |
| 20° | 1320.4 | 1320.4 | 1307.5 | 1300.1 | 1289.0 |
| 22.5° | 1008.3 | 1004.6 | 999.1 | 993.5 | 997.2 |
| 25° | 757.1 | 766.4 | 760.8 | 760.8 | 757.1 |
| 27.5° | 572.5 | 583.6 | 574.3 | 568.8 | 572.5 |
| 30° | 435.8 | 439.5 | 435.8 | 434.0 | 434.0 |
| 32.5° | 328.7 | 330.6 | 328.7 | 328.7 | 328.7 |
| 35° | 251.2 | 251.2 | 253.0 | 253.0 | 251.2 |
| 37.5° | 193.9 | 193.9 | 193.9 | 193.9 | 195.7 |
| 40° | 149.6 | 151.4 | 151.4 | 151.4 | 151.4 |
| 42.5° | 118.2 | 120.0 | 120.0 | 120.0 | 120.0 |
| 45° | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 47.5° | 77.6 | 77.6 | 77.6 | 77.6 | 79.4 |
| 50° | 62.8 | 64.6 | 64.6 | 64.6 | 64.6 |
| 52.5° | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| 55° | 44.3 | 44.3 | 44.3 | 46.2 | 46.2 |
| 57.5° | 36.9 | 36.9 | 38.8 | 38.8 | 38.8 |
| 60° | 31.4 | 33.2 | 33.2 | 33.2 | 33.2 |
| 62.5° | 27.7 | 27.7 | 29.5 | 29.5 | 29.5 |
| 65° | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 |
| 67.5° | 20.3 | 20.3 | 20.3 | 20.3 | 22.2 |
| 70° | 16.6 | 16.6 | 16.6 | 18.5 | 18.5 |
| 72.5° | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |
| 75° | 11.1 | 11.1 | 11.1 | 12.9 | 12.9 |
| 77.5° | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 80° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 82.5° | 3.7 | 3.7 | 5.5 | 5.5 | 5.5 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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)