

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: P1313953

Luminaire Tested: LDSQA3D20R209727D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209727D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

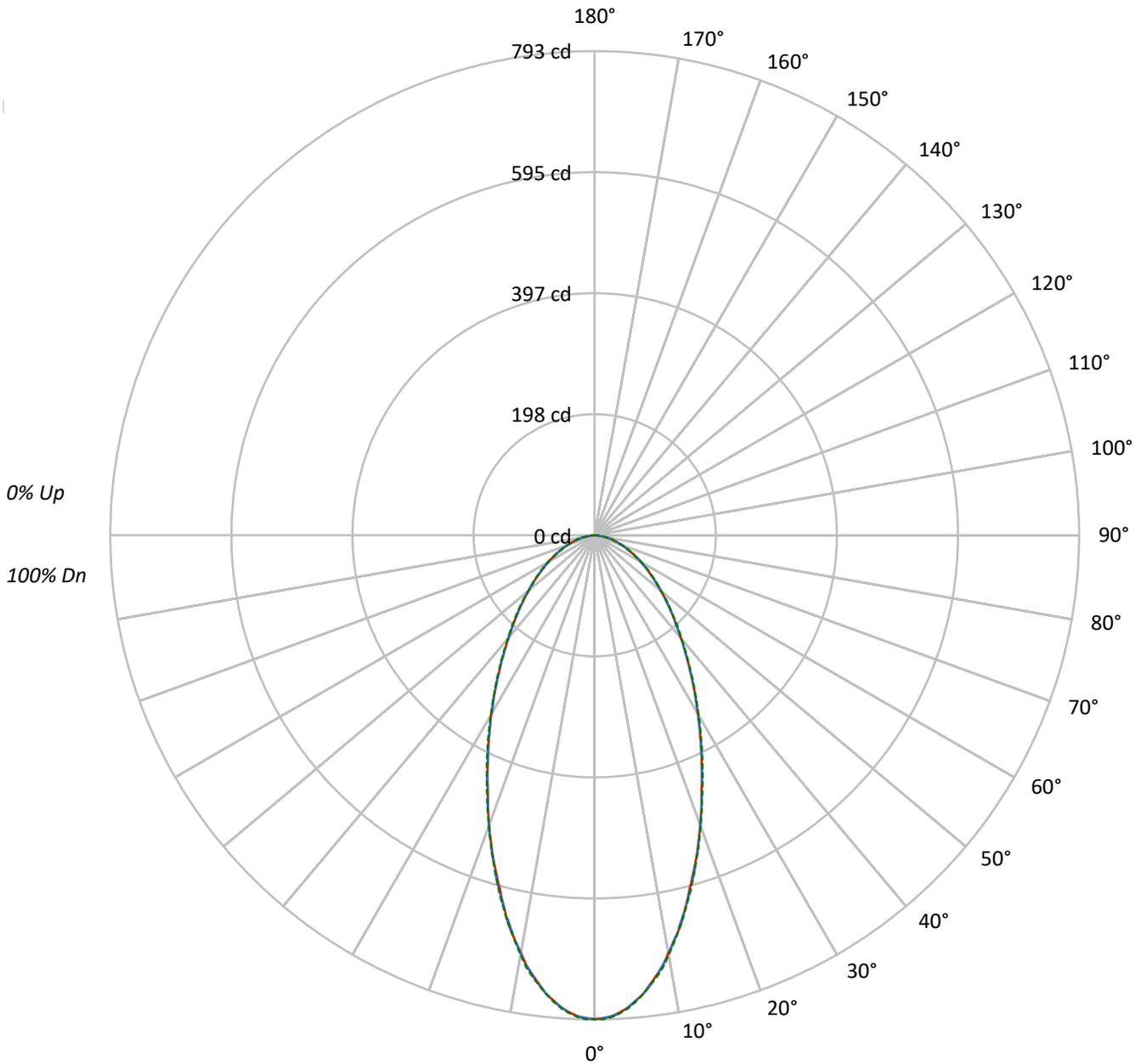
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 948.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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 | | | |
| 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 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 90 | 88 | |
| 2 | 103 | 96 | 91 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 77 | |
| 3 | 96 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 72 | 77 | 74 | 70 | 70 | 68 | |
| 4 | 89 | 79 | 71 | 66 | 87 | 78 | 71 | 65 | 75 | 69 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 61 | |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 58 | 69 | 63 | 58 | 67 | 62 | 57 | 65 | 61 | 57 | 57 | 55 | |
| 6 | 78 | 66 | 59 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 52 | 50 | |
| 7 | 73 | 61 | 54 | 48 | 71 | 60 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 47 | 47 | 46 | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 42 | |
| 9 | 65 | 53 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 49 | 44 | 40 | 40 | 39 | |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 46 | 41 | 37 | 37 | 36 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 136504 | 136504 | 136504 |
| 5° | 132375 | 132375 | 132617 |
| 10° | 121524 | 121769 | 122013 |
| 15° | 106997 | 107496 | 107745 |
| 20° | 92609 | 92609 | 92866 |
| 25° | 78804 | 78804 | 79336 |
| 30° | 67276 | 66978 | 67555 |
| 35° | 57439 | 57439 | 57733 |
| 40° | 49326 | 49326 | 49640 |
| 45° | 43086 | 43086 | 43427 |
| 50° | 37912 | 37912 | 37912 |
| 55° | 33569 | 33569 | 33990 |
| 60° | 30208 | 30208 | 30208 |
| 65° | 27100 | 27100 | 27100 |
| 70° | 24221 | 24221 | 24221 |
| 75° | 21693 | 20694 | 21693 |
| 80° | 18249 | 18249 | 18249 |
| 85° | 11263 | 11263 | 14030 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 43427 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.9 | 7.5 |
| 10°-20° | 167.8 | 17.7 |
| 20°-30° | 191.1 | 20.2 |
| 30°-40° | 171.6 | 18.1 |
| 40°-50° | 137.5 | 14.5 |
| 50°-60° | 101.0 | 10.7 |
| 60°-70° | 66.0 | 7.0 |
| 70°-80° | 34.2 | 3.6 |
| 80°-90° | 7.9 | 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° | 429.8 | 45.3 |
| 0°-40° | 601.3 | 63.4 |
| 0°-60° | 839.8 | 88.6 |
| 0°-90° | 948.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 948.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 793 | 793 | 793 | 793 | 793 | |
| 5° | 766 | 766 | 766 | 766 | 767 | 71 |
| 15° | 600 | 600 | 603 | 603 | 604 | 168 |
| 25° | 415 | 415 | 415 | 416 | 418 | 191 |
| 35° | 273 | 273 | 273 | 273 | 275 | 171 |
| 45° | 177 | 177 | 177 | 177 | 178 | 137 |
| 55° | 112 | 112 | 112 | 112 | 113 | 101 |
| 65° | 66 | 65 | 66 | 66 | 66 | 66 |
| 75° | 33 | 31 | 31 | 33 | 33 | 35 |
| 85° | 6 | 6 | 6 | 7 | 7 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 792.6 | 792.6 | 792.6 | 792.6 | 792.6 |
| 1° | 791.2 | 789.7 | 791.2 | 791.2 | 792.6 |
| 2° | 788.3 | 788.3 | 788.3 | 786.9 | 789.7 |
| 3° | 782.7 | 782.7 | 784.1 | 782.7 | 784.1 |
| 4° | 775.6 | 775.6 | 775.6 | 774.2 | 777.0 |
| 5° | 765.7 | 765.7 | 765.7 | 765.7 | 767.1 |
| 6° | 755.8 | 754.4 | 755.8 | 754.4 | 755.8 |
| 7° | 741.6 | 741.6 | 743.0 | 741.6 | 743.0 |
| 8° | 727.5 | 726.1 | 728.9 | 727.5 | 730.3 |
| 9° | 713.3 | 711.9 | 713.3 | 711.9 | 716.1 |
| 10° | 694.9 | 696.3 | 696.3 | 696.3 | 697.7 |
| 12.5° | 652.5 | 649.6 | 649.6 | 649.6 | 652.5 |
| 15° | 600.1 | 600.1 | 602.9 | 602.9 | 604.3 |
| 17.5° | 553.4 | 552.0 | 554.8 | 554.8 | 554.8 |
| 20° | 505.3 | 503.8 | 505.3 | 505.3 | 506.7 |
| 22.5° | 457.1 | 458.6 | 458.6 | 458.6 | 460.0 |
| 25° | 414.7 | 414.7 | 414.7 | 416.1 | 417.5 |
| 27.5° | 375.1 | 373.6 | 375.1 | 376.5 | 377.9 |
| 30° | 338.3 | 336.8 | 336.8 | 338.3 | 339.7 |
| 32.5° | 304.3 | 302.9 | 304.3 | 304.3 | 305.7 |
| 35° | 273.2 | 273.2 | 273.2 | 273.2 | 274.6 |
| 37.5° | 244.8 | 244.8 | 244.8 | 246.3 | 246.3 |
| 40° | 219.4 | 219.4 | 219.4 | 220.8 | 220.8 |
| 42.5° | 196.7 | 196.7 | 196.7 | 198.1 | 199.6 |
| 45° | 176.9 | 176.9 | 176.9 | 176.9 | 178.3 |
| 47.5° | 158.5 | 158.5 | 158.5 | 159.9 | 159.9 |
| 50° | 141.5 | 140.1 | 141.5 | 142.9 | 141.5 |
| 52.5° | 126.0 | 126.0 | 126.0 | 126.0 | 127.4 |
| 55° | 111.8 | 111.8 | 111.8 | 111.8 | 113.2 |
| 57.5° | 99.1 | 99.1 | 99.1 | 100.5 | 100.5 |
| 60° | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 62.5° | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| 65° | 66.5 | 65.1 | 66.5 | 66.5 | 66.5 |
| 67.5° | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 70° | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 72.5° | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| 75° | 32.6 | 31.1 | 31.1 | 32.6 | 32.6 |
| 77.5° | 25.5 | 24.1 | 25.5 | 25.5 | 25.5 |
| 80° | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 |
| 82.5° | 11.3 | 11.3 | 11.3 | 12.7 | 12.7 |
| 85° | 5.7 | 5.7 | 5.7 | 7.1 | 7.1 |
| 87.5° | 1.4 | 1.4 | 1.4 | 2.8 | 2.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)