

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: P1319688

Luminaire Tested: LDSQA3D02R359840DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359840DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

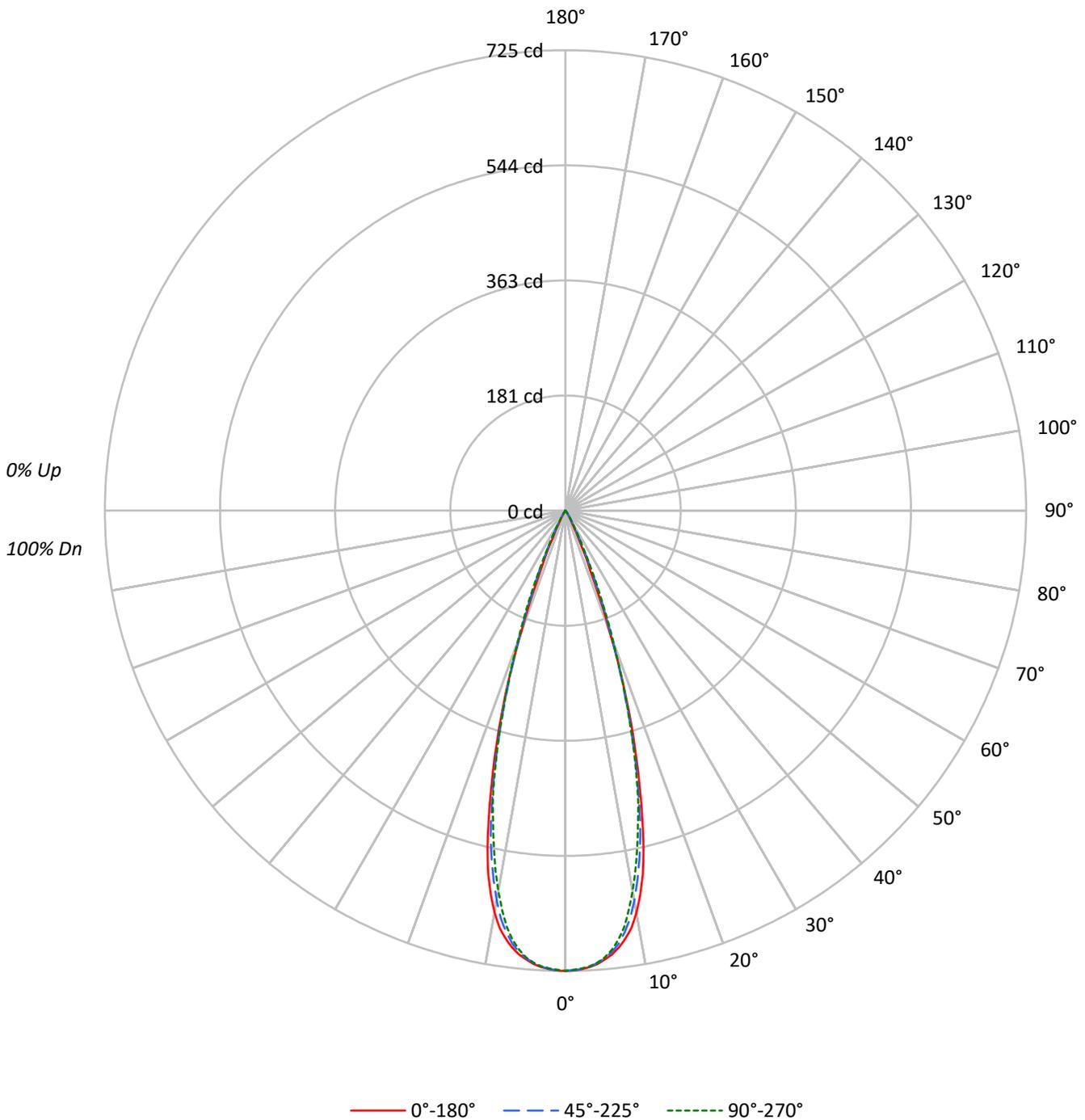
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
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 (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





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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 | 100 | 100 | 100 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 100 | 98 | 97 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | 97 | 95 | 93 | 95 | 93 | 92 | 90 | 90 | 90 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 93 | 90 | 89 | 87 | 87 | 87 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 87 | 90 | 88 | 86 | 85 | 85 | 85 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 85 | 83 | 81 | 80 | 80 | 80 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 79 | 83 | 80 | 78 | 77 | 77 | 77 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 75 | 75 | 75 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 74 | 80 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 | 73 | 73 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 124827 | 124827 | 124827 |
| 5° | 122693 | 122417 | 122157 |
| 10° | 112447 | 109055 | 106414 |
| 15° | 80519 | 77952 | 77007 |
| 20° | 37333 | 38616 | 39972 |
| 25° | 8855 | 12599 | 13150 |
| 30° | 2605 | 2983 | 3361 |
| 35° | 589 | 946 | 883 |
| 40° | 135 | 247 | 180 |
| 45° | 49 | 49 | 49 |
| 50° | 54 | 0 | 54 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 57 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.1 | 29.6 |
| 10°-20° | 116.3 | 52.9 |
| 20°-30° | 35.0 | 15.9 |
| 30°-40° | 3.3 | 1.5 |
| 40°-50° | 0.2 | 0.1 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 216.4 | 98.4 |
| 0°-40° | 219.8 | 99.9 |
| 0°-60° | 220.0 | 100.0 |
| 0°-90° | 220.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 220.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 725 | 725 | 725 | 725 | 725 | |
| 5° | 710 | 710 | 708 | 707 | 707 | 66 |
| 15° | 452 | 448 | 437 | 435 | 432 | 119 |
| 25° | 47 | 51 | 66 | 69 | 69 | 30 |
| 35° | 3 | 4 | 4 | 5 | 4 | 3 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 724.8 | 724.8 | 724.8 | 724.8 | 724.8 |
| 1° | 724.4 | 724.4 | 724.1 | 724.1 | 723.3 |
| 2° | 722.7 | 722.9 | 722.2 | 722.0 | 721.4 |
| 3° | 720.1 | 719.5 | 719.5 | 719.1 | 718.8 |
| 4° | 715.9 | 714.8 | 714.4 | 714.6 | 713.8 |
| 5° | 709.7 | 709.5 | 708.1 | 707.2 | 706.6 |
| 6° | 702.8 | 701.5 | 698.7 | 696.2 | 695.6 |
| 7° | 692.6 | 689.8 | 687.3 | 682.2 | 681.4 |
| 8° | 680.1 | 675.6 | 670.2 | 663.0 | 662.7 |
| 9° | 664.8 | 657.4 | 650.0 | 640.3 | 636.9 |
| 10° | 643.0 | 636.1 | 623.6 | 615.1 | 608.5 |
| 11° | 615.9 | 607.3 | 592.7 | 582.5 | 577.0 |
| 12° | 585.2 | 577.2 | 560.2 | 550.9 | 543.1 |
| 13° | 545.7 | 539.1 | 523.2 | 513.0 | 506.9 |
| 14° | 500.1 | 495.2 | 480.0 | 475.4 | 473.4 |
| 15° | 451.6 | 448.2 | 437.2 | 435.3 | 431.9 |
| 17.5° | 332.4 | 326.7 | 320.4 | 321.6 | 322.7 |
| 20° | 203.7 | 211.7 | 210.7 | 214.9 | 218.1 |
| 22.5° | 101.6 | 111.8 | 123.7 | 130.9 | 134.5 |
| 25° | 46.6 | 51.4 | 66.3 | 69.2 | 69.2 |
| 27.5° | 23.5 | 24.6 | 31.3 | 31.8 | 33.4 |
| 30° | 13.1 | 14.0 | 15.0 | 16.7 | 16.9 |
| 32.5° | 6.6 | 7.8 | 8.1 | 9.1 | 8.7 |
| 35° | 2.8 | 3.8 | 4.5 | 4.9 | 4.2 |
| 37.5° | 1.3 | 1.7 | 2.5 | 2.3 | 1.7 |
| 40° | 0.6 | 0.8 | 1.1 | 0.9 | 0.8 |
| 42.5° | 0.4 | 0.4 | 0.6 | 0.4 | 0.4 |
| 45° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 47.5° | 0.2 | 0.2 | 0.0 | 0.2 | 0.2 |
| 50° | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 52.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)