

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: P1313308

Luminaire Tested: LDSQA3D05R159727DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159727DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

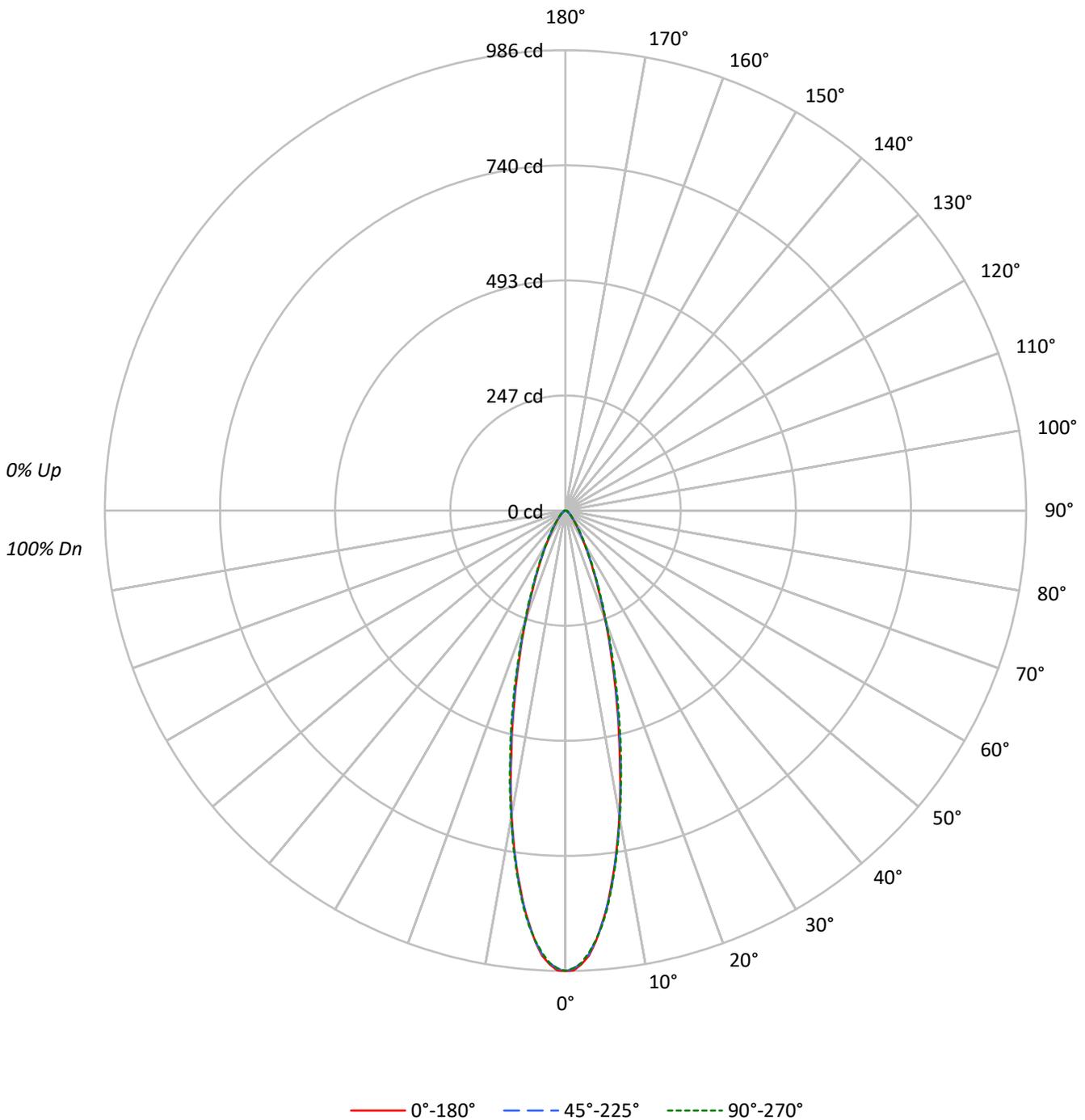
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 326.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





TEST NUMBER: P1313308

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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 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 97 | 94 | 97 | 94 | 92 | 94 | 92 | 90 | 89 | 89 | 89 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 89 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 87 | 85 | 84 | 84 | 84 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 80 | 80 | 80 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 78 | 83 | 79 | 77 | 76 | 76 | 76 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 83 | 78 | 75 | 82 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 7 | 88 | 80 | 75 | 71 | 87 | 80 | 75 | 71 | 79 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 70 | 69 | 69 | 69 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 74 | 70 | 67 | 66 | 66 | 66 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 64 | 64 | 64 | 64 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 69 | 65 | 62 | 61 | 61 | 61 | 61 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 169777 | 169777 | 169777 |
| 5° | 153777 | 154071 | 154296 |
| 10° | 116102 | 116400 | 116977 |
| 15° | 75313 | 76133 | 77613 |
| 20° | 45342 | 45874 | 46497 |
| 25° | 26490 | 27041 | 27440 |
| 30° | 15571 | 16068 | 16307 |
| 35° | 9587 | 9945 | 10113 |
| 40° | 6295 | 6497 | 6587 |
| 45° | 4384 | 4481 | 4579 |
| 50° | 3242 | 3376 | 3483 |
| 55° | 2642 | 2762 | 2762 |
| 60° | 2308 | 2308 | 2308 |
| 65° | 2038 | 2038 | 2038 |
| 70° | 1662 | 1913 | 1913 |
| 75° | 1664 | 1664 | 1664 |
| 80° | 1289 | 1686 | 1686 |
| 85° | 790 | 790 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 4579 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.7 | 23.8 |
| 10°-20° | 118.7 | 36.4 |
| 20°-30° | 67.5 | 20.7 |
| 30°-40° | 30.8 | 9.4 |
| 40°-50° | 14.8 | 4.5 |
| 50°-60° | 8.3 | 2.5 |
| 60°-70° | 5.1 | 1.6 |
| 70°-80° | 2.7 | 0.8 |
| 80°-90° | 0.6 | 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° | 263.9 | 80.9 |
| 0°-40° | 294.6 | 90.4 |
| 0°-60° | 317.7 | 97.5 |
| 0°-90° | 326.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 326.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 986 | 986 | 986 | 986 | 986 | |
| 5° | 890 | 889 | 891 | 891 | 892 | 78 |
| 15° | 422 | 424 | 427 | 433 | 435 | 117 |
| 25° | 139 | 139 | 142 | 144 | 144 | 66 |
| 35° | 46 | 46 | 47 | 48 | 48 | 30 |
| 45° | 18 | 18 | 18 | 19 | 19 | 14 |
| 55° | 9 | 9 | 9 | 9 | 9 | 8 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 |
| 75° | 2 | 2 | 2 | 2 | 2 | 3 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 985.8 | 985.8 | 985.8 | 985.8 | 985.8 |
| 1° | 985.0 | 982.5 | 981.6 | 981.2 | 980.4 |
| 2° | 972.4 | 970.3 | 969.9 | 969.9 | 969.5 |
| 3° | 954.8 | 951.1 | 951.5 | 950.2 | 949.0 |
| 4° | 925.1 | 923.4 | 924.3 | 925.1 | 923.4 |
| 5° | 889.5 | 889.1 | 891.2 | 891.2 | 892.5 |
| 6° | 852.7 | 852.3 | 851.0 | 854.4 | 856.0 |
| 7° | 805.8 | 808.3 | 811.7 | 810.0 | 811.2 |
| 8° | 763.1 | 760.2 | 761.4 | 765.6 | 766.0 |
| 9° | 712.9 | 710.8 | 716.2 | 717.9 | 718.3 |
| 10° | 663.9 | 666.0 | 665.6 | 671.4 | 668.9 |
| 12.5° | 536.2 | 539.6 | 543.3 | 545.9 | 548.4 |
| 15° | 422.4 | 424.5 | 427.0 | 432.8 | 435.3 |
| 17.5° | 324.8 | 327.3 | 329.9 | 334.9 | 335.7 |
| 20° | 247.4 | 248.6 | 250.3 | 254.9 | 253.7 |
| 22.5° | 185.0 | 187.1 | 188.8 | 190.9 | 192.1 |
| 25° | 139.4 | 139.4 | 142.3 | 143.6 | 144.4 |
| 27.5° | 103.8 | 104.6 | 106.7 | 108.4 | 108.0 |
| 30° | 78.3 | 79.5 | 80.8 | 81.6 | 82.0 |
| 32.5° | 60.3 | 60.3 | 61.5 | 62.8 | 63.2 |
| 35° | 45.6 | 46.5 | 47.3 | 48.1 | 48.1 |
| 37.5° | 35.6 | 36.0 | 36.8 | 37.3 | 37.3 |
| 40° | 28.0 | 28.0 | 28.9 | 29.3 | 29.3 |
| 42.5° | 22.2 | 22.6 | 23.0 | 23.4 | 23.4 |
| 45° | 18.0 | 18.0 | 18.4 | 18.8 | 18.8 |
| 47.5° | 14.7 | 14.7 | 15.1 | 15.5 | 15.5 |
| 50° | 12.1 | 12.6 | 12.6 | 13.0 | 13.0 |
| 52.5° | 10.5 | 10.5 | 10.5 | 10.9 | 10.9 |
| 55° | 8.8 | 8.8 | 9.2 | 9.2 | 9.2 |
| 57.5° | 7.5 | 7.5 | 7.5 | 8.0 | 8.0 |
| 60° | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 62.5° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 65° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 67.5° | 4.2 | 4.2 | 4.2 | 4.6 | 4.6 |
| 70° | 3.3 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 75° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 77.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 80° | 1.3 | 1.7 | 1.7 | 1.7 | 1.7 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)