

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: P1312885

Luminaire Tested: LDSQA3D20R359050D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359050D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

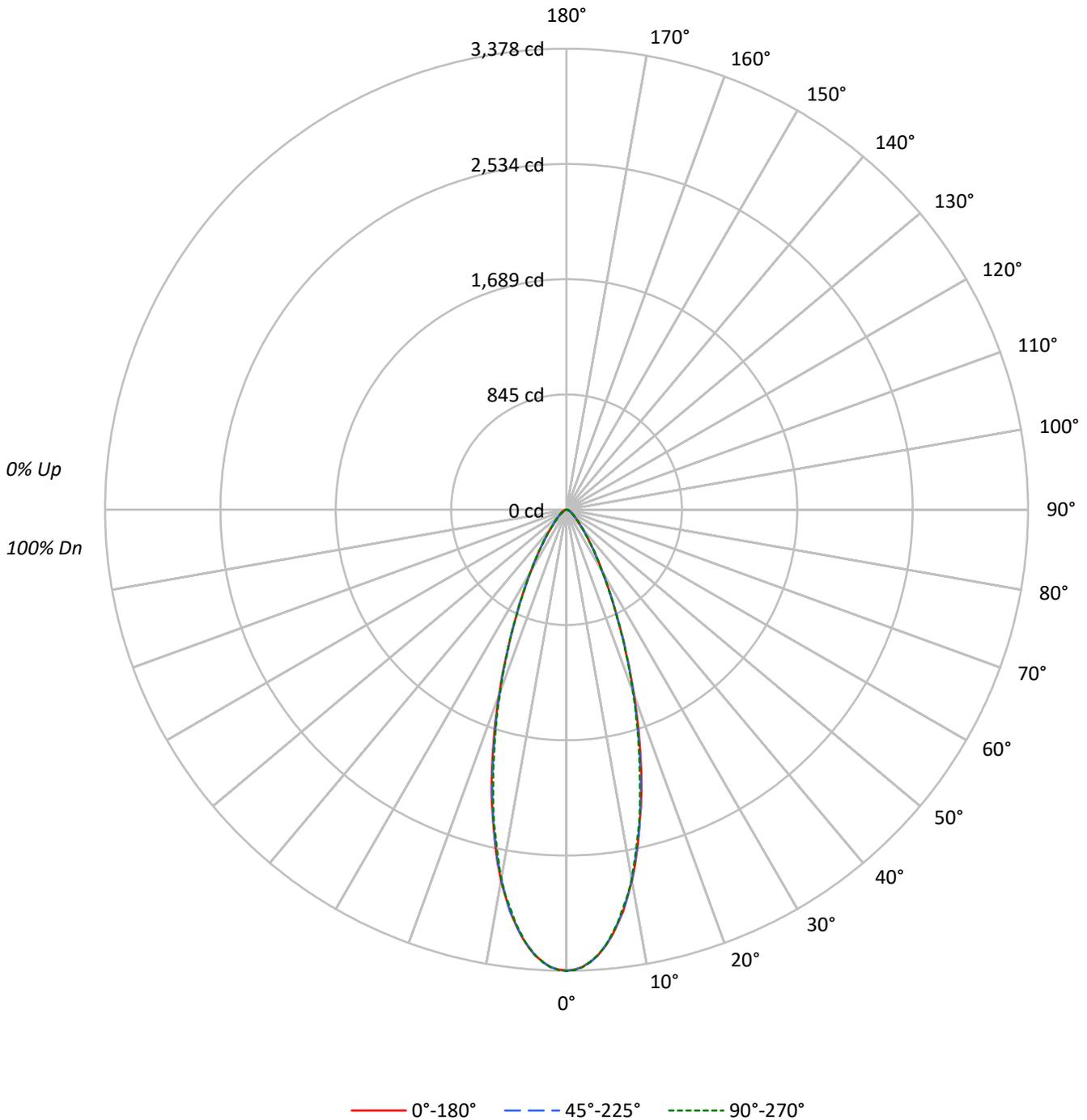
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
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





TEST NUMBER: P1312885

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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 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 95 | 95 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 89 | 89 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 83 | 83 | 83 | 82 |
| 4 | 98 | 91 | 86 | 82 | 97 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 78 | 78 | 78 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 74 | 74 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 7 | 86 | 77 | 72 | 68 | 85 | 77 | 71 | 67 | 75 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 66 | 66 | 66 | 65 |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 63 | 63 | 63 | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 64 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 60 | 60 | 60 | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 61 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 64 | 60 | 57 | 57 | 57 | 57 | 56 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 581785 | 581785 | 581785 |
| 5° | 555932 | 554981 | 555932 |
| 10° | 482615 | 481006 | 480359 |
| 15° | 378170 | 375210 | 369291 |
| 20° | 264577 | 262194 | 260508 |
| 25° | 168022 | 169086 | 168022 |
| 30° | 103529 | 104265 | 103529 |
| 35° | 64041 | 64419 | 64419 |
| 40° | 40670 | 41097 | 41097 |
| 45° | 27425 | 27888 | 28326 |
| 50° | 19773 | 20282 | 20282 |
| 55° | 15523 | 15523 | 15523 |
| 60° | 12710 | 12710 | 12710 |
| 65° | 11288 | 11288 | 11288 |
| 70° | 10222 | 10222 | 10222 |
| 75° | 8584 | 8584 | 8584 |
| 80° | 7339 | 7339 | 7339 |
| 85° | 3557 | 3557 | 7311 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 28326 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 291.9 | 17.5 |
| 10°-20° | 574.8 | 34.5 |
| 20°-30° | 414.7 | 24.9 |
| 30°-40° | 199.9 | 12.0 |
| 40°-50° | 92.2 | 5.5 |
| 50°-60° | 47.7 | 2.9 |
| 60°-70° | 27.6 | 1.7 |
| 70°-80° | 13.9 | 0.8 |
| 80°-90° | 3.2 | 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° | 1281.5 | 76.9 |
| 0°-40° | 1481.4 | 88.9 |
| 0°-60° | 1621.3 | 97.3 |
| 0°-90° | 1666.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1666.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 3378 | 3378 | 3378 | 3378 | 3378 | |
| 5° | 3216 | 3223 | 3210 | 3212 | 3216 | 292 |
| 15° | 2121 | 2117 | 2104 | 2095 | 2071 | 578 |
| 25° | 884 | 886 | 890 | 890 | 884 | 415 |
| 35° | 305 | 305 | 306 | 306 | 306 | 199 |
| 45° | 113 | 114 | 114 | 116 | 116 | 91 |
| 55° | 52 | 52 | 52 | 52 | 52 | 47 |
| 65° | 28 | 28 | 28 | 28 | 28 | 27 |
| 75° | 13 | 13 | 13 | 13 | 13 | 14 |
| 85° | 2 | 2 | 2 | 2 | 4 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3378.1 | 3378.1 | 3378.1 | 3378.1 | 3378.1 |
| 1° | 3368.9 | 3374.4 | 3372.6 | 3374.4 | 3372.6 |
| 2° | 3352.3 | 3356.0 | 3352.3 | 3354.1 | 3354.1 |
| 3° | 3317.2 | 3320.9 | 3320.9 | 3319.1 | 3317.2 |
| 4° | 3274.8 | 3284.0 | 3274.8 | 3276.6 | 3271.1 |
| 5° | 3215.7 | 3223.1 | 3210.2 | 3212.0 | 3215.7 |
| 6° | 3143.7 | 3145.5 | 3141.9 | 3140.0 | 3136.3 |
| 7° | 3060.6 | 3068.0 | 3055.1 | 3056.9 | 3053.2 |
| 8° | 2972.0 | 2970.2 | 2970.2 | 2962.8 | 2951.7 |
| 9° | 2865.0 | 2872.3 | 2861.3 | 2857.6 | 2859.4 |
| 10° | 2759.7 | 2759.7 | 2750.5 | 2741.3 | 2746.8 |
| 11° | 2639.7 | 2636.1 | 2630.5 | 2617.6 | 2613.9 |
| 12° | 2508.7 | 2516.1 | 2499.5 | 2493.9 | 2481.0 |
| 13° | 2373.9 | 2385.0 | 2377.6 | 2357.3 | 2359.2 |
| 14° | 2248.4 | 2241.0 | 2235.5 | 2231.8 | 2218.9 |
| 15° | 2121.0 | 2117.3 | 2104.4 | 2095.2 | 2071.2 |
| 17.5° | 1772.1 | 1775.8 | 1751.8 | 1748.1 | 1738.9 |
| 20° | 1443.6 | 1432.5 | 1430.6 | 1432.5 | 1421.4 |
| 22.5° | 1139.0 | 1150.0 | 1137.1 | 1139.0 | 1131.6 |
| 25° | 884.2 | 886.1 | 889.8 | 889.8 | 884.2 |
| 27.5° | 686.7 | 686.7 | 683.0 | 686.7 | 681.2 |
| 30° | 520.6 | 520.6 | 524.3 | 527.9 | 520.6 |
| 32.5° | 402.4 | 402.4 | 402.4 | 404.3 | 406.1 |
| 35° | 304.6 | 304.6 | 306.4 | 306.4 | 306.4 |
| 37.5° | 234.4 | 236.3 | 238.1 | 238.1 | 238.1 |
| 40° | 180.9 | 182.8 | 182.8 | 184.6 | 182.8 |
| 42.5° | 144.0 | 144.0 | 144.0 | 145.8 | 145.8 |
| 45° | 112.6 | 114.5 | 114.5 | 116.3 | 116.3 |
| 47.5° | 92.3 | 92.3 | 92.3 | 94.1 | 94.1 |
| 50° | 73.8 | 75.7 | 75.7 | 75.7 | 75.7 |
| 52.5° | 60.9 | 60.9 | 62.8 | 62.8 | 62.8 |
| 55° | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 57.5° | 42.5 | 44.3 | 44.3 | 44.3 | 44.3 |
| 60° | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 62.5° | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 |
| 65° | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 67.5° | 22.2 | 24.0 | 24.0 | 24.0 | 24.0 |
| 70° | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 |
| 72.5° | 14.8 | 16.6 | 16.6 | 16.6 | 16.6 |
| 75° | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 77.5° | 11.1 | 9.2 | 9.2 | 9.2 | 11.1 |
| 80° | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| 82.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 3.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.8 | 1.8 |



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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)