

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: P1318669

Luminaire Tested: LDSQA3D20R359830D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318669
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: LDSQA3D20R359830D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

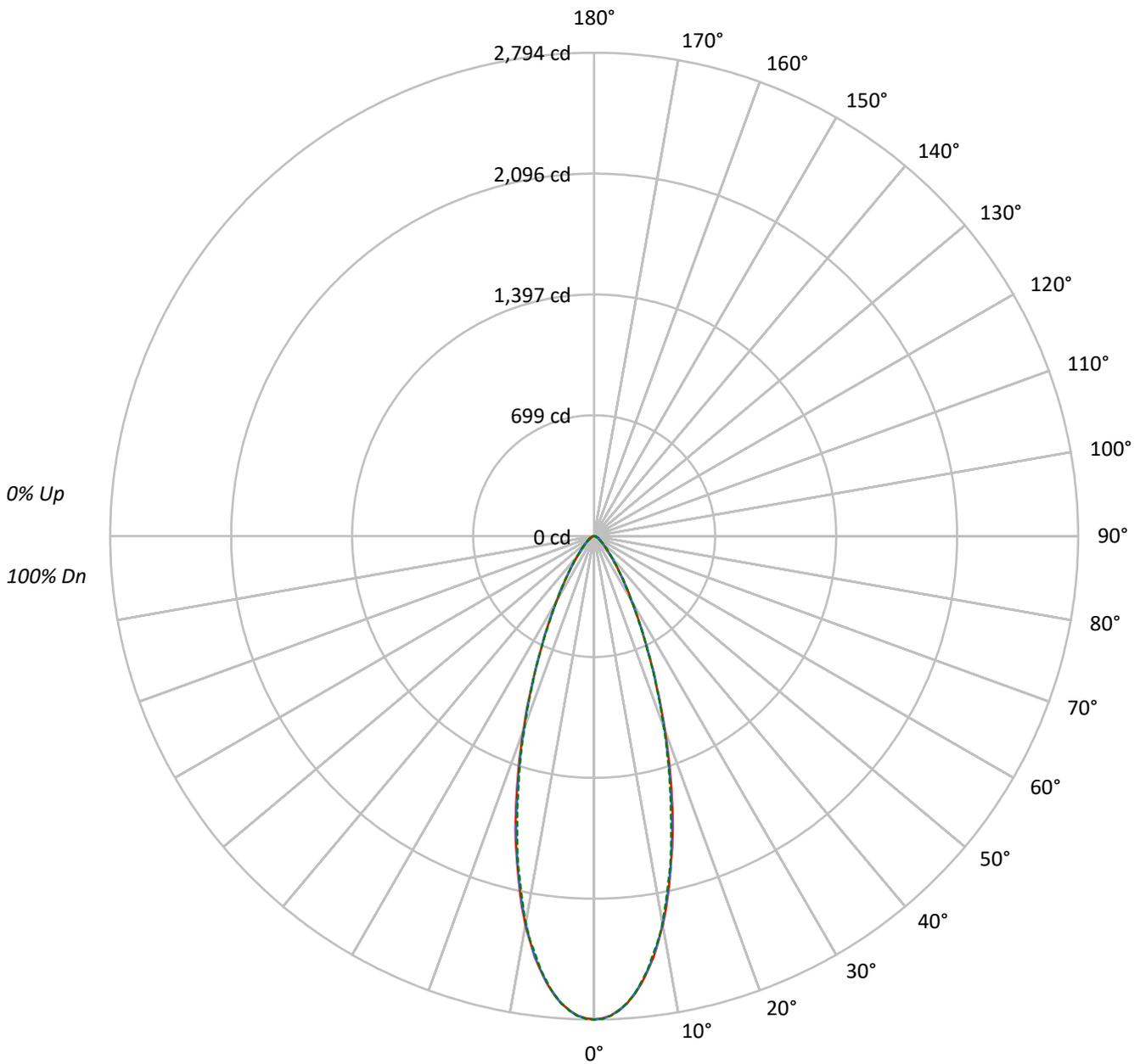
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1378.0 lumens
Efficiency: N/A
Efficacy: 50.3 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): 27.4
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

TEST NUMBER: P1318669
CATALOG NUMBER: LDSQA3D20R359830D010 3LSQPHRL1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1318669

CATALOG NUMBER: LDSQA3D20R359830D010 3LSQPHRL1MB

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 87 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 86 | 83 | 82 |
| 4 | 98 | 91 | 86 | 82 | 97 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | 82 | 78 | 75 | 80 | 77 | 74 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 71 | 79 | 74 | 71 | 78 | 74 | 70 | 76 | 73 | 70 | 69 |
| 7 | 86 | 77 | 72 | 68 | 85 | 77 | 71 | 67 | 75 | 71 | 67 | 74 | 70 | 67 | 73 | 69 | 66 | 65 |
| 8 | 82 | 73 | 68 | 64 | 81 | 73 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 62 |
| 9 | 79 | 70 | 65 | 61 | 78 | 70 | 64 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 67 | 63 | 60 | 59 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 61 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 64 | 60 | 57 | 56 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 481225 | 481225 | 481225 |
| 5° | 459828 | 459032 | 459828 |
| 10° | 399197 | 397851 | 397326 |
| 15° | 312806 | 310345 | 305442 |
| 20° | 218831 | 216870 | 215477 |
| 25° | 138985 | 139841 | 138985 |
| 30° | 85632 | 86228 | 85632 |
| 35° | 52961 | 53297 | 53297 |
| 40° | 33633 | 33993 | 33993 |
| 45° | 22675 | 23065 | 23430 |
| 50° | 16371 | 16772 | 16772 |
| 55° | 12851 | 12851 | 12851 |
| 60° | 10506 | 10506 | 10506 |
| 65° | 9332 | 9332 | 9332 |
| 70° | 8460 | 8460 | 8460 |
| 75° | 7120 | 7120 | 7120 |
| 80° | 6050 | 6050 | 6050 |
| 85° | 2964 | 2964 | 6126 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 23430 cd/sqm



TEST NUMBER: P1318669

CATALOG NUMBER: LDSQA3D20R359830D010 3LSQPHRL1MB

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 241.5 | 17.5 |
| 10°-20° | 475.4 | 34.5 |
| 20°-30° | 343.0 | 24.9 |
| 30°-40° | 165.4 | 12.0 |
| 40°-50° | 76.2 | 5.5 |
| 50°-60° | 39.4 | 2.9 |
| 60°-70° | 22.8 | 1.7 |
| 70°-80° | 11.5 | 0.8 |
| 80°-90° | 2.7 | 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° | 1059.9 | 76.9 |
| 0°-40° | 1225.3 | 88.9 |
| 0°-60° | 1341.0 | 97.3 |
| 0°-90° | 1378.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1378.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2794 | 2794 | 2794 | 2794 | 2794 | |
| 5° | 2660 | 2666 | 2655 | 2657 | 2660 | 242 |
| 15° | 1754 | 1751 | 1741 | 1733 | 1713 | 478 |
| 25° | 731 | 733 | 736 | 736 | 731 | 343 |
| 35° | 252 | 252 | 254 | 254 | 254 | 164 |
| 45° | 93 | 95 | 95 | 96 | 96 | 75 |
| 55° | 43 | 43 | 43 | 43 | 43 | 39 |
| 65° | 23 | 23 | 23 | 23 | 23 | 22 |
| 75° | 11 | 11 | 11 | 11 | 11 | 11 |
| 85° | 2 | 2 | 2 | 2 | 3 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318669

CATALOG NUMBER: LDSQA3D20R359830D010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2794.2 | 2794.2 | 2794.2 | 2794.2 | 2794.2 |
| 1° | 2786.5 | 2791.1 | 2789.6 | 2791.1 | 2789.6 |
| 2° | 2772.8 | 2775.8 | 2772.8 | 2774.3 | 2774.3 |
| 3° | 2743.8 | 2746.8 | 2746.8 | 2745.3 | 2743.8 |
| 4° | 2708.7 | 2716.3 | 2708.7 | 2710.2 | 2705.6 |
| 5° | 2659.8 | 2665.9 | 2655.2 | 2656.7 | 2659.8 |
| 6° | 2600.2 | 2601.8 | 2598.7 | 2597.2 | 2594.1 |
| 7° | 2531.5 | 2537.6 | 2527.0 | 2528.5 | 2525.4 |
| 8° | 2458.3 | 2456.7 | 2456.7 | 2450.6 | 2441.5 |
| 9° | 2369.7 | 2375.8 | 2366.6 | 2363.6 | 2365.1 |
| 10° | 2282.7 | 2282.7 | 2275.0 | 2267.4 | 2272.0 |
| 11° | 2183.4 | 2180.4 | 2175.8 | 2165.1 | 2162.0 |
| 12° | 2075.0 | 2081.1 | 2067.4 | 2062.8 | 2052.1 |
| 13° | 1963.5 | 1972.7 | 1966.6 | 1949.8 | 1951.3 |
| 14° | 1859.7 | 1853.6 | 1849.0 | 1846.0 | 1835.3 |
| 15° | 1754.4 | 1751.3 | 1740.6 | 1733.0 | 1713.1 |
| 17.5° | 1465.8 | 1468.8 | 1449.0 | 1445.9 | 1438.3 |
| 20° | 1194.0 | 1184.8 | 1183.3 | 1184.8 | 1175.7 |
| 22.5° | 942.1 | 951.2 | 940.5 | 942.1 | 936.0 |
| 25° | 731.4 | 732.9 | 735.9 | 735.9 | 731.4 |
| 27.5° | 568.0 | 568.0 | 564.9 | 568.0 | 563.4 |
| 30° | 430.6 | 430.6 | 433.6 | 436.7 | 430.6 |
| 32.5° | 332.9 | 332.9 | 332.9 | 334.4 | 335.9 |
| 35° | 251.9 | 251.9 | 253.5 | 253.5 | 253.5 |
| 37.5° | 193.9 | 195.4 | 197.0 | 197.0 | 197.0 |
| 40° | 149.6 | 151.2 | 151.2 | 152.7 | 151.2 |
| 42.5° | 119.1 | 119.1 | 119.1 | 120.6 | 120.6 |
| 45° | 93.1 | 94.7 | 94.7 | 96.2 | 96.2 |
| 47.5° | 76.3 | 76.3 | 76.3 | 77.9 | 77.9 |
| 50° | 61.1 | 62.6 | 62.6 | 62.6 | 62.6 |
| 52.5° | 50.4 | 50.4 | 51.9 | 51.9 | 51.9 |
| 55° | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| 57.5° | 35.1 | 36.6 | 36.6 | 36.6 | 36.6 |
| 60° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 62.5° | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 65° | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 |
| 67.5° | 18.3 | 19.8 | 19.8 | 19.8 | 19.8 |
| 70° | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 72.5° | 12.2 | 13.7 | 13.7 | 13.7 | 13.7 |
| 75° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 77.5° | 9.2 | 7.6 | 7.6 | 7.6 | 9.2 |
| 80° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 82.5° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 85° | 1.5 | 1.5 | 1.5 | 1.5 | 3.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |



TEST NUMBER: P1318669
CATALOG NUMBER: LDSQA3D20R359830D010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)