

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: P1306686

Luminaire Tested: LDSQA3D02R359024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

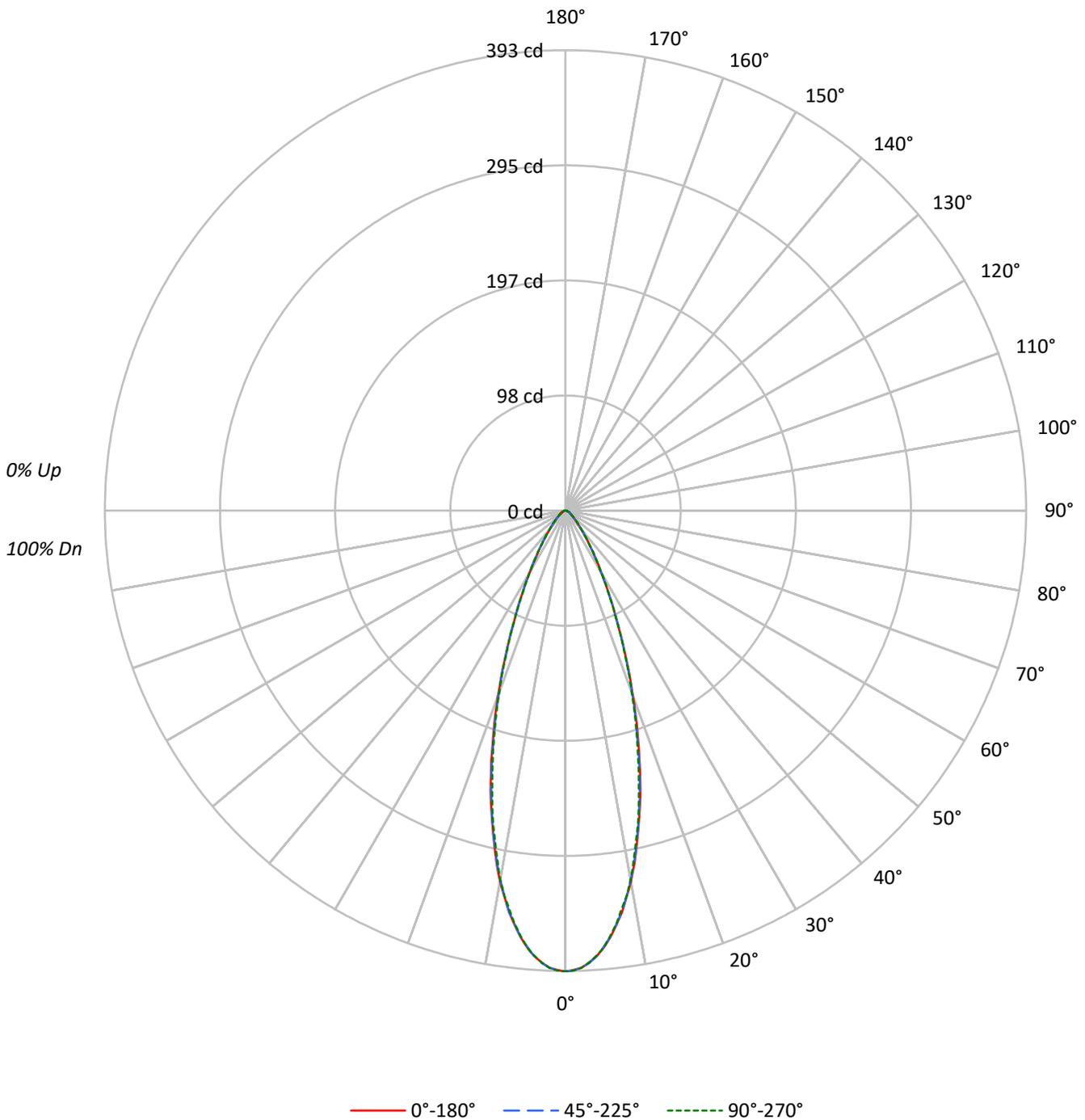
Test Method: LM-79-2019  
Report Number: P1306686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359024DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 194.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 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): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1306686  
CATALOG NUMBER: LDSQA3D02R359024DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1306686

CATALOG NUMBER: LDSQA3D02R359024DE010 3LSQPHRL1MW

**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 | 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  | 96  | 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°  | 67752 | 67752 | 67752 |
| 5°  | 64744 | 64623 | 64744 |
| 10° | 56206 | 56014 | 55944 |
| 15° | 44040 | 43701 | 43005 |
| 20° | 30809 | 30534 | 30332 |
| 25° | 19573 | 19687 | 19573 |
| 30° | 12051 | 12131 | 12051 |
| 35° | 7464  | 7506  | 7506  |
| 40° | 4744  | 4789  | 4789  |
| 45° | 3191  | 3239  | 3288  |
| 50° | 2304  | 2358  | 2358  |
| 55° | 1802  | 1802  | 1802  |
| 60° | 1481  | 1481  | 1481  |
| 65° | 1304  | 1304  | 1304  |
| 70° | 1209  | 1209  | 1209  |
| 75° | 998   | 998   | 998   |
| 80° | 893   | 893   | 893   |
| 85° | 395   | 395   | 790   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 3288 cd/sqm



TEST NUMBER: P1306686

CATALOG NUMBER: LDSQA3D02R359024DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.0   | 17.5      |
| 10°-20°   | 66.9   | 34.5      |
| 20°-30°   | 48.3   | 24.9      |
| 30°-40°   | 23.3   | 12.0      |
| 40°-50°   | 10.7   | 5.5       |
| 50°-60°   | 5.6    | 2.9       |
| 60°-70°   | 3.2    | 1.7       |
| 70°-80°   | 1.6    | 0.8       |
| 80°-90°   | 0.4    | 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°    | 149.2  | 76.9      |
| 0°-40°    | 172.5  | 88.9      |
| 0°-60°    | 188.8  | 97.3      |
| 0°-90°    | 194.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 194.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 393 | 393   | 393 | 393   | 393 |      |
| 5°  | 374 | 375   | 374 | 374   | 374 | 34   |
| 15° | 247 | 247   | 245 | 244   | 241 | 67   |
| 25° | 103 | 103   | 104 | 104   | 103 | 48   |
| 35° | 36  | 36    | 36  | 36    | 36  | 23   |
| 45° | 13  | 13    | 13  | 14    | 14  | 11   |
| 55° | 6   | 6     | 6   | 6     | 6   | 5    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P1306686

CATALOG NUMBER: LDSQA3D02R359024DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 393.4 | 393.4 | 393.4 | 393.4 | 393.4 |
| 1°    | 392.3 | 392.9 | 392.7 | 392.9 | 392.7 |
| 2°    | 390.4 | 390.8 | 390.4 | 390.6 | 390.6 |
| 3°    | 386.3 | 386.7 | 386.7 | 386.5 | 386.3 |
| 4°    | 381.3 | 382.4 | 381.3 | 381.5 | 380.9 |
| 5°    | 374.5 | 375.3 | 373.8 | 374.0 | 374.5 |
| 6°    | 366.1 | 366.3 | 365.9 | 365.6 | 365.2 |
| 7°    | 356.4 | 357.3 | 355.8 | 356.0 | 355.5 |
| 8°    | 346.1 | 345.9 | 345.9 | 345.0 | 343.7 |
| 9°    | 333.6 | 334.5 | 333.2 | 332.8 | 333.0 |
| 10°   | 321.4 | 321.4 | 320.3 | 319.2 | 319.9 |
| 11°   | 307.4 | 307.0 | 306.3 | 304.8 | 304.4 |
| 12°   | 292.1 | 293.0 | 291.1 | 290.4 | 288.9 |
| 13°   | 276.4 | 277.7 | 276.9 | 274.5 | 274.7 |
| 14°   | 261.8 | 261.0 | 260.3 | 259.9 | 258.4 |
| 15°   | 247.0 | 246.6 | 245.1 | 244.0 | 241.2 |
| 17.5° | 206.4 | 206.8 | 204.0 | 203.6 | 202.5 |
| 20°   | 168.1 | 166.8 | 166.6 | 166.8 | 165.5 |
| 22.5° | 132.6 | 133.9 | 132.4 | 132.6 | 131.8 |
| 25°   | 103.0 | 103.2 | 103.6 | 103.6 | 103.0 |
| 27.5° | 80.0  | 80.0  | 79.5  | 80.0  | 79.3  |
| 30°   | 60.6  | 60.6  | 61.0  | 61.5  | 60.6  |
| 32.5° | 46.9  | 46.9  | 46.9  | 47.1  | 47.3  |
| 35°   | 35.5  | 35.5  | 35.7  | 35.7  | 35.7  |
| 37.5° | 27.3  | 27.5  | 27.7  | 27.7  | 27.7  |
| 40°   | 21.1  | 21.3  | 21.3  | 21.5  | 21.3  |
| 42.5° | 16.8  | 16.8  | 16.8  | 17.0  | 17.0  |
| 45°   | 13.1  | 13.3  | 13.3  | 13.5  | 13.5  |
| 47.5° | 10.7  | 10.7  | 10.7  | 11.0  | 11.0  |
| 50°   | 8.6   | 8.8   | 8.8   | 8.8   | 8.8   |
| 52.5° | 7.1   | 7.1   | 7.3   | 7.3   | 7.3   |
| 55°   | 6.0   | 6.0   | 6.0   | 6.0   | 6.0   |
| 57.5° | 4.9   | 5.2   | 5.2   | 5.2   | 5.2   |
| 60°   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 62.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 65°   | 3.2   | 3.2   | 3.2   | 3.2   | 3.2   |
| 67.5° | 2.6   | 2.8   | 2.8   | 2.8   | 2.8   |
| 70°   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 72.5° | 1.7   | 1.9   | 1.9   | 1.9   | 1.9   |
| 75°   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 77.5° | 1.3   | 1.1   | 1.1   | 1.1   | 1.3   |
| 80°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |



TEST NUMBER: P1306686  
CATALOG NUMBER: LDSQA3D02R359024DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)