

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: P1315150

Luminaire Tested: LDSQA3D02R359735DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315150  
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: LDSQA3D02R359735DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

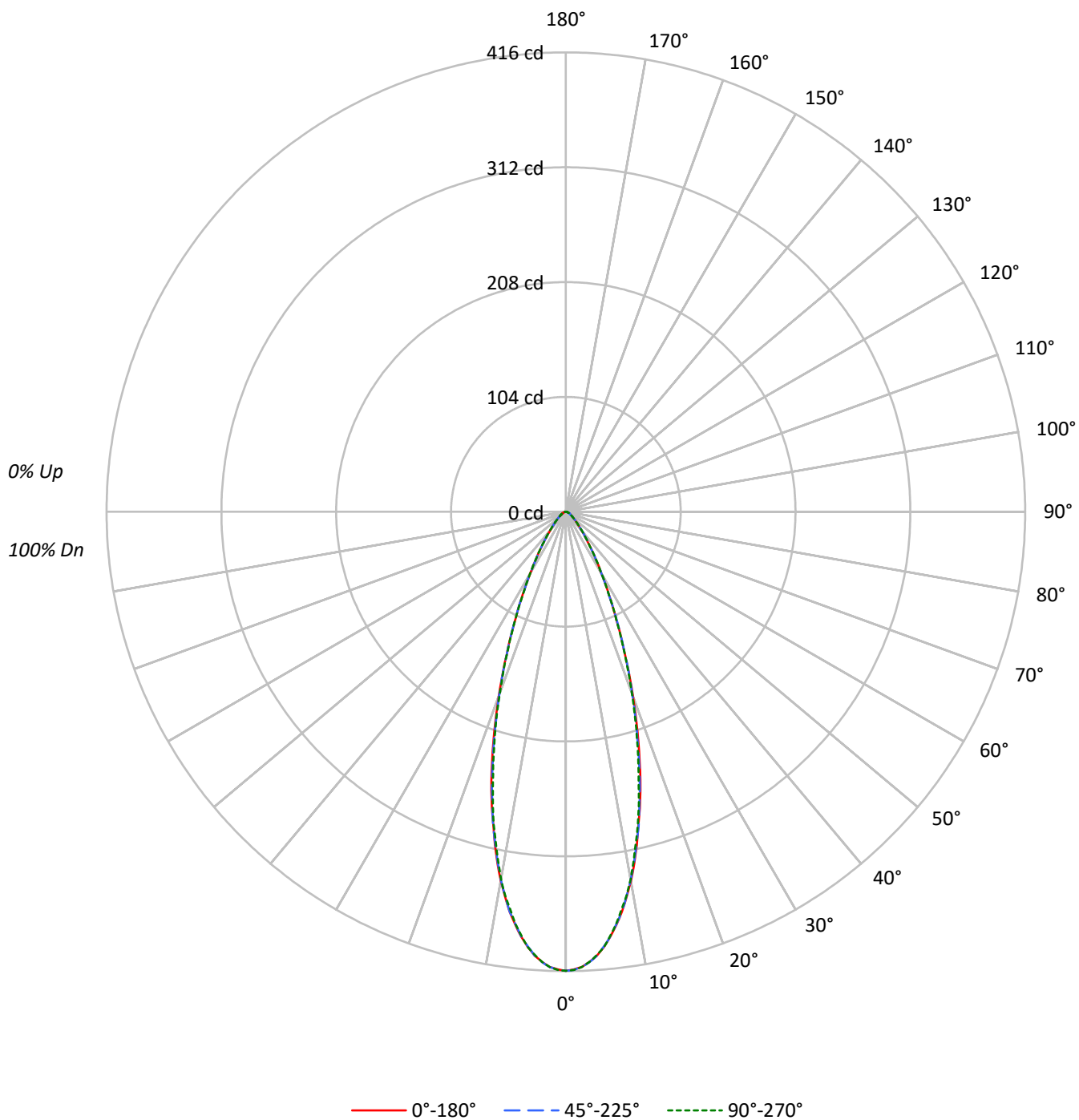
Lumens per Lamp: N/A  
Luminaire Lumens: 205.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (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

TEST NUMBER: P1315150

CATALOG NUMBER: LDSQA3D02R359735DE010 3LSQPHRL1MMS

### 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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 71593 | 71593 | 71593 |
| 5°  | 68409 | 68288 | 68409 |
| 10° | 59389 | 59179 | 59109 |
| 15° | 46536 | 46161 | 45448 |
| 20° | 32550 | 32256 | 32055 |
| 25° | 20675 | 20808 | 20675 |
| 30° | 12747 | 12827 | 12747 |
| 35° | 7884  | 7926  | 7926  |
| 40° | 5014  | 5058  | 5058  |
| 45° | 3385  | 3434  | 3483  |
| 50° | 2438  | 2492  | 2492  |
| 55° | 1922  | 1922  | 1922  |
| 60° | 1550  | 1550  | 1550  |
| 65° | 1386  | 1386  | 1386  |
| 70° | 1259  | 1259  | 1259  |
| 75° | 1065  | 1065  | 1065  |
| 80° | 893   | 893   | 893   |
| 85° | 395   | 395   | 988   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3483 cd/sqm

TEST NUMBER: P1315150

CATALOG NUMBER: LDSQA3D02R359735DE010 3LSQPHRL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.9   | 17.5      |
| 10°-20°   | 70.7   | 34.5      |
| 20°-30°   | 51.0   | 24.9      |
| 30°-40°   | 24.6   | 12.0      |
| 40°-50°   | 11.3   | 5.5       |
| 50°-60°   | 5.9    | 2.9       |
| 60°-70°   | 3.4    | 1.7       |
| 70°-80°   | 1.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 157.7  | 76.9      |
| 0°-40°    | 182.3  | 88.9      |
| 0°-60°    | 199.5  | 97.3      |
| 0°-90°    | 205.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 205.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 416 | 416   | 416 | 416   | 416 |      |
| 5°  | 396 | 397   | 395 | 395   | 396 | 36   |
| 15° | 261 | 260   | 259 | 258   | 255 | 71   |
| 25° | 109 | 109   | 110 | 110   | 109 | 51   |
| 35° | 38  | 38    | 38  | 38    | 38  | 24   |
| 45° | 14  | 14    | 14  | 14    | 14  | 11   |
| 55° | 6   | 6     | 6   | 6     | 6   | 6    |
| 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: P1315150

CATALOG NUMBER: LDSQA3D02R359735DE010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 415.7 | 415.7 | 415.7 | 415.7 | 415.7 |
| 1°    | 414.5 | 415.2 | 415.0 | 415.2 | 415.0 |
| 2°    | 412.5 | 413.0 | 412.5 | 412.7 | 412.7 |
| 3°    | 408.2 | 408.6 | 408.6 | 408.4 | 408.2 |
| 4°    | 403.0 | 404.1 | 403.0 | 403.2 | 402.5 |
| 5°    | 395.7 | 396.6 | 395.0 | 395.2 | 395.7 |
| 6°    | 386.8 | 387.1 | 386.6 | 386.4 | 385.9 |
| 7°    | 376.6 | 377.5 | 375.9 | 376.2 | 375.7 |
| 8°    | 365.7 | 365.5 | 365.5 | 364.6 | 363.2 |
| 9°    | 352.5 | 353.4 | 352.1 | 351.6 | 351.8 |
| 10°   | 339.6 | 339.6 | 338.4 | 337.3 | 338.0 |
| 11°   | 324.8 | 324.4 | 323.7 | 322.1 | 321.6 |
| 12°   | 308.7 | 309.6 | 307.6 | 306.9 | 305.3 |
| 13°   | 292.1 | 293.5 | 292.6 | 290.1 | 290.3 |
| 14°   | 276.7 | 275.8 | 275.1 | 274.6 | 273.0 |
| 15°   | 261.0 | 260.5 | 258.9 | 257.8 | 254.9 |
| 17.5° | 218.1 | 218.5 | 215.6 | 215.1 | 214.0 |
| 20°   | 177.6 | 176.3 | 176.0 | 176.3 | 174.9 |
| 22.5° | 140.1 | 141.5 | 139.9 | 140.1 | 139.2 |
| 25°   | 108.8 | 109.0 | 109.5 | 109.5 | 108.8 |
| 27.5° | 84.5  | 84.5  | 84.0  | 84.5  | 83.8  |
| 30°   | 64.1  | 64.1  | 64.5  | 65.0  | 64.1  |
| 32.5° | 49.5  | 49.5  | 49.5  | 49.7  | 50.0  |
| 35°   | 37.5  | 37.5  | 37.7  | 37.7  | 37.7  |
| 37.5° | 28.8  | 29.1  | 29.3  | 29.3  | 29.3  |
| 40°   | 22.3  | 22.5  | 22.5  | 22.7  | 22.5  |
| 42.5° | 17.7  | 17.7  | 17.7  | 17.9  | 17.9  |
| 45°   | 13.9  | 14.1  | 14.1  | 14.3  | 14.3  |
| 47.5° | 11.4  | 11.4  | 11.4  | 11.6  | 11.6  |
| 50°   | 9.1   | 9.3   | 9.3   | 9.3   | 9.3   |
| 52.5° | 7.5   | 7.5   | 7.7   | 7.7   | 7.7   |
| 55°   | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 57.5° | 5.2   | 5.5   | 5.5   | 5.5   | 5.5   |
| 60°   | 4.5   | 4.5   | 4.5   | 4.5   | 4.5   |
| 62.5° | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 65°   | 3.4   | 3.4   | 3.4   | 3.4   | 3.4   |
| 67.5° | 2.7   | 3.0   | 3.0   | 3.0   | 3.0   |
| 70°   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| 72.5° | 1.8   | 2.0   | 2.0   | 2.0   | 2.0   |
| 75°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 77.5° | 1.4   | 1.1   | 1.1   | 1.1   | 1.4   |
| 80°   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |
| 85°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   |



TEST NUMBER: P1315150

CATALOG NUMBER: LDSQA3D02R359735DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)