

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: P1310335

Luminaire Tested: LDSQA3D13R209035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209035DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

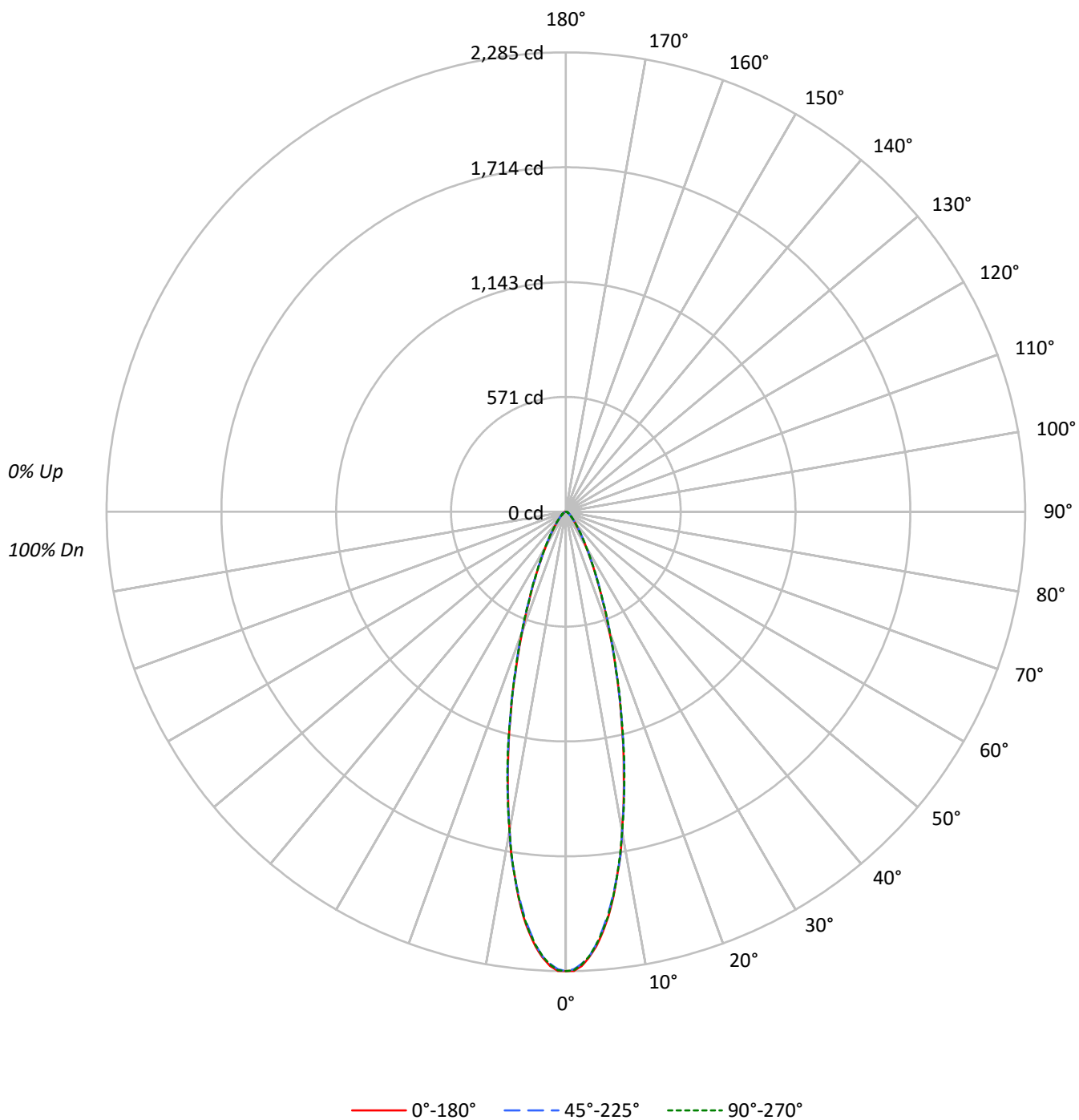
Lumens per Lamp: N/A  
Luminaire Lumens: 803.0 lumens  
Efficiency: N/A  
Efficacy: 55.0 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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: P1310335

CATALOG NUMBER: LDSQA3D13R209035DE010 3LSQPHRL1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1310335

CATALOG NUMBER: LDSQA3D13R209035DE010 3LSQPHRL1MMS

**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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 393529 | 393529 | 393529 |
| 5°  | 363049 | 360974 | 362185 |
| 10° | 281731 | 282081 | 282081 |
| 15° | 190422 | 191314 | 191314 |
| 20° | 115647 | 117113 | 117663 |
| 25° | 67840  | 68790  | 68600  |
| 30° | 39574  | 40370  | 40569  |
| 35° | 24178  | 24809  | 24809  |
| 40° | 15737  | 15962  | 16187  |
| 45° | 10960  | 11204  | 11447  |
| 50° | 8038   | 8306   | 8306   |
| 55° | 6305   | 6606   | 6606   |
| 60° | 5511   | 5511   | 5856   |
| 65° | 4890   | 4890   | 5298   |
| 70° | 4532   | 4532   | 4532   |
| 75° | 3993   | 3993   | 3993   |
| 80° | 2975   | 2975   | 3967   |
| 85° | 1976   | 1976   | 3952   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11447 cd/sqm

TEST NUMBER: P1310335

CATALOG NUMBER: LDSQA3D13R209035DE010 3LSQPHRL1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 184.3  | 22.9      |
| 10°-20°   | 295.1  | 36.7      |
| 20°-30°   | 170.9  | 21.3      |
| 30°-40°   | 76.6   | 9.5       |
| 40°-50°   | 36.3   | 4.5       |
| 50°-60°   | 19.9   | 2.5       |
| 60°-70°   | 12.1   | 1.5       |
| 70°-80°   | 6.5    | 0.8       |
| 80°-90°   | 1.4    | 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°    | 650.2  | 81.0      |
| 0°-40°    | 726.8  | 90.5      |
| 0°-60°    | 783.0  | 97.5      |
| 0°-90°    | 803.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 803.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2285 | 2285  | 2285 | 2285  | 2285 |      |
| 5°  | 2100 | 2093  | 2088 | 2092  | 2095 | 185  |
| 15° | 1068 | 1068  | 1073 | 1068  | 1073 | 294  |
| 25° | 357  | 357   | 362  | 359   | 361  | 169  |
| 35° | 115  | 116   | 118  | 119   | 118  | 75   |
| 45° | 45   | 45    | 46   | 46    | 47   | 36   |
| 55° | 21   | 21    | 22   | 22    | 22   | 19   |
| 65° | 12   | 12    | 12   | 12    | 13   | 12   |
| 75° | 6    | 6     | 6    | 6     | 6    | 6    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1310335

CATALOG NUMBER: LDSQA3D13R209035DE010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 22.5° | 45°  | 67.5° | 90°  |
|-------|------|-------|------|-------|------|
| 0°    | 2285 | 2285  | 2285 | 2285  | 2285 |
| 1°    | 2284 | 2278  | 2276 | 2274  | 2280 |
| 2°    | 2261 | 2254  | 2250 | 2252  | 2253 |
| 3°    | 2220 | 2216  | 2216 | 2213  | 2215 |
| 4°    | 2167 | 2159  | 2159 | 2160  | 2160 |
| 5°    | 2100 | 2093  | 2088 | 2092  | 2095 |
| 6°    | 2025 | 2016  | 2012 | 2013  | 2020 |
| 7°    | 1933 | 1921  | 1923 | 1928  | 1928 |
| 8°    | 1829 | 1828  | 1830 | 1828  | 1830 |
| 9°    | 1733 | 1719  | 1731 | 1721  | 1726 |
| 10°   | 1611 | 1610  | 1613 | 1616  | 1613 |
| 12.5° | 1333 | 1338  | 1340 | 1336  | 1345 |
| 15°   | 1068 | 1068  | 1073 | 1068  | 1073 |
| 17.5° | 831  | 830   | 834  | 830   | 836  |
| 20°   | 631  | 638   | 639  | 639   | 642  |
| 22.5° | 476  | 476   | 480  | 481   | 479  |
| 25°   | 357  | 357   | 362  | 359   | 361  |
| 27.5° | 264  | 266   | 270  | 272   | 272  |
| 30°   | 199  | 200   | 203  | 204   | 204  |
| 32.5° | 150  | 152   | 154  | 155   | 156  |
| 35°   | 115  | 116   | 118  | 119   | 118  |
| 37.5° | 88   | 89    | 91   | 92    | 92   |
| 40°   | 70   | 70    | 71   | 72    | 72   |
| 42.5° | 55   | 56    | 56   | 57    | 57   |
| 45°   | 45   | 45    | 46   | 46    | 47   |
| 47.5° | 36   | 36    | 37   | 38    | 38   |
| 50°   | 30   | 30    | 31   | 31    | 31   |
| 52.5° | 25   | 25    | 26   | 26    | 26   |
| 55°   | 21   | 21    | 22   | 22    | 22   |
| 57.5° | 18   | 18    | 19   | 19    | 19   |
| 60°   | 16   | 16    | 16   | 16    | 17   |
| 62.5° | 14   | 14    | 14   | 14    | 14   |
| 65°   | 12   | 12    | 12   | 12    | 13   |
| 67.5° | 10   | 10    | 10   | 10    | 11   |
| 70°   | 9    | 9     | 9    | 9     | 9    |
| 72.5° | 7    | 7     | 7    | 8     | 8    |
| 75°   | 6    | 6     | 6    | 6     | 6    |
| 77.5° | 5    | 5     | 5    | 5     | 5    |
| 80°   | 3    | 3     | 3    | 4     | 4    |
| 82.5° | 2    | 2     | 2    | 2     | 2    |
| 85°   | 1    | 1     | 1    | 1     | 2    |
| 87.5° | 0    | 0     | 0    | 1     | 1    |
| 90°   | 0    | 0     | 0    | 0     | 0    |

(END OF REPORT)