

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: P1318947

Luminaire Tested: LDSQA3D05R309835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

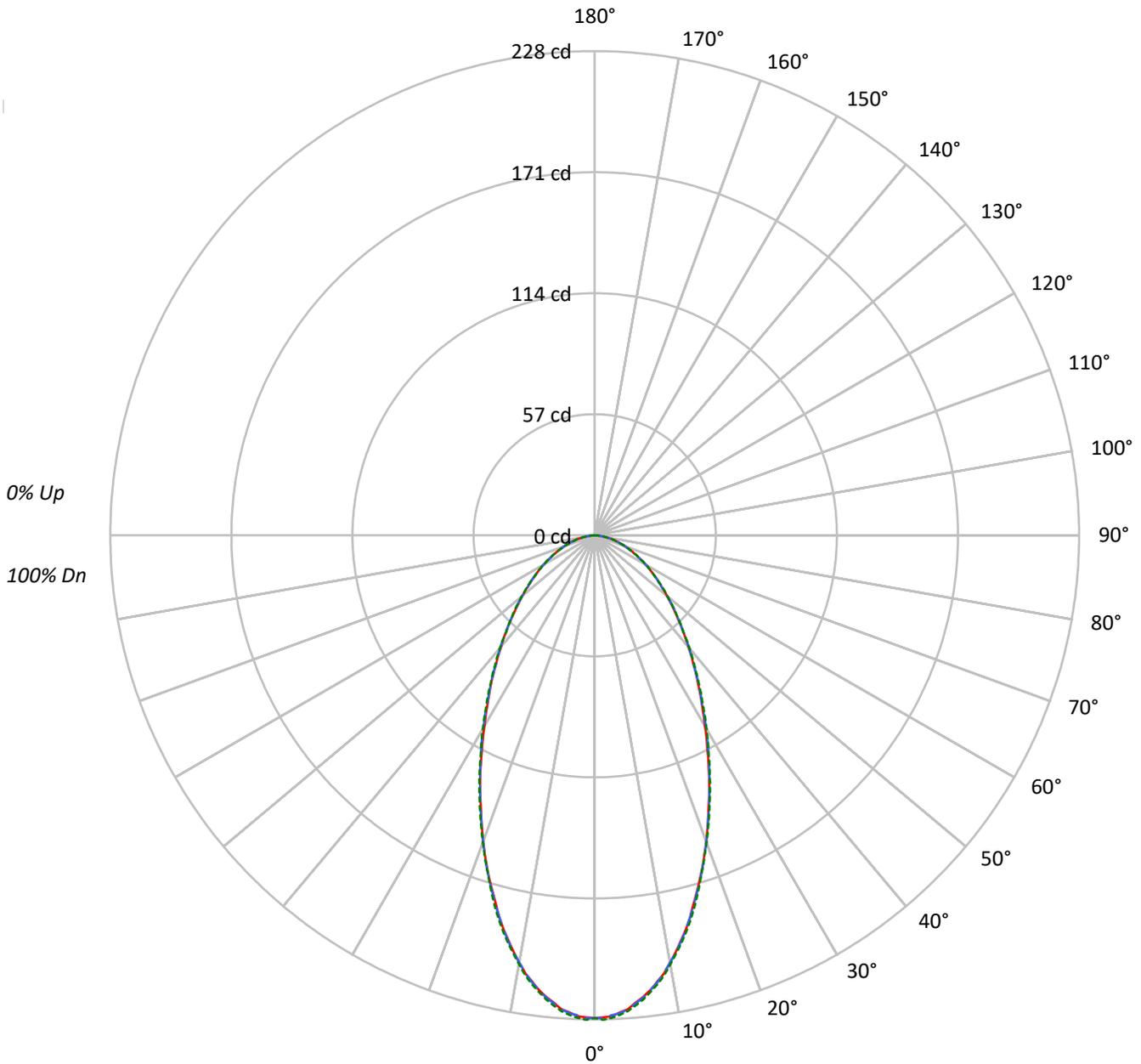
Test Method: LM-79-2019  
Report Number: P1318947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 292.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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



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



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 61  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 39163 | 39163 | 39163 |
| 5°  | 38189 | 38258 | 38414 |
| 10° | 35745 | 35745 | 35885 |
| 15° | 32040 | 32111 | 32343 |
| 20° | 28133 | 28133 | 28206 |
| 25° | 24247 | 24247 | 24399 |
| 30° | 20642 | 20881 | 20960 |
| 35° | 17829 | 17913 | 17997 |
| 40° | 15445 | 15535 | 15625 |
| 45° | 13469 | 13566 | 13566 |
| 50° | 11896 | 11896 | 12003 |
| 55° | 10659 | 10659 | 10659 |
| 60° | 9610  | 9610  | 9610  |
| 65° | 8558  | 8558  | 8558  |
| 70° | 7704  | 7704  | 7704  |
| 75° | 6987  | 6721  | 6721  |
| 80° | 6050  | 5653  | 5653  |
| 85° | 3952  | 3952  | 3952  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13566 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.6   | 7.1       |
| 10°-20°   | 50.2   | 17.2      |
| 20°-30°   | 58.6   | 20.1      |
| 30°-40°   | 53.3   | 18.3      |
| 40°-50°   | 43.1   | 14.8      |
| 50°-60°   | 31.8   | 10.9      |
| 60°-70°   | 21.0   | 7.2       |
| 70°-80°   | 10.8   | 3.7       |
| 80°-90°   | 2.5    | 0.8       |
| 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°    | 129.4  | 44.3      |
| 0°-40°    | 182.8  | 62.6      |
| 0°-60°    | 257.7  | 88.3      |
| 0°-90°    | 292.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 292.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 227 | 227   | 227 | 227   | 227 |      |
| 5°  | 221 | 221   | 221 | 221   | 222 | 21   |
| 15° | 180 | 180   | 180 | 180   | 181 | 50   |
| 25° | 128 | 127   | 128 | 128   | 128 | 58   |
| 35° | 85  | 84    | 85  | 85    | 86  | 53   |
| 45° | 55  | 56    | 56  | 56    | 56  | 43   |
| 55° | 36  | 35    | 36  | 35    | 36  | 32   |
| 65° | 21  | 21    | 21  | 21    | 21  | 21   |
| 75° | 10  | 10    | 10  | 10    | 10  | 11   |
| 85° | 2   | 2     | 2   | 2     | 2   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 227.4 | 227.4 | 227.4 | 227.4 | 227.4 |
| 1°    | 227.0 | 227.0 | 227.4 | 227.0 | 228.2 |
| 2°    | 226.6 | 226.2 | 226.2 | 226.2 | 227.4 |
| 3°    | 225.0 | 225.0 | 225.4 | 225.0 | 226.2 |
| 4°    | 223.8 | 223.4 | 223.8 | 223.4 | 224.6 |
| 5°    | 220.9 | 220.9 | 221.3 | 221.3 | 222.2 |
| 6°    | 218.5 | 218.5 | 218.9 | 218.5 | 219.7 |
| 7°    | 215.7 | 215.7 | 215.7 | 215.7 | 216.5 |
| 8°    | 212.1 | 212.1 | 212.5 | 212.5 | 213.3 |
| 9°    | 208.8 | 208.4 | 208.4 | 208.4 | 209.6 |
| 10°   | 204.4 | 204.4 | 204.4 | 204.4 | 205.2 |
| 11°   | 199.9 | 199.9 | 199.9 | 199.9 | 200.7 |
| 12°   | 195.1 | 195.1 | 195.5 | 195.1 | 196.3 |
| 13°   | 190.6 | 190.6 | 190.6 | 190.6 | 191.5 |
| 14°   | 185.4 | 185.0 | 185.4 | 185.4 | 186.6 |
| 15°   | 179.7 | 180.1 | 180.1 | 180.1 | 181.4 |
| 17.5° | 166.8 | 166.8 | 167.2 | 166.4 | 167.2 |
| 20°   | 153.5 | 153.1 | 153.5 | 153.5 | 153.9 |
| 22.5° | 139.8 | 140.2 | 140.2 | 140.2 | 141.0 |
| 25°   | 127.6 | 127.2 | 127.6 | 127.6 | 128.4 |
| 27.5° | 115.1 | 115.5 | 115.9 | 115.5 | 116.3 |
| 30°   | 103.8 | 104.6 | 105.0 | 104.2 | 105.4 |
| 32.5° | 93.7  | 93.7  | 94.1  | 94.5  | 94.9  |
| 35°   | 84.8  | 84.4  | 85.2  | 85.2  | 85.6  |
| 37.5° | 76.3  | 76.3  | 76.3  | 76.7  | 77.1  |
| 40°   | 68.7  | 68.7  | 69.1  | 69.1  | 69.5  |
| 42.5° | 61.8  | 61.4  | 61.8  | 61.8  | 61.8  |
| 45°   | 55.3  | 55.7  | 55.7  | 55.7  | 55.7  |
| 47.5° | 49.7  | 49.7  | 50.1  | 49.7  | 50.1  |
| 50°   | 44.4  | 44.4  | 44.4  | 44.4  | 44.8  |
| 52.5° | 39.6  | 39.6  | 39.6  | 39.6  | 40.0  |
| 55°   | 35.5  | 35.1  | 35.5  | 35.1  | 35.5  |
| 57.5° | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  |
| 60°   | 27.9  | 27.5  | 27.9  | 27.5  | 27.9  |
| 62.5° | 24.2  | 24.2  | 24.2  | 24.2  | 24.2  |
| 65°   | 21.0  | 21.0  | 21.0  | 21.0  | 21.0  |
| 67.5° | 18.2  | 18.2  | 18.2  | 17.8  | 17.8  |
| 70°   | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  |
| 72.5° | 12.9  | 12.5  | 12.5  | 12.5  | 12.5  |
| 75°   | 10.5  | 10.1  | 10.1  | 10.1  | 10.1  |
| 77.5° | 8.1   | 8.1   | 7.7   | 7.7   | 8.1   |
| 80°   | 6.1   | 5.7   | 5.7   | 5.7   | 5.7   |
| 82.5° | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   |
| 85°   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 87.5° | 0.4   | 0.4   | 0.4   | 0.8   | 0.8   |



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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)