

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: P1318909

Luminaire Tested: LDSQA3D05R209835DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209835DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

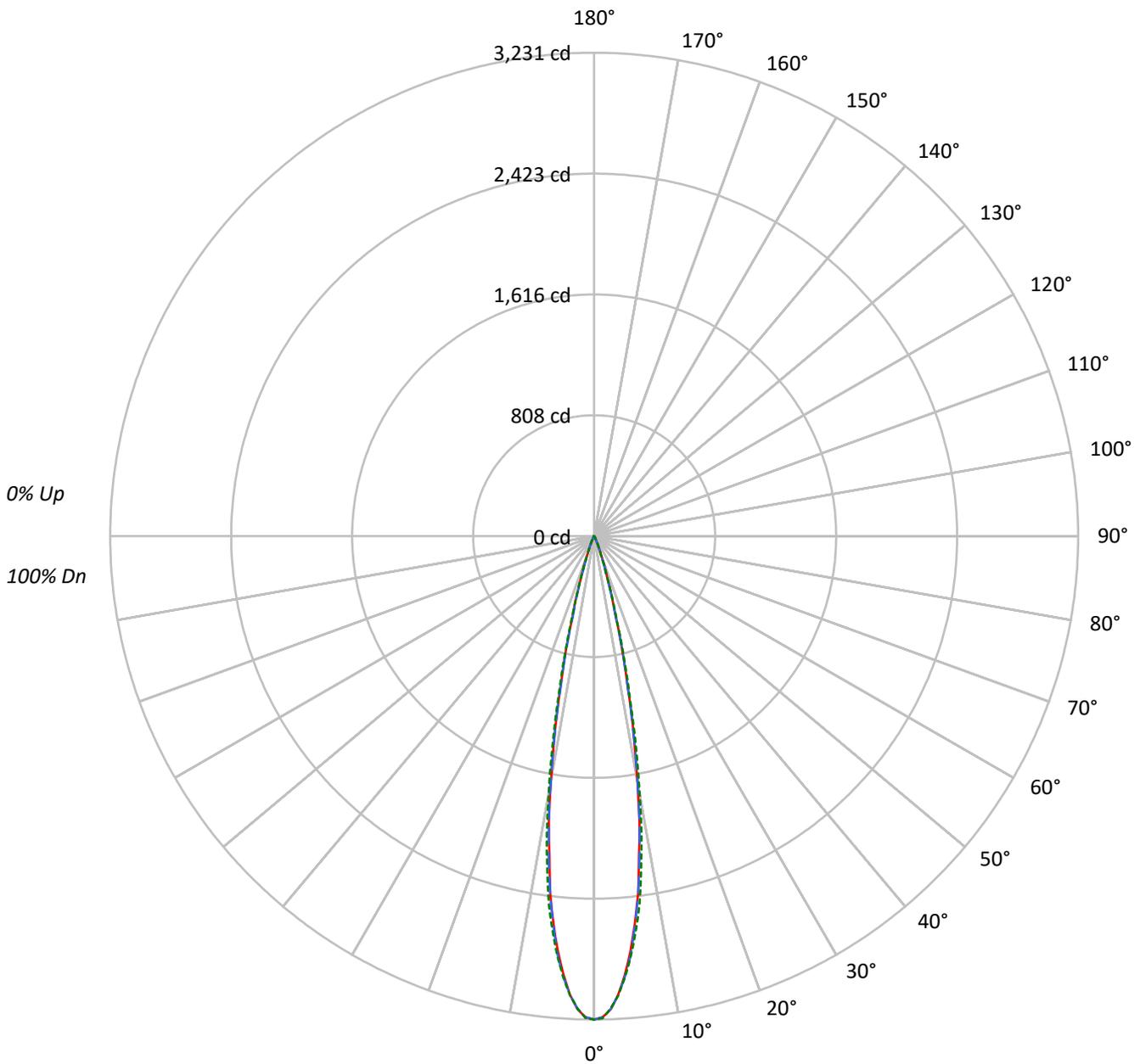
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 434.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
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 (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: P1318909  
CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQPHR1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1318909

CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQPHR1MW

**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  | 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 98  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 98  | 96  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 96  | 95  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 92  | 95  | 93  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 90  | 93  | 91  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 88  | 92  | 90  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 87  | 91  | 88  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 85  | 89  | 87  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 88  | 86  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 556503 | 556503 | 556503 |
| 5°  | 480746 | 485224 | 487039 |
| 10° | 289408 | 292101 | 306651 |
| 15° | 100096 | 97761  | 105552 |
| 20° | 26282  | 24724  | 24797  |
| 25° | 5739   | 6898   | 7867   |
| 30° | 2466   | 2466   | 2545   |
| 35° | 1388   | 1219   | 1304   |
| 40° | 607    | 697    | 787    |
| 45° | 195    | 292    | 292    |
| 50° | 107    | 107    | 107    |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 292 cd/sqm



TEST NUMBER: P1318909

CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQPHR1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 231.1  | 53.3      |
| 10°-20°   | 176.0  | 40.5      |
| 20°-30°   | 21.8   | 5.0       |
| 30°-40°   | 4.1    | 0.9       |
| 40°-50°   | 1.0    | 0.2       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 428.8  | 98.8      |
| 0°-40°    | 432.9  | 99.8      |
| 0°-60°    | 434.0  | 100.0     |
| 0°-90°    | 434.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 434.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3231 | 3231  | 3231 | 3231  | 3231 |      |
| 5°  | 2781 | 2779  | 2807 | 2805  | 2817 | 229  |
| 15° | 561  | 541   | 548  | 581   | 592  | 176  |
| 25° | 30   | 34    | 36   | 38    | 41   | 21   |
| 35° | 7    | 7     | 6    | 6     | 6    | 4    |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    | 0    |



TEST NUMBER: P1318909  
 CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3231.3 | 3231.3 | 3231.3 | 3231.3 | 3231.3 |
| 1°    | 3216.2 | 3212.3 | 3215.4 | 3208.8 | 3222.4 |
| 2°    | 3164.8 | 3160.9 | 3160.9 | 3157.0 | 3159.0 |
| 3°    | 3068.9 | 3075.0 | 3071.2 | 3063.1 | 3073.5 |
| 4°    | 2938.2 | 2945.1 | 2951.3 | 2951.7 | 2953.3 |
| 5°    | 2780.8 | 2778.9 | 2806.7 | 2804.8 | 2817.2 |
| 6°    | 2601.4 | 2599.1 | 2611.1 | 2631.2 | 2655.9 |
| 7°    | 2404.2 | 2376.0 | 2408.1 | 2448.7 | 2481.9 |
| 8°    | 2149.0 | 2156.4 | 2178.4 | 2226.3 | 2253.0 |
| 9°    | 1932.5 | 1889.6 | 1936.4 | 1993.6 | 2022.6 |
| 10°   | 1654.9 | 1620.1 | 1670.3 | 1730.7 | 1753.5 |
| 12.5° | 1041.6 | 1011.5 | 1027.7 | 1091.1 | 1101.2 |
| 15°   | 561.4  | 541.3  | 548.3  | 581.1  | 592.0  |
| 17.5° | 286.5  | 268.3  | 264.5  | 285.3  | 287.7  |
| 20°   | 143.4  | 139.2  | 134.9  | 136.9  | 135.3  |
| 22.5° | 66.5   | 72.3   | 71.5   | 67.7   | 72.3   |
| 25°   | 30.2   | 34.4   | 36.3   | 37.9   | 41.4   |
| 27.5° | 18.6   | 17.8   | 20.5   | 22.0   | 22.4   |
| 30°   | 12.4   | 12.0   | 12.4   | 12.8   | 12.8   |
| 32.5° | 8.9    | 8.5    | 8.1    | 8.1    | 8.5    |
| 35°   | 6.6    | 6.6    | 5.8    | 6.2    | 6.2    |
| 37.5° | 4.6    | 4.6    | 4.3    | 4.6    | 4.6    |
| 40°   | 2.7    | 3.1    | 3.1    | 3.1    | 3.5    |
| 42.5° | 1.5    | 1.9    | 1.9    | 1.9    | 1.9    |
| 45°   | 0.8    | 1.2    | 1.2    | 1.2    | 1.2    |
| 47.5° | 0.4    | 0.4    | 0.4    | 0.8    | 0.8    |
| 50°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)