

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: P1308283

Luminaire Tested: LDSQA3D17R309027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

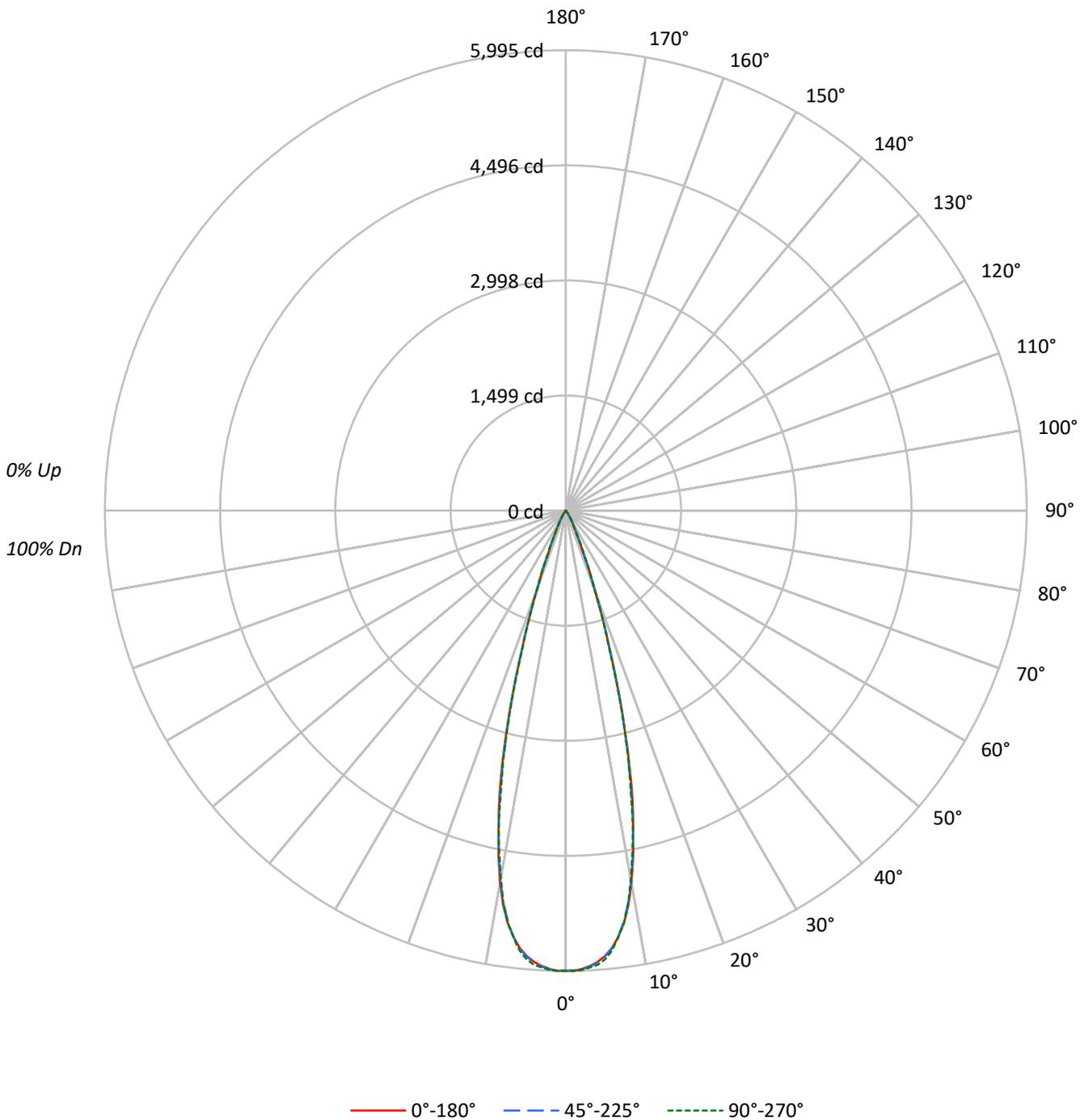
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1546.0 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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

TEST NUMBER: P1308283  
CATALOG NUMBER: LDSQA3D17R309027DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1308283

CATALOG NUMBER: LDSQA3D17R309027DE010 3LSQCDR1MB

**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 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 94 | 94 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 91 | 91 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88 | 88 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 86 | 86 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 83 | 83 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 81 | 81 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 79 | 79 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 77 | 77 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 75 | 75 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1031872 | 1031872 | 1031872 |
| 5°  | 1006700 | 1007962 | 1013564 |
| 10° | 859795  | 855808  | 850754  |
| 15° | 530597  | 524374  | 526318  |
| 20° | 200540  | 201640  | 201420  |
| 25° | 61683   | 67630   | 64438   |
| 30° | 24858   | 31560   | 25833   |
| 35° | 7338    | 13393   | 7590    |
| 40° | 2968    | 5396    | 2968    |
| 45° | 585     | 1754    | 585     |
| 50° | 0       | 322     | 0       |
| 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: 45°  
 Vertical Angle: 45°  
 Luminance: 1754 cd/sqm



TEST NUMBER: P1308283

CATALOG NUMBER: LDSQA3D17R309027DE010 3LSQCDR1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 528.4  | 34.2      |
| 10°-20°   | 782.4  | 50.6      |
| 20°-30°   | 194.1  | 12.6      |
| 30°-40°   | 36.4   | 2.4       |
| 40°-50°   | 4.6    | 0.3       |
| 50°-60°   | 0.0    | 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°    | 1504.9 | 97.3      |
| 0°-40°    | 1541.4 | 99.7      |
| 0°-60°    | 1546.0 | 100.0     |
| 0°-90°    | 1546.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1546.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5992 | 5992  | 5992 | 5992  | 5992 |      |
| 5°  | 5823 | 5821  | 5830 | 5840  | 5863 | 529  |
| 15° | 2976 | 2947  | 2941 | 2964  | 2952 | 786  |
| 25° | 325  | 346   | 356  | 355   | 339  | 187  |
| 35° | 35   | 46    | 64   | 47    | 36   | 29   |
| 45° | 2    | 4     | 7    | 5     | 2    | 3    |
| 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: P1308283

CATALOG NUMBER: LDSQA3D17R309027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5991.5 | 5991.5 | 5991.5 | 5991.5 | 5991.5 |
| 1°    | 5993.9 | 5989.1 | 5989.1 | 5981.9 | 5995.1 |
| 2°    | 5972.2 | 5967.4 | 5975.8 | 5969.8 | 5986.7 |
| 3°    | 5939.8 | 5933.8 | 5945.8 | 5949.4 | 5957.8 |
| 4°    | 5891.7 | 5886.9 | 5900.1 | 5907.3 | 5930.2 |
| 5°    | 5823.1 | 5820.7 | 5830.4 | 5840.0 | 5862.8 |
| 6°    | 5729.4 | 5725.7 | 5731.8 | 5743.8 | 5758.2 |
| 7°    | 5593.5 | 5586.3 | 5591.1 | 5593.5 | 5597.1 |
| 8°    | 5421.5 | 5410.7 | 5404.7 | 5417.9 | 5425.2 |
| 9°    | 5200.3 | 5188.3 | 5175.1 | 5170.2 | 5187.1 |
| 10°   | 4916.5 | 4898.5 | 4893.7 | 4881.7 | 4864.8 |
| 11°   | 4587.1 | 4572.7 | 4569.1 | 4547.4 | 4537.8 |
| 12°   | 4209.5 | 4202.3 | 4210.7 | 4197.5 | 4192.7 |
| 13°   | 3847.6 | 3801.9 | 3795.9 | 3770.7 | 3757.4 |
| 14°   | 3419.6 | 3377.5 | 3376.3 | 3363.1 | 3381.1 |
| 15°   | 2975.9 | 2947.0 | 2941.0 | 2963.9 | 2951.9 |
| 17.5° | 1897.4 | 1916.6 | 1911.8 | 1899.8 | 1879.3 |
| 20°   | 1094.2 | 1080.9 | 1100.2 | 1105.0 | 1099.0 |
| 22.5° | 583.2  | 588.0  | 591.6  | 606.0  | 615.6  |
| 25°   | 324.6  | 346.3  | 355.9  | 354.7  | 339.1  |
| 27.5° | 202.0  | 215.2  | 233.3  | 221.2  | 208.0  |
| 30°   | 125.0  | 135.9  | 158.7  | 137.1  | 129.9  |
| 32.5° | 67.3   | 85.4   | 102.2  | 85.4   | 69.7   |
| 35°   | 34.9   | 45.7   | 63.7   | 46.9   | 36.1   |
| 37.5° | 22.8   | 26.5   | 40.9   | 26.5   | 22.8   |
| 40°   | 13.2   | 16.8   | 24.0   | 16.8   | 13.2   |
| 42.5° | 6.0    | 9.6    | 13.2   | 9.6    | 6.0    |
| 45°   | 2.4    | 3.6    | 7.2    | 4.8    | 2.4    |
| 47.5° | 0.0    | 1.2    | 3.6    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.2    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    |



TEST NUMBER: P1308283  
CATALOG NUMBER: LDSQA3D17R309027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)