

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: PrentaLux

Report Number: P1245426

Luminaire Tested: PRLX-UNA-M-935-07L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-M-935-07L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

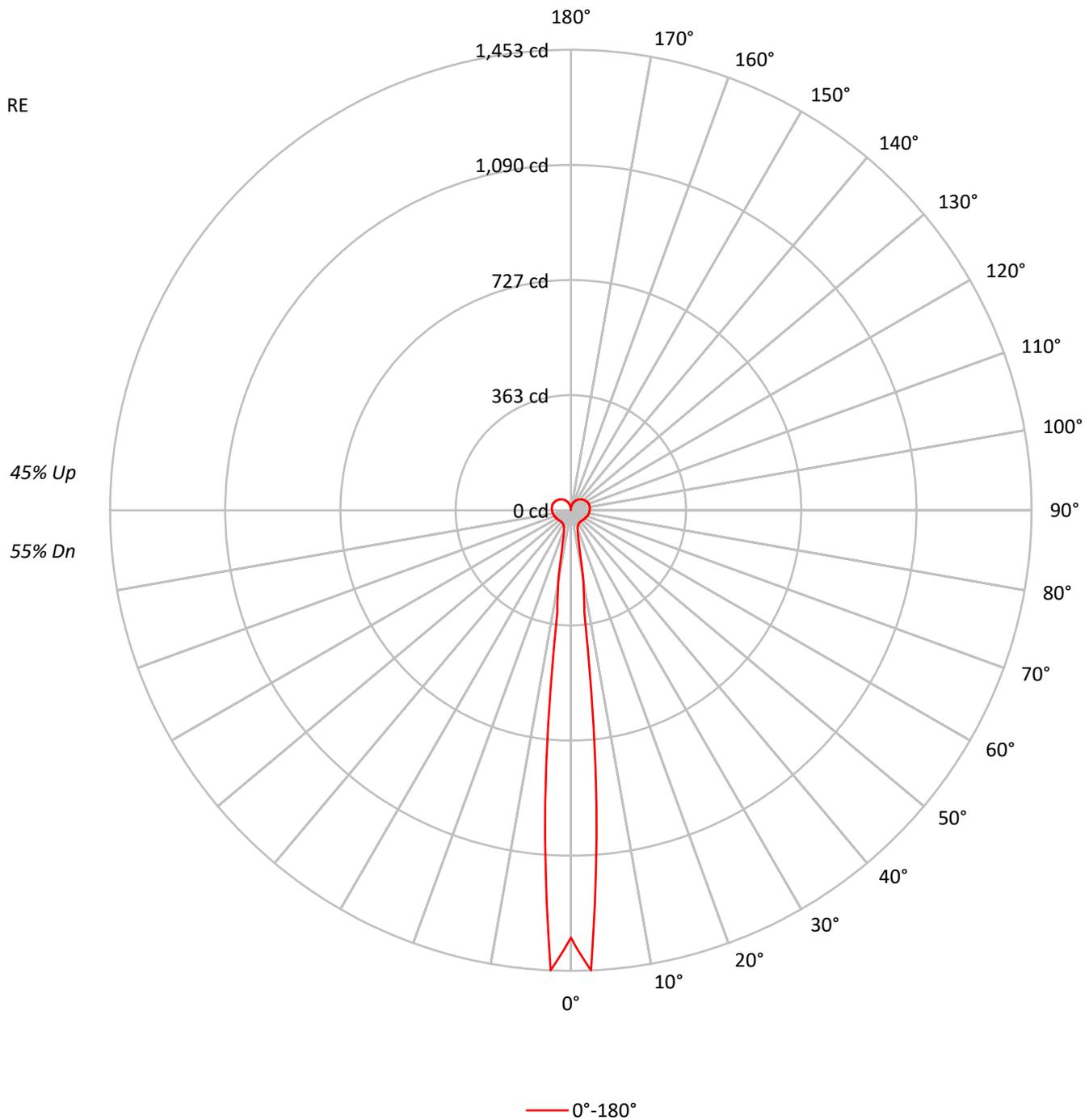
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 723.1 lumens  
Efficiency: N/A  
Efficacy: 25.0 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 28.9  
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: 28.75 FT

TEST NUMBER: P1245426  
CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

### Luminous Intensity Polar Plot





TEST NUMBER: P1245426

CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

**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   | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1   | 95  | 90  | 84  | 79  | 88  | 83  | 78  | 74  | 70 | 67 | 64 | 59 | 56 | 54 | 48 | 46 | 45 | 39 |
| 2   | 86  | 77  | 70  | 63  | 79  | 71  | 65  | 59  | 61 | 56 | 51 | 51 | 47 | 43 | 42 | 39 | 36 | 31 |
| 3   | 78  | 68  | 59  | 53  | 72  | 63  | 55  | 49  | 53 | 48 | 43 | 45 | 40 | 36 | 37 | 33 | 30 | 26 |
| 4   | 72  | 60  | 51  | 45  | 66  | 56  | 48  | 42  | 48 | 42 | 37 | 40 | 35 | 32 | 33 | 30 | 27 | 23 |
| 5   | 67  | 54  | 45  | 39  | 61  | 50  | 43  | 37  | 43 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 21 |
| 6   | 62  | 49  | 41  | 34  | 57  | 46  | 38  | 33  | 40 | 33 | 29 | 34 | 29 | 25 | 28 | 25 | 22 | 19 |
| 7   | 58  | 45  | 37  | 31  | 53  | 42  | 35  | 29  | 37 | 31 | 26 | 31 | 27 | 23 | 27 | 23 | 20 | 17 |
| 8   | 54  | 41  | 34  | 28  | 50  | 39  | 32  | 27  | 34 | 28 | 24 | 29 | 25 | 21 | 25 | 21 | 19 | 16 |
| 9   | 51  | 38  | 31  | 26  | 47  | 36  | 29  | 25  | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 24 | 21 | 26 | 22 | 19 | 23 | 19 | 17 | 15 |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 69112 |
| 5°  | 34981 |
| 10° | 6718  |
| 15° | 2254  |
| 20° | 1347  |
| 25° | 1029  |
| 30° | 847   |
| 35° | 763   |
| 40° | 697   |
| 45° | 670   |
| 50° | 651   |
| 55° | 638   |
| 60° | 644   |
| 65° | 641   |
| 70° | 655   |
| 75° | 675   |
| 80° | 687   |
| 85° | 705   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 728 cd/sqm



TEST NUMBER: P1245426

CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.9   | 8.3       |
| 10°-20°   | 28.8   | 4.0       |
| 20°-30°   | 24.9   | 3.4       |
| 30°-40°   | 29.9   | 4.1       |
| 40°-50°   | 37.0   | 5.1       |
| 50°-60°   | 44.9   | 6.2       |
| 60°-70°   | 52.5   | 7.3       |
| 70°-80°   | 59.5   | 8.2       |
| 80°-90°   | 63.8   | 8.8       |
| 90°-100°  | 65.5   | 9.1       |
| 100°-110° | 63.8   | 8.8       |
| 110°-120° | 57.9   | 8.0       |
| 120°-130° | 48.7   | 6.7       |
| 130°-140° | 37.7   | 5.2       |
| 140°-150° | 26.0   | 3.6       |
| 150°-160° | 15.1   | 2.1       |
| 160°-170° | 6.4    | 0.9       |
| 170°-180° | 0.9    | 0.1       |
| 0°-30°    | 113.5  | 15.7      |
| 0°-40°    | 143.4  | 19.8      |
| 0°-60°    | 225.2  | 31.2      |
| 0°-90°    | 401.0  | 55.5      |
| 90°-120°  | 187.2  | 25.9      |
| 90°-150°  | 299.6  | 41.4      |
| 90°-180°  | 322.0  | 44.5      |
| 0°-180°   | 723.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 1349 |      |
| 5°   | 929  | 60   |
| 15°  | 90   | 29   |
| 25°  | 54   | 25   |
| 35°  | 48   | 30   |
| 45°  | 48   | 37   |
| 55°  | 50   | 45   |
| 65°  | 53   | 52   |
| 75°  | 57   | 59   |
| 85°  | 58   | 48   |
| 90°  | 59   | 32   |
| 95°  | 60   | 49   |
| 105° | 60   | 64   |
| 115° | 58   | 58   |
| 125° | 55   | 49   |
| 135° | 49   | 38   |
| 145° | 41   | 26   |
| 155° | 33   | 15   |
| 165° | 22   | 6    |
| 175° | 7    | 1    |
| 180° | 1    |      |

TEST NUMBER: P1245426

CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1348.6 |
| 2.5°   | 1453.1 |
| 5°     | 928.8  |
| 7.5°   | 324.0  |
| 10°    | 224.3  |
| 12.5°  | 128.4  |
| 15°    | 90.1   |
| 17.5°  | 72.8   |
| 20°    | 62.3   |
| 22.5°  | 56.6   |
| 25°    | 53.7   |
| 27.5°  | 50.8   |
| 30°    | 48.9   |
| 32.5°  | 47.9   |
| 35°    | 47.9   |
| 37.5°  | 47.0   |
| 40°    | 47.0   |
| 42.5°  | 47.0   |
| 45°    | 47.9   |
| 47.5°  | 47.9   |
| 50°    | 48.9   |
| 52.5°  | 48.9   |
| 55°    | 49.8   |
| 57.5°  | 50.8   |
| 60°    | 51.8   |
| 62.5°  | 51.8   |
| 65°    | 52.7   |
| 67.5°  | 53.7   |
| 70°    | 54.6   |
| 72.5°  | 55.6   |
| 75°    | 56.6   |
| 77.5°  | 56.6   |
| 80°    | 57.5   |
| 82.5°  | 58.5   |
| 85°    | 58.5   |
| 87.5°  | 58.5   |
| 90°    | 59.4   |
| 92.5°  | 59.4   |
| 95°    | 60.4   |
| 97.5°  | 60.4   |
| 100°   | 60.4   |
| 102.5° | 60.4   |
| 105°   | 60.4   |
| 107.5° | 60.4   |
| 110°   | 59.4   |

TEST NUMBER: P1245426

CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 59.4 |
| 115°   | 58.5 |
| 117.5° | 57.5 |
| 120°   | 56.6 |
| 122.5° | 55.6 |
| 125°   | 54.6 |
| 127.5° | 52.7 |
| 130°   | 51.8 |
| 132.5° | 49.8 |
| 135°   | 48.9 |
| 137.5° | 47.0 |
| 140°   | 45.1 |
| 142.5° | 43.1 |
| 145°   | 41.2 |
| 147.5° | 39.3 |
| 150°   | 37.4 |
| 152.5° | 34.5 |
| 155°   | 32.6 |
| 157.5° | 29.7 |
| 160°   | 27.8 |
| 162.5° | 24.9 |
| 165°   | 22.0 |
| 167.5° | 19.2 |
| 170°   | 16.3 |
| 172.5° | 11.5 |
| 175°   | 6.7  |
| 177.5° | 2.9  |
| 180°   | 1.0  |



TEST NUMBER: P1245426

CATALOG NUMBER: PRLX-UNA-M-935-07L-U-OW

**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 5.6              | 6.6  | 6.5  | 7.5  | 8.7  | 5.6            | 6.6  | 6.5  | 7.5  | 8.7  |
|                 | 3H   | 8.6              | 9.5  | 9.5  | 10.5 | 11.7 | 8.6            | 9.5  | 9.5  | 10.5 | 11.7 |
|                 | 4H   | 10.1             | 11.0 | 11.0 | 11.9 | 13.1 | 10.1           | 11.0 | 11.0 | 11.9 | 13.1 |
|                 | 6H   | 11.6             | 12.4 | 12.5 | 13.3 | 14.6 | 11.6           | 12.4 | 12.5 | 13.3 | 14.6 |
|                 | 8H   | 12.3             | 13.1 | 13.2 | 14.0 | 15.3 | 12.3           | 13.1 | 13.2 | 14.0 | 15.3 |
|                 | 12H  | 13.0             | 13.7 | 13.9 | 14.7 | 15.9 | 13.0           | 13.7 | 13.9 | 14.7 | 15.9 |
| 4H              | 2H   | 6.4              | 7.2  | 7.3  | 8.2  | 9.4  | 6.4            | 7.2  | 7.3  | 8.2  | 9.4  |
|                 | 3H   | 9.6              | 10.3 | 10.5 | 11.3 | 12.5 | 9.6            | 10.3 | 10.5 | 11.3 | 12.5 |
|                 | 4H   | 11.2             | 11.9 | 12.1 | 12.9 | 14.1 | 11.2           | 11.9 | 12.1 | 12.9 | 14.1 |
|                 | 6H   | 12.8             | 13.5 | 13.8 | 14.5 | 15.7 | 12.8           | 13.5 | 13.8 | 14.5 | 15.7 |
|                 | 8H   | 13.7             | 14.2 | 14.6 | 15.2 | 16.5 | 13.7           | 14.2 | 14.6 | 15.2 | 16.5 |
|                 | 12H  | 14.4             | 15.0 | 15.4 | 16.0 | 17.3 | 14.4           | 15.0 | 15.4 | 16.0 | 17.3 |
| 8H              | 4H   | 11.7             | 12.3 | 12.7 | 13.3 | 14.6 | 11.7           | 12.3 | 12.7 | 13.3 | 14.6 |
|                 | 6H   | 13.6             | 14.1 | 14.5 | 15.1 | 16.4 | 13.6           | 14.1 | 14.5 | 15.1 | 16.4 |
|                 | 8H   | 14.5             | 15.0 | 15.5 | 16.0 | 17.3 | 14.5           | 15.0 | 15.5 | 16.0 | 17.3 |
|                 | 12H  | 15.5             | 15.9 | 16.5 | 16.9 | 18.2 | 15.5           | 15.9 | 16.5 | 16.9 | 18.2 |
| 12H             | 4H   | 11.8             | 12.4 | 12.8 | 13.4 | 14.7 | 11.8           | 12.4 | 12.8 | 13.4 | 14.7 |
|                 | 6H   | 13.8             | 14.2 | 14.7 | 15.2 | 16.5 | 13.8           | 14.2 | 14.7 | 15.2 | 16.5 |
|                 | 8H   | 14.8             | 15.2 | 15.8 | 16.2 | 17.5 | 14.8           | 15.2 | 15.8 | 16.2 | 17.5 |

(END OF REPORT)