

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: P1245438

Luminaire Tested: PRLX-UNA-M-940-06L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245438  
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-940-06L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, OPEN WEAVE SHADE TEXTU  
LIGHT LEVEL 4  
Light Source: -  
Ballast/Driver: -

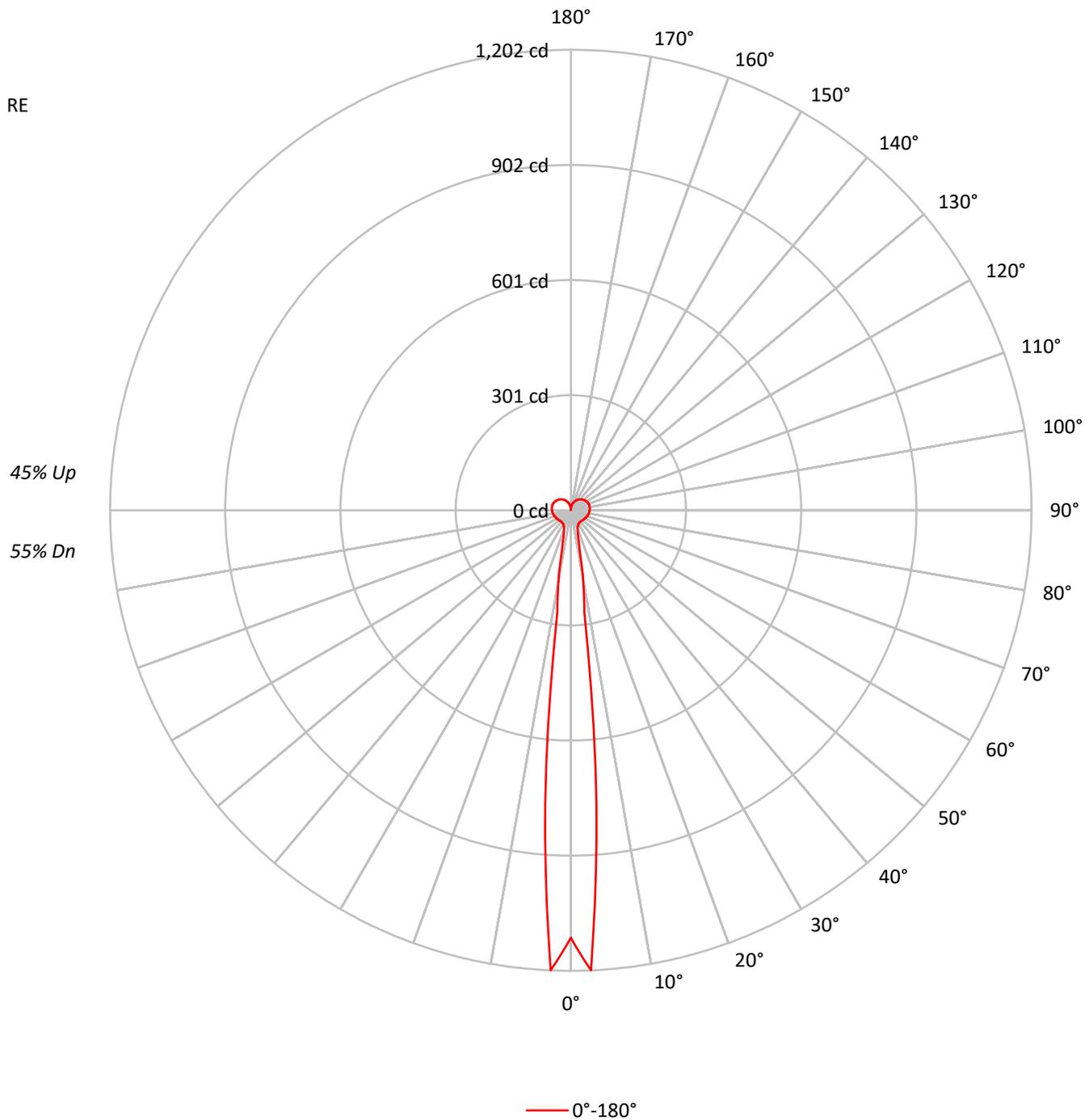
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 598.0 lumens  
Efficiency: N/A  
Efficacy: 28.1 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): 21.3  
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

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### Luminous Intensity Polar Plot





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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   | 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 |  | 30 | 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°  | 57166 |
| 5°  | 28932 |
| 10° | 5556  |
| 15° | 1864  |
| 20° | 1114  |
| 25° | 851   |
| 30° | 700   |
| 35° | 631   |
| 40° | 576   |
| 45° | 554   |
| 50° | 538   |
| 55° | 528   |
| 60° | 532   |
| 65° | 530   |
| 70° | 542   |
| 75° | 558   |
| 80° | 568   |
| 85° | 583   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 603 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.5   | 8.3       |
| 10°-20°   | 23.8   | 4.0       |
| 20°-30°   | 20.6   | 3.4       |
| 30°-40°   | 24.7   | 4.1       |
| 40°-50°   | 30.5   | 5.1       |
| 50°-60°   | 37.1   | 6.2       |
| 60°-70°   | 43.4   | 7.3       |
| 70°-80°   | 49.2   | 8.2       |
| 80°-90°   | 52.8   | 8.8       |
| 90°-100°  | 54.2   | 9.1       |
| 100°-110° | 52.7   | 8.8       |
| 110°-120° | 48.0   | 8.0       |
| 120°-130° | 40.3   | 6.7       |
| 130°-140° | 31.1   | 5.2       |
| 140°-150° | 21.5   | 3.6       |
| 150°-160° | 12.5   | 2.1       |
| 160°-170° | 5.3    | 0.9       |
| 170°-180° | 0.8    | 0.1       |
| 0°-30°    | 93.9   | 15.7      |
| 0°-40°    | 118.6  | 19.8      |
| 0°-60°    | 186.2  | 31.1      |
| 0°-90°    | 331.6  | 55.5      |
| 90°-120°  | 154.8  | 25.9      |
| 90°-150°  | 247.8  | 41.4      |
| 90°-180°  | 266.0  | 44.5      |
| 0°-180°   | 598.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 1116 |      |
| 5°   | 768  | 50   |
| 15°  | 74   | 24   |
| 25°  | 44   | 21   |
| 35°  | 40   | 25   |
| 45°  | 40   | 31   |
| 55°  | 41   | 37   |
| 65°  | 44   | 43   |
| 75°  | 47   | 49   |
| 85°  | 48   | 39   |
| 90°  | 49   | 27   |
| 95°  | 50   | 41   |
| 105° | 50   | 53   |
| 115° | 48   | 48   |
| 125° | 45   | 40   |
| 135° | 40   | 31   |
| 145° | 34   | 21   |
| 155° | 27   | 12   |
| 165° | 18   | 5    |
| 175° | 6    | 1    |
| 180° | 1    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1115.5 |
| 2.5°   | 1201.9 |
| 5°     | 768.2  |
| 7.5°   | 268.0  |
| 10°    | 185.5  |
| 12.5°  | 106.2  |
| 15°    | 74.5   |
| 17.5°  | 60.3   |
| 20°    | 51.5   |
| 22.5°  | 46.8   |
| 25°    | 44.4   |
| 27.5°  | 42.0   |
| 30°    | 40.4   |
| 32.5°  | 39.6   |
| 35°    | 39.6   |
| 37.5°  | 38.8   |
| 40°    | 38.8   |
| 42.5°  | 38.8   |
| 45°    | 39.6   |
| 47.5°  | 39.6   |
| 50°    | 40.4   |
| 52.5°  | 40.4   |
| 55°    | 41.2   |
| 57.5°  | 42.0   |
| 60°    | 42.8   |
| 62.5°  | 42.8   |
| 65°    | 43.6   |
| 67.5°  | 44.4   |
| 70°    | 45.2   |
| 72.5°  | 46.0   |
| 75°    | 46.8   |
| 77.5°  | 46.8   |
| 80°    | 47.6   |
| 82.5°  | 48.4   |
| 85°    | 48.4   |
| 87.5°  | 48.4   |
| 90°    | 49.2   |
| 92.5°  | 49.2   |
| 95°    | 49.9   |
| 97.5°  | 49.9   |
| 100°   | 49.9   |
| 102.5° | 49.9   |
| 105°   | 49.9   |
| 107.5° | 49.9   |
| 110°   | 49.2   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 49.2 |
| 115°   | 48.4 |
| 117.5° | 47.6 |
| 120°   | 46.8 |
| 122.5° | 46.0 |
| 125°   | 45.2 |
| 127.5° | 43.6 |
| 130°   | 42.8 |
| 132.5° | 41.2 |
| 135°   | 40.4 |
| 137.5° | 38.8 |
| 140°   | 37.3 |
| 142.5° | 35.7 |
| 145°   | 34.1 |
| 147.5° | 32.5 |
| 150°   | 30.9 |
| 152.5° | 28.5 |
| 155°   | 27.0 |
| 157.5° | 24.6 |
| 160°   | 23.0 |
| 162.5° | 20.6 |
| 165°   | 18.2 |
| 167.5° | 15.9 |
| 170°   | 13.5 |
| 172.5° | 9.5  |
| 175°   | 5.5  |
| 177.5° | 2.4  |
| 180°   | 0.8  |



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**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 | 4.9              | 5.9  | 5.8  | 6.9  | 8.1  | 4.9            | 5.9  | 5.8  | 6.9  | 8.1  |
|                 | 3H   | 7.9              | 8.9  | 8.8  | 9.8  | 11.0 | 7.9            | 8.9  | 8.8  | 9.8  | 11.0 |
|                 | 4H   | 9.4              | 10.3 | 10.4 | 11.3 | 12.5 | 9.4            | 10.3 | 10.4 | 11.3 | 12.5 |
|                 | 6H   | 10.9             | 11.7 | 11.8 | 12.7 | 13.9 | 10.9           | 11.7 | 11.8 | 12.7 | 13.9 |
|                 | 8H   | 11.6             | 12.4 | 12.6 | 13.4 | 14.6 | 11.6           | 12.4 | 12.6 | 13.4 | 14.6 |
|                 | 12H  | 12.3             | 13.1 | 13.3 | 14.0 | 15.3 | 12.3           | 13.1 | 13.3 | 14.0 | 15.3 |
| 4H              | 2H   | 5.7              | 6.6  | 6.6  | 7.5  | 8.7  | 5.7            | 6.6  | 6.6  | 7.5  | 8.7  |
|                 | 3H   | 8.9              | 9.7  | 9.8  | 10.6 | 11.9 | 8.9            | 9.7  | 9.8  | 10.6 | 11.9 |
|                 | 4H   | 10.5             | 11.3 | 11.5 | 12.2 | 13.5 | 10.5           | 11.3 | 11.5 | 12.2 | 13.5 |
|                 | 6H   | 12.2             | 12.8 | 13.1 | 13.8 | 15.0 | 12.2           | 12.8 | 13.1 | 13.8 | 15.0 |
|                 | 8H   | 13.0             | 13.6 | 13.9 | 14.6 | 15.8 | 13.0           | 13.6 | 13.9 | 14.6 | 15.8 |
|                 | 12H  | 13.8             | 14.3 | 14.8 | 15.3 | 16.6 | 13.8           | 14.3 | 14.8 | 15.3 | 16.6 |
| 8H              | 4H   | 11.1             | 11.7 | 12.0 | 12.6 | 13.9 | 11.1           | 11.7 | 12.0 | 12.6 | 13.9 |
|                 | 6H   | 12.9             | 13.4 | 13.9 | 14.4 | 15.7 | 12.9           | 13.4 | 13.9 | 14.4 | 15.7 |
|                 | 8H   | 13.9             | 14.3 | 14.9 | 15.3 | 16.6 | 13.9           | 14.3 | 14.9 | 15.3 | 16.6 |
|                 | 12H  | 14.9             | 15.3 | 15.8 | 16.3 | 17.6 | 14.9           | 15.3 | 15.8 | 16.3 | 17.6 |
| 12H             | 4H   | 11.2             | 11.7 | 12.2 | 12.7 | 14.0 | 11.2           | 11.7 | 12.2 | 12.7 | 14.0 |
|                 | 6H   | 13.1             | 13.6 | 14.1 | 14.6 | 15.9 | 13.1           | 13.6 | 14.1 | 14.6 | 15.9 |
|                 | 8H   | 14.1             | 14.6 | 15.1 | 15.6 | 16.9 | 14.1           | 14.6 | 15.1 | 15.6 | 16.9 |

(END OF REPORT)