

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: P1245134

Luminaire Tested: PRLX-NIM-M-927-03L-U-WO

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-M-927-03L-U-WO  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, WOVEN OVAL SHADE TEXTU  
LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

**Summary**

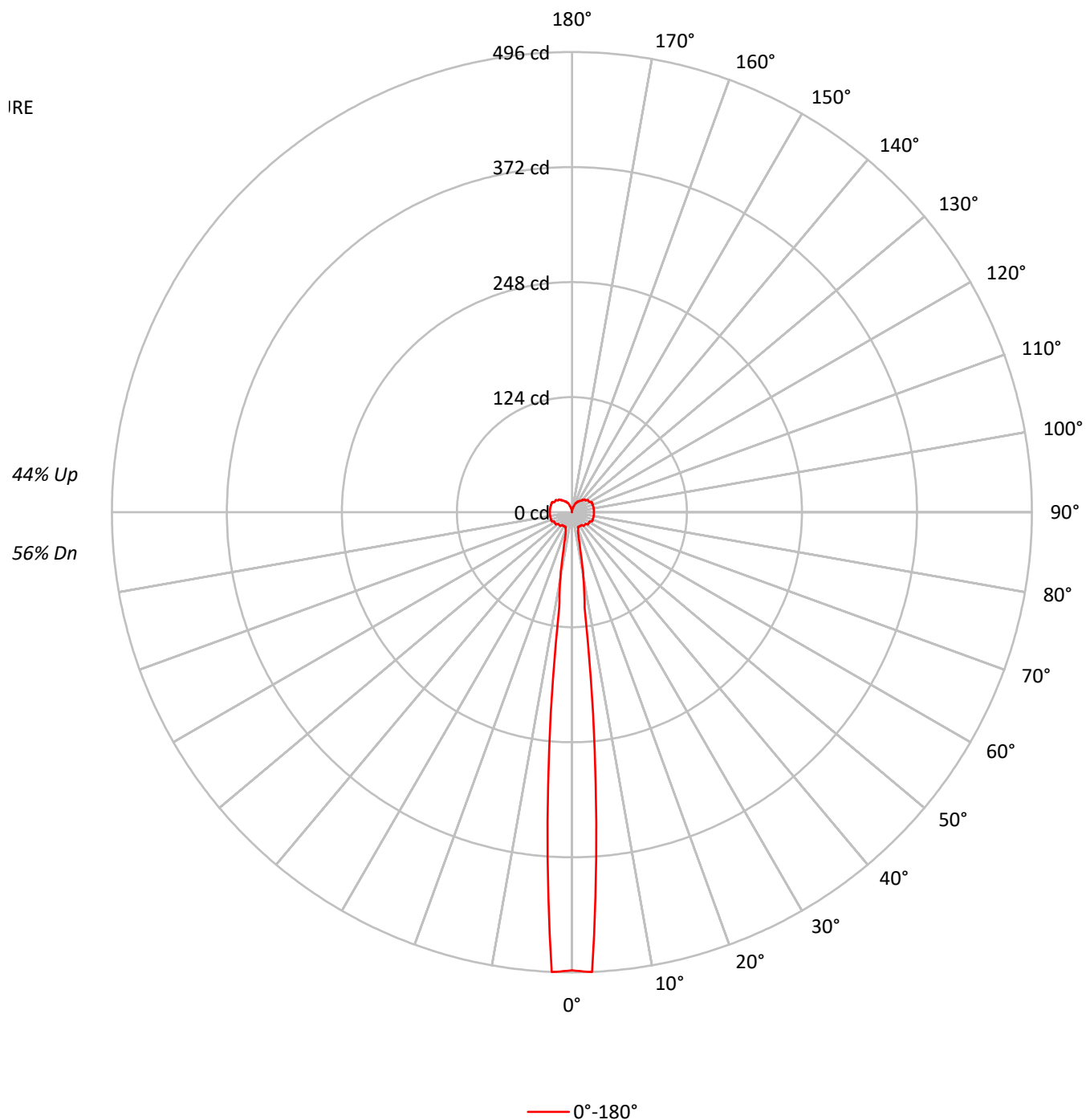
Lumens per Lamp: N/A  
Luminaire Lumens: 280.9 lumens  
Efficiency: N/A  
Efficacy: 25.3 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 11.1  
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 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50 | 30 | 10 |  | 50 | 30 | 10 |  | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |  |    |    |    |  |    |    |    |  |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 |  | 86 | 86 | 86 |  | 73 | 73 | 73 |  | 61 | 61 | 61 |
| 1   | 95  | 89  | 83  | 78  | 88  | 82  | 77  | 73  |  | 70 | 66 | 63 |  | 58 | 55 | 53 |  | 48 | 46 | 44 |
| 2   | 85  | 76  | 68  | 62  | 78  | 70  | 63  | 58  |  | 60 | 54 | 50 |  | 50 | 46 | 42 |  | 40 | 37 | 35 |
| 3   | 77  | 66  | 58  | 51  | 71  | 61  | 54  | 47  |  | 52 | 46 | 41 |  | 43 | 39 | 35 |  | 35 | 32 | 29 |
| 4   | 71  | 59  | 50  | 43  | 65  | 54  | 46  | 40  |  | 46 | 40 | 35 |  | 39 | 34 | 30 |  | 32 | 28 | 25 |
| 5   | 65  | 52  | 43  | 37  | 60  | 49  | 41  | 35  |  | 42 | 35 | 30 |  | 35 | 30 | 26 |  | 29 | 25 | 22 |
| 6   | 60  | 47  | 39  | 32  | 56  | 44  | 36  | 30  |  | 38 | 32 | 27 |  | 32 | 27 | 23 |  | 27 | 23 | 20 |
| 7   | 56  | 43  | 35  | 29  | 52  | 40  | 33  | 27  |  | 35 | 29 | 24 |  | 30 | 25 | 21 |  | 25 | 21 | 18 |
| 8   | 53  | 40  | 32  | 26  | 49  | 37  | 30  | 25  |  | 32 | 26 | 22 |  | 28 | 23 | 19 |  | 23 | 19 | 17 |
| 9   | 49  | 37  | 29  | 24  | 46  | 34  | 27  | 22  |  | 30 | 24 | 20 |  | 26 | 21 | 18 |  | 22 | 18 | 15 |
| 10  | 47  | 34  | 27  | 22  | 43  | 32  | 25  | 21  |  | 28 | 22 | 19 |  | 24 | 20 | 17 |  | 21 | 17 | 15 |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 25311 |
| 5°  | 11095 |
| 10° | 2141  |
| 15° | 706   |
| 20° | 422   |
| 25° | 332   |
| 30° | 300   |
| 35° | 276   |
| 40° | 289   |
| 45° | 273   |
| 50° | 260   |
| 55° | 278   |
| 60° | 270   |
| 65° | 290   |
| 70° | 286   |
| 75° | 284   |
| 80° | 284   |
| 85° | 287   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 90°  
Luminance: 292 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.7   | 7.0       |
| 10°-20°   | 9.0    | 3.2       |
| 20°-30°   | 8.1    | 2.9       |
| 30°-40°   | 11.1   | 3.9       |
| 40°-50°   | 15.1   | 5.4       |
| 50°-60°   | 19.2   | 6.8       |
| 60°-70°   | 22.9   | 8.1       |
| 70°-80°   | 25.2   | 9.0       |
| 80°-90°   | 26.0   | 9.2       |
| 90°-100°  | 26.0   | 9.2       |
| 100°-110° | 25.2   | 9.0       |
| 110°-120° | 23.4   | 8.3       |
| 120°-130° | 19.2   | 6.8       |
| 130°-140° | 14.5   | 5.2       |
| 140°-150° | 9.2    | 3.3       |
| 150°-160° | 5.3    | 1.9       |
| 160°-170° | 1.8    | 0.6       |
| 170°-180° | 0.2    | 0.1       |
| 0°-30°    | 36.8   | 13.1      |
| 0°-40°    | 47.8   | 17.0      |
| 0°-60°    | 82.2   | 29.3      |
| 0°-90°    | 156.2  | 55.6      |
| 90°-120°  | 74.5   | 26.5      |
| 90°-150°  | 117.5  | 41.8      |
| 90°-180°  | 125.0  | 44.5      |
| 0°-180°   | 280.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 494 |      |
| 5°   | 295 | 20   |
| 15°  | 28  | 9    |
| 25°  | 17  | 8    |
| 35°  | 17  | 11   |
| 45°  | 20  | 15   |
| 55°  | 22  | 19   |
| 65°  | 24  | 23   |
| 75°  | 24  | 25   |
| 85°  | 24  | 19   |
| 90°  | 24  | 13   |
| 95°  | 24  | 19   |
| 105° | 24  | 25   |
| 115° | 24  | 23   |
| 125° | 22  | 19   |
| 135° | 20  | 14   |
| 145° | 15  | 9    |
| 155° | 11  | 5    |
| 165° | 6   | 2    |
| 175° | 0   | 0    |
| 180° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 493.9 |
| 2.5°   | 496.1 |
| 5°     | 294.6 |
| 7.5°   | 104.0 |
| 10°    | 71.5  |
| 12.5°  | 41.2  |
| 15°    | 28.2  |
| 17.5°  | 21.7  |
| 20°    | 19.5  |
| 22.5°  | 17.3  |
| 25°    | 17.3  |
| 27.5°  | 17.3  |
| 30°    | 17.3  |
| 32.5°  | 17.3  |
| 35°    | 17.3  |
| 37.5°  | 17.3  |
| 40°    | 19.5  |
| 42.5°  | 19.5  |
| 45°    | 19.5  |
| 47.5°  | 19.5  |
| 50°    | 19.5  |
| 52.5°  | 21.7  |
| 55°    | 21.7  |
| 57.5°  | 21.7  |
| 60°    | 21.7  |
| 62.5°  | 21.7  |
| 65°    | 23.8  |
| 67.5°  | 23.8  |
| 70°    | 23.8  |
| 72.5°  | 23.8  |
| 75°    | 23.8  |
| 77.5°  | 23.8  |
| 80°    | 23.8  |
| 82.5°  | 23.8  |
| 85°    | 23.8  |
| 87.5°  | 23.8  |
| 90°    | 23.8  |
| 92.5°  | 23.8  |
| 95°    | 23.8  |
| 97.5°  | 23.8  |
| 100°   | 23.8  |
| 102.5° | 23.8  |
| 105°   | 23.8  |
| 107.5° | 23.8  |
| 110°   | 23.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 23.8 |
| 115°   | 23.8 |
| 117.5° | 23.8 |
| 120°   | 21.7 |
| 122.5° | 21.7 |
| 125°   | 21.7 |
| 127.5° | 21.7 |
| 130°   | 19.5 |
| 132.5° | 19.5 |
| 135°   | 19.5 |
| 137.5° | 17.3 |
| 140°   | 17.3 |
| 142.5° | 15.2 |
| 145°   | 15.2 |
| 147.5° | 13.0 |
| 150°   | 13.0 |
| 152.5° | 13.0 |
| 155°   | 10.8 |
| 157.5° | 10.8 |
| 160°   | 8.7  |
| 162.5° | 6.5  |
| 165°   | 6.5  |
| 167.5° | 4.3  |
| 170°   | 4.3  |
| 172.5° | 2.2  |
| 175°   | 0.0  |
| 177.5° | 0.0  |
| 180°   | 0.0  |

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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 | 2.9              | 4.0  | 3.8  | 4.9  | 6.1  | 2.9            | 4.0  | 3.8  | 4.9  | 6.1  |
|                 | 3H   | 6.1              | 7.0  | 7.0  | 7.9  | 9.2  | 6.1            | 7.0  | 7.0  | 7.9  | 9.2  |
|                 | 4H   | 7.5              | 8.4  | 8.4  | 9.3  | 10.6 | 7.5            | 8.4  | 8.4  | 9.3  | 10.6 |
|                 | 6H   | 8.9              | 9.7  | 9.8  | 10.7 | 11.9 | 8.9            | 9.7  | 9.8  | 10.7 | 11.9 |
|                 | 8H   | 9.6              | 10.4 | 10.5 | 11.3 | 12.6 | 9.6            | 10.4 | 10.5 | 11.3 | 12.6 |
|                 | 12H  | 10.2             | 11.0 | 11.1 | 11.9 | 13.2 | 10.2           | 11.0 | 11.1 | 11.9 | 13.2 |
| 4H              | 2H   | 3.8              | 4.7  | 4.7  | 5.6  | 6.8  | 3.8            | 4.7  | 4.7  | 5.6  | 6.8  |
|                 | 3H   | 7.0              | 7.8  | 8.0  | 8.8  | 10.0 | 7.0            | 7.8  | 8.0  | 8.8  | 10.0 |
|                 | 4H   | 8.6              | 9.3  | 9.5  | 10.3 | 11.5 | 8.6            | 9.3  | 9.5  | 10.3 | 11.5 |
|                 | 6H   | 10.2             | 10.8 | 11.1 | 11.8 | 13.0 | 10.2           | 10.8 | 11.1 | 11.8 | 13.0 |
|                 | 8H   | 10.9             | 11.5 | 11.9 | 12.5 | 13.8 | 10.9           | 11.5 | 11.9 | 12.5 | 13.8 |
|                 | 12H  | 11.7             | 12.2 | 12.6 | 13.2 | 14.5 | 11.7           | 12.2 | 12.6 | 13.2 | 14.5 |
| 8H              | 4H   | 9.1              | 9.7  | 10.1 | 10.7 | 12.0 | 9.1            | 9.7  | 10.1 | 10.7 | 12.0 |
|                 | 6H   | 10.9             | 11.4 | 11.8 | 12.4 | 13.7 | 10.9           | 11.4 | 11.8 | 12.4 | 13.7 |
|                 | 8H   | 11.8             | 12.2 | 12.7 | 13.2 | 14.5 | 11.8           | 12.2 | 12.7 | 13.2 | 14.5 |
|                 | 12H  | 12.7             | 13.1 | 13.7 | 14.1 | 15.4 | 12.7           | 13.1 | 13.7 | 14.1 | 15.4 |
| 12H             | 4H   | 9.2              | 9.8  | 10.2 | 10.8 | 12.0 | 9.2            | 9.8  | 10.2 | 10.8 | 12.0 |
|                 | 6H   | 11.0             | 11.5 | 12.0 | 12.5 | 13.8 | 11.0           | 11.5 | 12.0 | 12.5 | 13.8 |
|                 | 8H   | 12.0             | 12.5 | 13.0 | 13.5 | 14.8 | 12.0           | 12.5 | 13.0 | 13.5 | 14.8 |

(END OF REPORT)