

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: P1245366

Luminaire Tested: PRLX-UNA-L-940-09L-U-OW

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-L-940-09L-U-OW  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

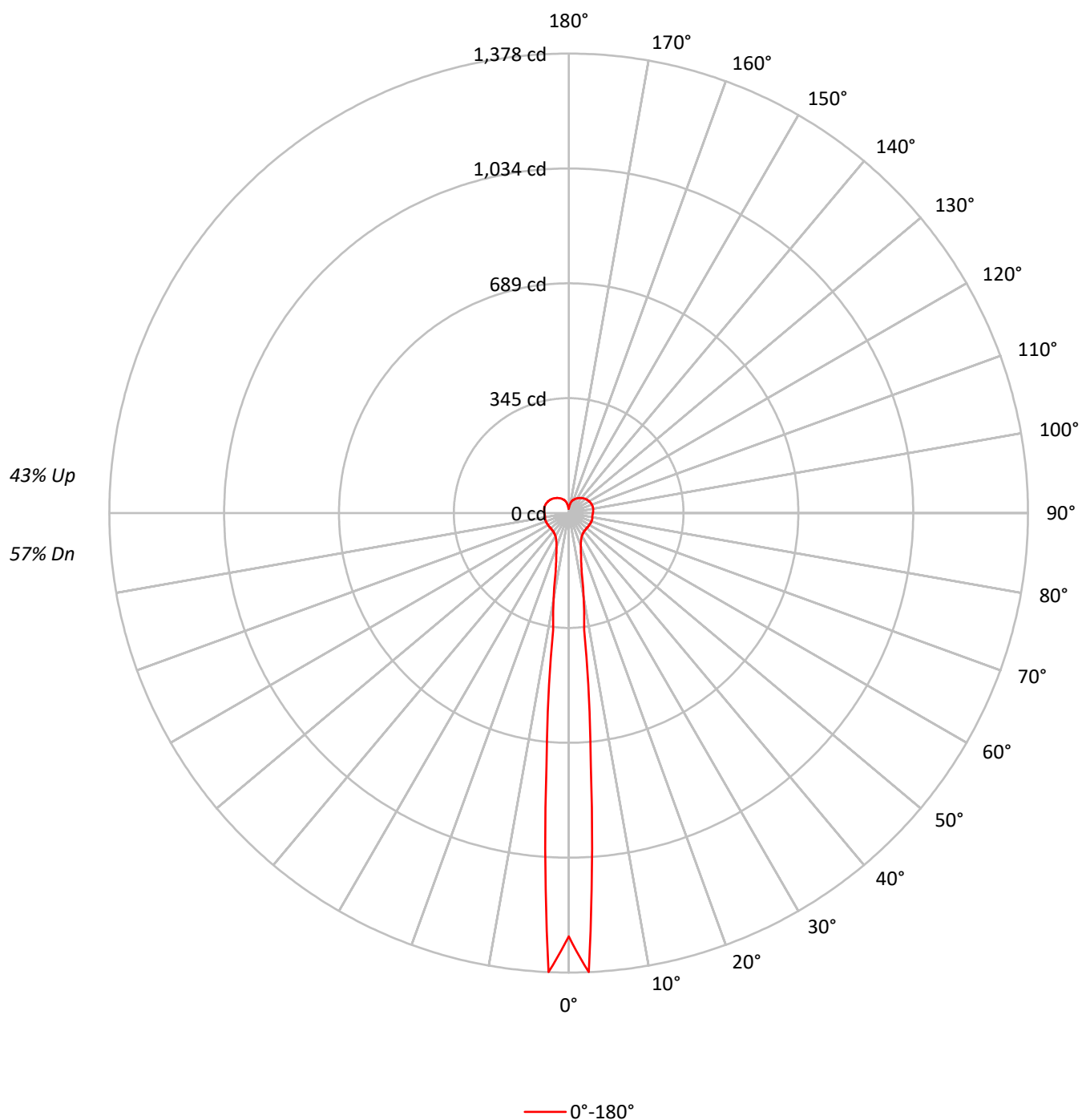
Lumens per Lamp: N/A  
Luminaire Lumens: 944.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 22.6  
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   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 57 |  |  |   |
| 1   | 96  | 90  | 85  | 80  | 88  | 83  | 79  | 75  | 71 | 68 | 64 | 60 | 57 | 55 | 49 | 47 | 46 | 40 |  |  |   |
| 2   | 86  | 77  | 70  | 63  | 80  | 72  | 65  | 59  | 61 | 56 | 51 | 51 | 47 | 44 | 42 | 39 | 37 | 32 |  |  |   |
| 3   | 79  | 68  | 59  | 52  | 72  | 63  | 55  | 49  | 54 | 48 | 43 | 45 | 40 | 37 | 37 | 34 | 31 | 27 |  |  |   |
| 4   | 72  | 60  | 51  | 44  | 66  | 56  | 48  | 42  | 48 | 41 | 37 | 40 | 35 | 31 | 33 | 30 | 27 | 23 |  |  |   |
| 5   | 66  | 54  | 45  | 38  | 61  | 50  | 42  | 36  | 43 | 37 | 32 | 36 | 31 | 28 | 30 | 27 | 23 | 20 |  |  |   |
| 6   | 61  | 48  | 40  | 34  | 57  | 45  | 37  | 32  | 39 | 33 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 18 |  |  |   |
| 7   | 57  | 44  | 36  | 30  | 53  | 41  | 34  | 28  | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 17 |  |  |   |
| 8   | 53  | 41  | 33  | 27  | 49  | 38  | 31  | 26  | 33 | 27 | 23 | 29 | 24 | 20 | 24 | 21 | 18 | 15 |  |  |   |
| 9   | 50  | 37  | 30  | 25  | 46  | 35  | 28  | 23  | 31 | 25 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 14 |  |  |   |
| 10  | 47  | 35  | 27  | 22  | 44  | 33  | 26  | 21  | 29 | 23 | 19 | 25 | 21 | 17 | 22 | 18 | 15 | 13 |  |  |   |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 40166 |
| 5°  | 18825 |
| 10° | 5292  |
| 15° | 2487  |
| 20° | 1639  |
| 25° | 1217  |
| 30° | 1001  |
| 35° | 875   |
| 40° | 789   |
| 45° | 741   |
| 50° | 706   |
| 55° | 688   |
| 60° | 675   |
| 65° | 672   |
| 70° | 670   |
| 75° | 674   |
| 80° | 666   |
| 85° | 676   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 741 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 56.6   | 6.0       |
| 10°-20°   | 42.4   | 4.5       |
| 20°-30°   | 41.4   | 4.4       |
| 30°-40°   | 47.1   | 5.0       |
| 40°-50°   | 55.0   | 5.8       |
| 50°-60°   | 63.8   | 6.8       |
| 60°-70°   | 71.6   | 7.6       |
| 70°-80°   | 77.0   | 8.2       |
| 80°-90°   | 78.6   | 8.3       |
| 90°-100°  | 80.6   | 8.5       |
| 100°-110° | 78.9   | 8.4       |
| 110°-120° | 72.1   | 7.6       |
| 120°-130° | 61.4   | 6.5       |
| 130°-140° | 48.4   | 5.1       |
| 140°-150° | 34.6   | 3.7       |
| 150°-160° | 21.8   | 2.3       |
| 160°-170° | 10.6   | 1.1       |
| 170°-180° | 2.2    | 0.2       |
| 0°-30°    | 140.4  | 14.9      |
| 0°-40°    | 187.5  | 19.9      |
| 0°-60°    | 306.2  | 32.4      |
| 0°-90°    | 533.4  | 56.5      |
| 90°-120°  | 231.5  | 24.5      |
| 90°-150°  | 376.1  | 39.8      |
| 90°-180°  | 411.0  | 43.5      |
| 0°-180°   | 944.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 1270 |      |
| 5°   | 763  | 57   |
| 15°  | 143  | 42   |
| 25°  | 88   | 41   |
| 35°  | 75   | 47   |
| 45°  | 71   | 55   |
| 55°  | 71   | 64   |
| 65°  | 72   | 72   |
| 75°  | 73   | 77   |
| 85°  | 72   | 59   |
| 90°  | 73   | 40   |
| 95°  | 74   | 61   |
| 105° | 75   | 79   |
| 115° | 73   | 72   |
| 125° | 68   | 61   |
| 135° | 62   | 48   |
| 145° | 55   | 35   |
| 155° | 47   | 22   |
| 165° | 37   | 11   |
| 175° | 19   | 2    |
| 180° | 13   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1269.6 |
| 2.5°   | 1377.8 |
| 5°     | 763.2  |
| 7.5°   | 353.9  |
| 10°    | 260.2  |
| 12.5°  | 179.1  |
| 15°    | 142.8  |
| 17.5°  | 121.6  |
| 20°    | 106.9  |
| 22.5°  | 95.9   |
| 25°    | 88.3   |
| 27.5°  | 83.2   |
| 30°    | 79.4   |
| 32.5°  | 76.9   |
| 35°    | 74.8   |
| 37.5°  | 73.1   |
| 40°    | 71.8   |
| 42.5°  | 71.4   |
| 45°    | 71.0   |
| 47.5°  | 70.5   |
| 50°    | 70.5   |
| 52.5°  | 71.0   |
| 55°    | 71.0   |
| 57.5°  | 71.4   |
| 60°    | 71.4   |
| 62.5°  | 71.8   |
| 65°    | 72.2   |
| 67.5°  | 72.6   |
| 70°    | 72.6   |
| 72.5°  | 73.1   |
| 75°    | 73.1   |
| 77.5°  | 72.6   |
| 80°    | 71.8   |
| 82.5°  | 71.8   |
| 85°    | 71.8   |
| 87.5°  | 72.2   |
| 90°    | 72.6   |
| 92.5°  | 73.5   |
| 95°    | 73.9   |
| 97.5°  | 74.3   |
| 100°   | 74.8   |
| 102.5° | 74.8   |
| 105°   | 74.8   |
| 107.5° | 74.3   |
| 110°   | 73.9   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 73.5 |
| 115°   | 72.6 |
| 117.5° | 71.8 |
| 120°   | 71.0 |
| 122.5° | 69.7 |
| 125°   | 68.4 |
| 127.5° | 67.2 |
| 130°   | 65.9 |
| 132.5° | 64.2 |
| 135°   | 62.5 |
| 137.5° | 60.8 |
| 140°   | 58.7 |
| 142.5° | 57.0 |
| 145°   | 54.9 |
| 147.5° | 53.2 |
| 150°   | 51.1 |
| 152.5° | 49.0 |
| 155°   | 46.9 |
| 157.5° | 44.8 |
| 160°   | 42.2 |
| 162.5° | 40.1 |
| 165°   | 37.2 |
| 167.5° | 33.8 |
| 170°   | 29.6 |
| 172.5° | 24.9 |
| 175°   | 19.4 |
| 177.5° | 14.4 |
| 180°   | 12.7 |

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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 | 6.1              | 7.1  | 7.0  | 8.0  | 9.2  | 6.1            | 7.1  | 7.0  | 8.0  | 9.2  |
|                 | 3H   | 9.0              | 9.9  | 9.8  | 10.8 | 12.0 | 9.0            | 9.9  | 9.8  | 10.8 | 12.0 |
|                 | 4H   | 10.3             | 11.2 | 11.2 | 12.2 | 13.4 | 10.3           | 11.2 | 11.2 | 12.2 | 13.4 |
|                 | 6H   | 11.7             | 12.5 | 12.6 | 13.4 | 14.7 | 11.7           | 12.5 | 12.6 | 13.4 | 14.7 |
|                 | 8H   | 12.3             | 13.1 | 13.2 | 14.1 | 15.3 | 12.3           | 13.1 | 13.2 | 14.1 | 15.3 |
|                 | 12H  | 12.9             | 13.7 | 13.9 | 14.7 | 15.9 | 12.9           | 13.7 | 13.9 | 14.7 | 15.9 |
| 4H              | 2H   | 6.8              | 7.7  | 7.8  | 8.7  | 9.9  | 6.8            | 7.7  | 7.8  | 8.7  | 9.9  |
|                 | 3H   | 9.9              | 10.6 | 10.8 | 11.6 | 12.8 | 9.9            | 10.6 | 10.8 | 11.6 | 12.8 |
|                 | 4H   | 11.4             | 12.1 | 12.3 | 13.1 | 14.3 | 11.4           | 12.1 | 12.3 | 13.1 | 14.3 |
|                 | 6H   | 12.9             | 13.5 | 13.9 | 14.5 | 15.8 | 12.9           | 13.5 | 13.9 | 14.5 | 15.8 |
|                 | 8H   | 13.6             | 14.2 | 14.6 | 15.2 | 16.5 | 13.6           | 14.2 | 14.6 | 15.2 | 16.5 |
|                 | 12H  | 14.4             | 14.9 | 15.3 | 15.9 | 17.2 | 14.4           | 14.9 | 15.3 | 15.9 | 17.2 |
| 8H              | 4H   | 11.9             | 12.5 | 12.8 | 13.5 | 14.7 | 11.9           | 12.5 | 12.8 | 13.5 | 14.7 |
|                 | 6H   | 13.6             | 14.1 | 14.6 | 15.1 | 16.4 | 13.6           | 14.1 | 14.6 | 15.1 | 16.4 |
|                 | 8H   | 14.5             | 14.9 | 15.5 | 15.9 | 17.2 | 14.5           | 14.9 | 15.5 | 15.9 | 17.2 |
|                 | 12H  | 15.4             | 15.8 | 16.4 | 16.8 | 18.1 | 15.4           | 15.8 | 16.4 | 16.8 | 18.1 |
| 12H             | 4H   | 12.0             | 12.5 | 13.0 | 13.5 | 14.8 | 12.0           | 12.5 | 13.0 | 13.5 | 14.8 |
|                 | 6H   | 13.8             | 14.2 | 14.8 | 15.2 | 16.5 | 13.8           | 14.2 | 14.8 | 15.2 | 16.5 |
|                 | 8H   | 14.7             | 15.2 | 15.7 | 16.1 | 17.5 | 14.7           | 15.2 | 15.7 | 16.1 | 17.5 |

(END OF REPORT)