

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: P1245434

Luminaire Tested: PRLX-UNA-M-940-04L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245434  
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-940-04L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

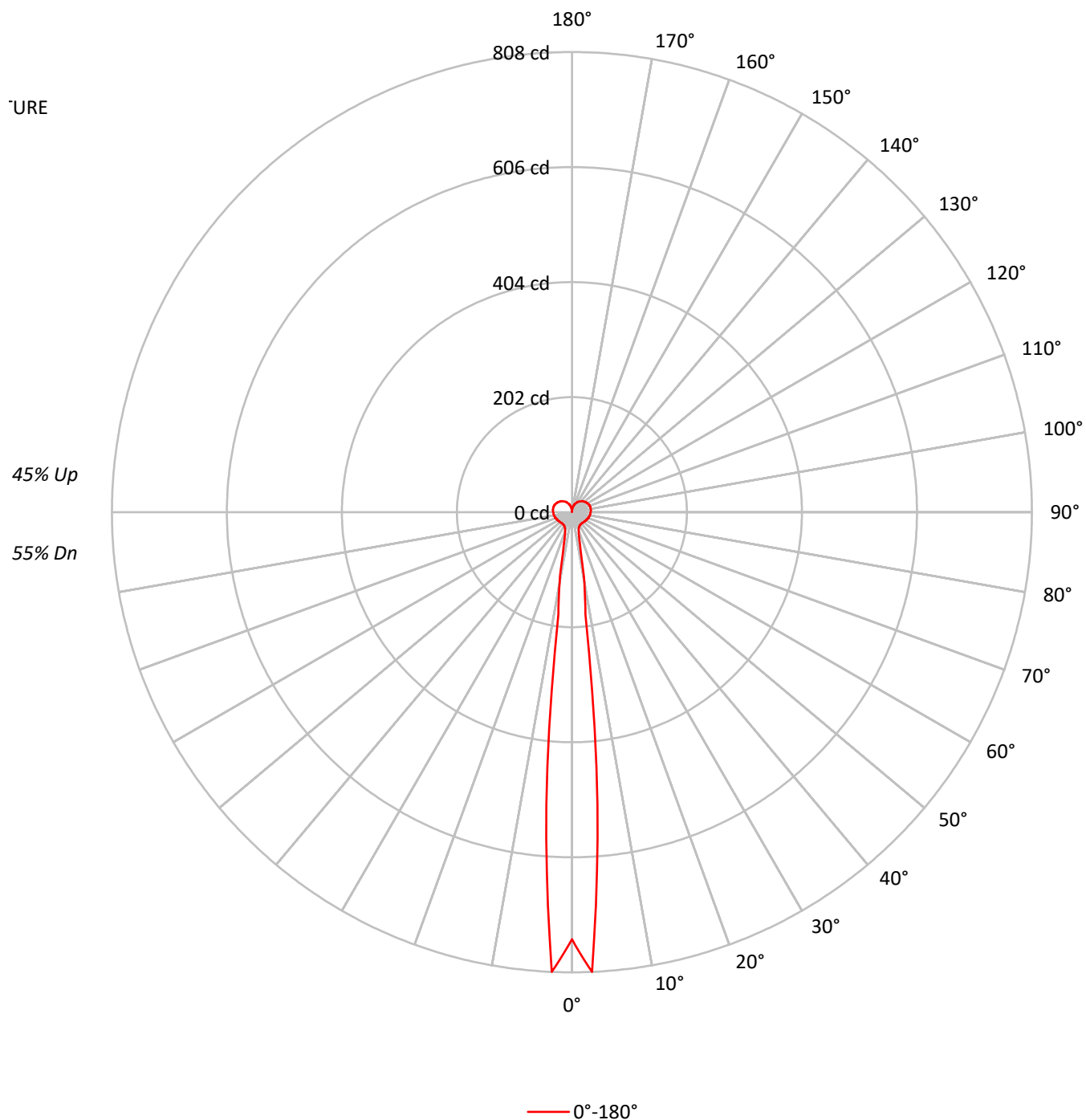
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 401.9 lumens  
Efficiency: N/A  
Efficacy: 24.8 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): 16.2  
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: 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 | 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°  | 38430 |
| 5°  | 19449 |
| 10° | 3735  |
| 15° | 1253  |
| 20° | 748   |
| 25° | 571   |
| 30° | 471   |
| 35° | 424   |
| 40° | 387   |
| 45° | 372   |
| 50° | 362   |
| 55° | 355   |
| 60° | 358   |
| 65° | 356   |
| 70° | 365   |
| 75° | 374   |
| 80° | 382   |
| 85° | 392   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $90^\circ$

Luminance: 404 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.3   | 8.3       |
| 10°-20°   | 16.0   | 4.0       |
| 20°-30°   | 13.8   | 3.4       |
| 30°-40°   | 16.6   | 4.1       |
| 40°-50°   | 20.5   | 5.1       |
| 50°-60°   | 24.9   | 6.2       |
| 60°-70°   | 29.2   | 7.3       |
| 70°-80°   | 33.0   | 8.2       |
| 80°-90°   | 35.5   | 8.8       |
| 90°-100°  | 36.4   | 9.1       |
| 100°-110° | 35.5   | 8.8       |
| 110°-120° | 32.2   | 8.0       |
| 120°-130° | 27.1   | 6.7       |
| 130°-140° | 20.9   | 5.2       |
| 140°-150° | 14.5   | 3.6       |
| 150°-160° | 8.4    | 2.1       |
| 160°-170° | 3.6    | 0.9       |
| 170°-180° | 0.5    | 0.1       |
| 0°-30°    | 63.1   | 15.7      |
| 0°-40°    | 79.7   | 19.8      |
| 0°-60°    | 125.2  | 31.1      |
| 0°-90°    | 222.8  | 55.4      |
| 90°-120°  | 104.1  | 25.9      |
| 90°-150°  | 166.6  | 41.4      |
| 90°-180°  | 179.0  | 44.5      |
| 0°-180°   | 401.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 750 |      |
| 5°   | 516 | 33   |
| 15°  | 50  | 16   |
| 25°  | 30  | 14   |
| 35°  | 27  | 17   |
| 45°  | 27  | 21   |
| 55°  | 28  | 25   |
| 65°  | 29  | 29   |
| 75°  | 31  | 33   |
| 85°  | 32  | 26   |
| 90°  | 33  | 18   |
| 95°  | 34  | 27   |
| 105° | 34  | 35   |
| 115° | 32  | 32   |
| 125° | 30  | 27   |
| 135° | 27  | 21   |
| 145° | 23  | 14   |
| 155° | 18  | 8    |
| 165° | 12  | 4    |
| 175° | 4   | 1    |
| 180° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 749.9 |
| 2.5°   | 808.0 |
| 5°     | 516.4 |
| 7.5°   | 180.1 |
| 10°    | 124.7 |
| 12.5°  | 71.4  |
| 15°    | 50.1  |
| 17.5°  | 40.5  |
| 20°    | 34.6  |
| 22.5°  | 31.4  |
| 25°    | 29.8  |
| 27.5°  | 28.2  |
| 30°    | 27.2  |
| 32.5°  | 26.6  |
| 35°    | 26.6  |
| 37.5°  | 26.1  |
| 40°    | 26.1  |
| 42.5°  | 26.1  |
| 45°    | 26.6  |
| 47.5°  | 26.6  |
| 50°    | 27.2  |
| 52.5°  | 27.2  |
| 55°    | 27.7  |
| 57.5°  | 28.2  |
| 60°    | 28.8  |
| 62.5°  | 28.8  |
| 65°    | 29.3  |
| 67.5°  | 29.8  |
| 70°    | 30.4  |
| 72.5°  | 30.9  |
| 75°    | 31.4  |
| 77.5°  | 31.4  |
| 80°    | 32.0  |
| 82.5°  | 32.5  |
| 85°    | 32.5  |
| 87.5°  | 32.5  |
| 90°    | 33.0  |
| 92.5°  | 33.0  |
| 95°    | 33.6  |
| 97.5°  | 33.6  |
| 100°   | 33.6  |
| 102.5° | 33.6  |
| 105°   | 33.6  |
| 107.5° | 33.6  |
| 110°   | 33.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 33.0 |
| 115°   | 32.5 |
| 117.5° | 32.0 |
| 120°   | 31.4 |
| 122.5° | 30.9 |
| 125°   | 30.4 |
| 127.5° | 29.3 |
| 130°   | 28.8 |
| 132.5° | 27.7 |
| 135°   | 27.2 |
| 137.5° | 26.1 |
| 140°   | 25.0 |
| 142.5° | 24.0 |
| 145°   | 22.9 |
| 147.5° | 21.9 |
| 150°   | 20.8 |
| 152.5° | 19.2 |
| 155°   | 18.1 |
| 157.5° | 16.5 |
| 160°   | 15.5 |
| 162.5° | 13.9 |
| 165°   | 12.3 |
| 167.5° | 10.7 |
| 170°   | 9.1  |
| 172.5° | 6.4  |
| 175°   | 3.7  |
| 177.5° | 1.6  |
| 180°   | 0.5  |

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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 | 3.6              | 4.6  | 4.5  | 5.5  | 6.7  | 3.6            | 4.6  | 4.5  | 5.5  | 6.7  |
|                 | 3H   | 6.6              | 7.5  | 7.5  | 8.4  | 9.6  | 6.6            | 7.5  | 7.5  | 8.4  | 9.6  |
|                 | 4H   | 8.1              | 8.9  | 9.0  | 9.9  | 11.1 | 8.1            | 8.9  | 9.0  | 9.9  | 11.1 |
|                 | 6H   | 9.5              | 10.3 | 10.4 | 11.3 | 12.5 | 9.5            | 10.3 | 10.4 | 11.3 | 12.5 |
|                 | 8H   | 10.2             | 11.0 | 11.2 | 12.0 | 13.2 | 10.2           | 11.0 | 11.2 | 12.0 | 13.2 |
|                 | 12H  | 10.9             | 11.7 | 11.9 | 12.6 | 13.9 | 10.9           | 11.7 | 11.9 | 12.6 | 13.9 |
| 4H              | 2H   | 4.3              | 5.2  | 5.2  | 6.1  | 7.3  | 4.3            | 5.2  | 5.2  | 6.1  | 7.3  |
|                 | 3H   | 7.5              | 8.3  | 8.4  | 9.2  | 10.5 | 7.5            | 8.3  | 8.4  | 9.2  | 10.5 |
|                 | 4H   | 9.2              | 9.9  | 10.1 | 10.8 | 12.1 | 9.2            | 9.9  | 10.1 | 10.8 | 12.1 |
|                 | 6H   | 10.8             | 11.4 | 11.7 | 12.4 | 13.7 | 10.8           | 11.4 | 11.7 | 12.4 | 13.7 |
|                 | 8H   | 11.6             | 12.2 | 12.6 | 13.2 | 14.4 | 11.6           | 12.2 | 12.6 | 13.2 | 14.4 |
|                 | 12H  | 12.4             | 13.0 | 13.4 | 13.9 | 15.2 | 12.4           | 13.0 | 13.4 | 13.9 | 15.2 |
| 8H              | 4H   | 9.7              | 10.3 | 10.6 | 11.3 | 12.5 | 9.7            | 10.3 | 10.6 | 11.3 | 12.5 |
|                 | 6H   | 11.5             | 12.0 | 12.5 | 13.1 | 14.3 | 11.5           | 12.0 | 12.5 | 13.1 | 14.3 |
|                 | 8H   | 12.5             | 13.0 | 13.5 | 14.0 | 15.2 | 12.5           | 13.0 | 13.5 | 14.0 | 15.2 |
|                 | 12H  | 13.5             | 13.9 | 14.5 | 14.9 | 16.2 | 13.5           | 13.9 | 14.5 | 14.9 | 16.2 |
| 12H             | 4H   | 9.8              | 10.3 | 10.8 | 11.3 | 12.6 | 9.8            | 10.3 | 10.8 | 11.3 | 12.6 |
|                 | 6H   | 11.7             | 12.2 | 12.7 | 13.2 | 14.5 | 11.7           | 12.2 | 12.7 | 13.2 | 14.5 |
|                 | 8H   | 12.8             | 13.2 | 13.7 | 14.2 | 15.5 | 12.8           | 13.2 | 13.7 | 14.2 | 15.5 |

(END OF REPORT)