

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: P1245475

Luminaire Tested: PRLX-UNA-S-935-02L-U-PS

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UNA-S-935-02L-U-PS  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, PINSTRIPE SHADE TEXTURE  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

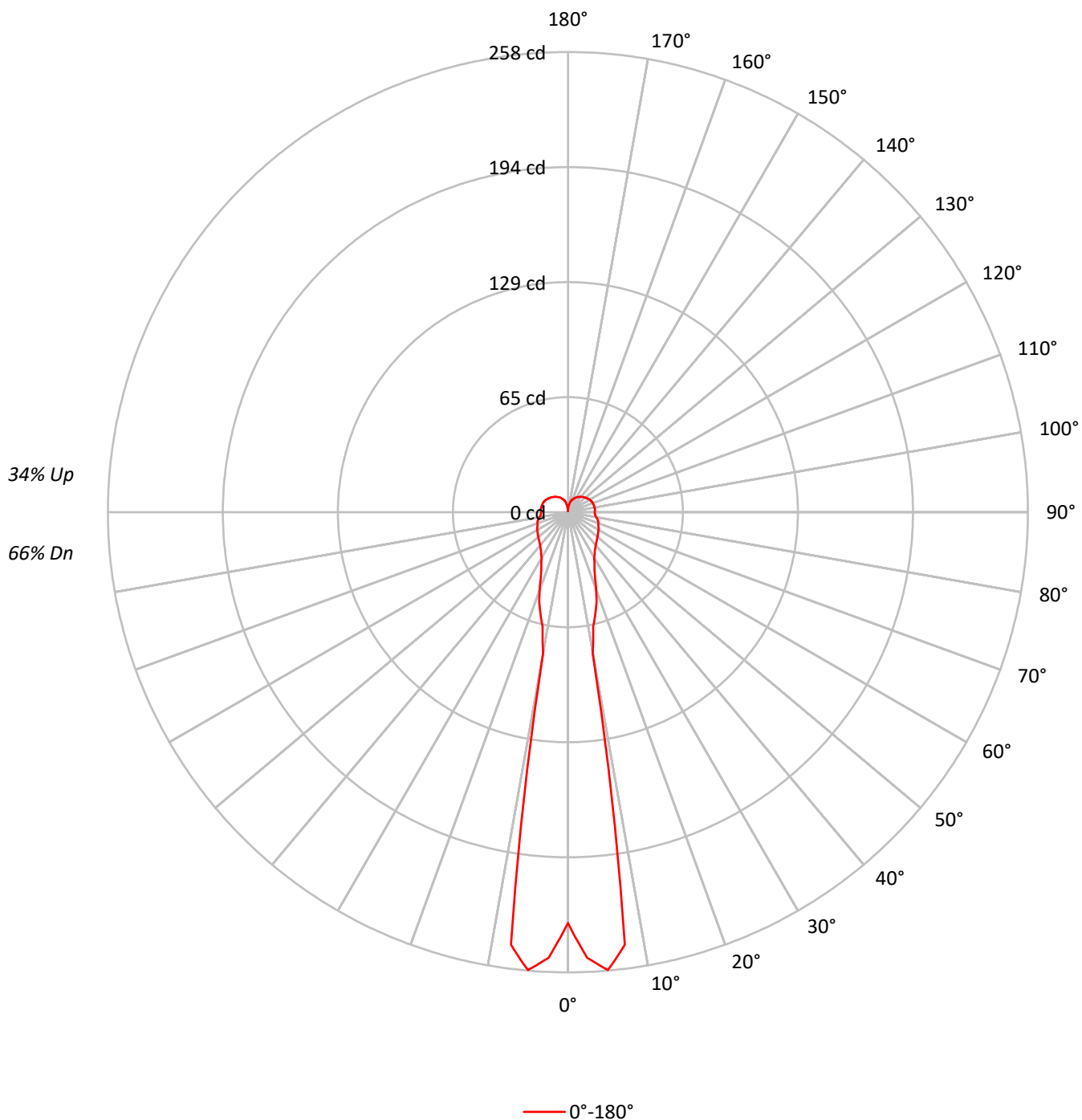
Lumens per Lamp: N/A  
Luminaire Lumens: 241.1 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34  
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')  
CIE Type: Semi-Direct

Input Watts (W): 6.3  
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 |
| RW  | 70  | 50  | 30  | 10  |  | 70  | 50  | 30  | 10  |  | 50 | 30 | 10 |  | 50 | 30 | 10 |  | 50 | 30 | 10 |    |
| RCR |     |     |     |     |  |     |     |     |     |  |    |    |    |  |    |    |    |  |    |    |    |    |
| 0   | 111 | 111 | 111 | 111 |  | 105 | 105 | 105 | 105 |  | 92 | 92 | 92 |  | 81 | 81 | 81 |  | 71 | 71 | 71 |    |
| 1   | 99  | 94  | 89  | 84  |  | 93  | 88  | 84  | 80  |  | 78 | 74 | 71 |  | 68 | 65 | 63 |  | 59 | 57 | 55 |    |
| 2   | 90  | 81  | 74  | 68  |  | 84  | 77  | 70  | 65  |  | 68 | 63 | 58 |  | 59 | 55 | 52 |  | 52 | 49 | 46 |    |
| 3   | 82  | 72  | 64  | 57  |  | 77  | 68  | 60  | 55  |  | 60 | 54 | 49 |  | 53 | 48 | 44 |  | 46 | 43 | 40 |    |
| 4   | 76  | 64  | 56  | 49  |  | 71  | 61  | 53  | 47  |  | 54 | 48 | 43 |  | 48 | 43 | 39 |  | 42 | 38 | 35 |    |
| 5   | 70  | 58  | 49  | 43  |  | 66  | 55  | 47  | 41  |  | 49 | 43 | 38 |  | 44 | 38 | 34 |  | 38 | 34 | 31 |    |
| 6   | 65  | 53  | 44  | 38  |  | 61  | 50  | 42  | 37  |  | 45 | 39 | 34 |  | 40 | 35 | 31 |  | 36 | 32 | 28 |    |
| 7   | 61  | 48  | 40  | 35  |  | 57  | 46  | 39  | 33  |  | 42 | 35 | 31 |  | 37 | 32 | 28 |  | 33 | 29 | 26 |    |
| 8   | 57  | 45  | 37  | 31  |  | 54  | 43  | 35  | 30  |  | 39 | 33 | 28 |  | 35 | 30 | 26 |  | 31 | 27 | 24 |    |
| 9   | 54  | 42  | 34  | 29  |  | 51  | 40  | 33  | 28  |  | 36 | 30 | 26 |  | 33 | 28 | 24 |  | 30 | 26 | 23 |    |
| 10  | 51  | 39  | 32  | 27  |  | 48  | 37  | 30  | 26  |  | 34 | 28 | 24 |  | 31 | 26 | 23 |  | 28 | 24 | 21 |    |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 11287 |
| 5°  | 10473 |
| 10° | 2807  |
| 15° | 1830  |
| 20° | 1286  |
| 25° | 898   |
| 30° | 699   |
| 35° | 587   |
| 40° | 513   |
| 45° | 465   |
| 50° | 426   |
| 55° | 397   |
| 60° | 376   |
| 65° | 356   |
| 70° | 341   |
| 75° | 329   |
| 80° | 311   |
| 85° | 302   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 465 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.3   | 8.4       |
| 10°-20°   | 16.7   | 6.9       |
| 20°-30°   | 16.6   | 6.9       |
| 30°-40°   | 16.6   | 6.9       |
| 40°-50°   | 17.7   | 7.3       |
| 50°-60°   | 18.5   | 7.7       |
| 60°-70°   | 18.8   | 7.8       |
| 70°-80°   | 18.3   | 7.6       |
| 80°-90°   | 16.8   | 7.0       |
| 90°-100°  | 16.6   | 6.9       |
| 100°-110° | 15.9   | 6.6       |
| 110°-120° | 14.4   | 6.0       |
| 120°-130° | 12.0   | 5.0       |
| 130°-140° | 9.3    | 3.9       |
| 140°-150° | 6.6    | 2.7       |
| 150°-160° | 4.0    | 1.7       |
| 160°-170° | 1.8    | 0.8       |
| 170°-180° | 0.3    | 0.1       |
| 0°-30°    | 53.5   | 22.2      |
| 0°-40°    | 70.1   | 29.1      |
| 0°-60°    | 106.3  | 44.1      |
| 0°-90°    | 160.2  | 66.4      |
| 90°-120°  | 46.9   | 19.4      |
| 90°-150°  | 74.7   | 31.0      |
| 90°-180°  | 81.0   | 33.6      |
| 0°-180°   | 241.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 230 |      |
| 5°   | 258 | 20   |
| 15°  | 59  | 17   |
| 25°  | 35  | 17   |
| 35°  | 26  | 17   |
| 45°  | 23  | 18   |
| 55°  | 21  | 19   |
| 65°  | 19  | 19   |
| 75°  | 17  | 18   |
| 85°  | 15  | 13   |
| 90°  | 15  | 8    |
| 95°  | 15  | 12   |
| 105° | 15  | 16   |
| 115° | 14  | 14   |
| 125° | 13  | 12   |
| 135° | 12  | 9    |
| 145° | 10  | 7    |
| 155° | 9   | 4    |
| 165° | 6   | 2    |
| 175° | 2   | 0    |
| 180° | 1   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 230.4 |
| 2.5°   | 250.1 |
| 5°     | 257.7 |
| 7.5°   | 244.6 |
| 10°    | 80.3  |
| 12.5°  | 65.6  |
| 15°    | 59.3  |
| 17.5°  | 53.4  |
| 20°    | 46.2  |
| 22.5°  | 39.7  |
| 25°    | 35.2  |
| 27.5°  | 32.2  |
| 30°    | 29.5  |
| 32.5°  | 27.9  |
| 35°    | 26.3  |
| 37.5°  | 25.3  |
| 40°    | 24.2  |
| 42.5°  | 23.4  |
| 45°    | 22.8  |
| 47.5°  | 22.2  |
| 50°    | 21.6  |
| 52.5°  | 21.2  |
| 55°    | 20.6  |
| 57.5°  | 20.2  |
| 60°    | 19.8  |
| 62.5°  | 19.4  |
| 65°    | 18.9  |
| 67.5°  | 18.5  |
| 70°    | 18.1  |
| 72.5°  | 17.9  |
| 75°    | 17.3  |
| 77.5°  | 16.9  |
| 80°    | 16.1  |
| 82.5°  | 15.5  |
| 85°    | 15.3  |
| 87.5°  | 15.1  |
| 90°    | 15.1  |
| 92.5°  | 15.1  |
| 95°    | 15.3  |
| 97.5°  | 15.3  |
| 100°   | 15.1  |
| 102.5° | 15.1  |
| 105°   | 15.1  |
| 107.5° | 14.9  |
| 110°   | 14.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 14.7 |
| 115°   | 14.5 |
| 117.5° | 14.3 |
| 120°   | 14.1 |
| 122.5° | 13.6 |
| 125°   | 13.4 |
| 127.5° | 13.0 |
| 130°   | 12.8 |
| 132.5° | 12.4 |
| 135°   | 12.0 |
| 137.5° | 11.6 |
| 140°   | 11.2 |
| 142.5° | 10.8 |
| 145°   | 10.4 |
| 147.5° | 10.0 |
| 150°   | 9.6  |
| 152.5° | 9.2  |
| 155°   | 8.6  |
| 157.5° | 8.1  |
| 160°   | 7.5  |
| 162.5° | 7.1  |
| 165°   | 6.5  |
| 167.5° | 5.7  |
| 170°   | 4.7  |
| 172.5° | 3.7  |
| 175°   | 2.4  |
| 177.5° | 1.2  |
| 180°   | 0.6  |

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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 | 4.8              | 5.9  | 5.6  | 6.7  | 7.7  | 4.8            | 5.9  | 5.6  | 6.7  | 7.7  |
|                 | 3H   | 7.3              | 8.2  | 8.1  | 9.1  | 10.1 | 7.3            | 8.2  | 8.1  | 9.1  | 10.1 |
|                 | 4H   | 8.4              | 9.4  | 9.2  | 10.2 | 11.3 | 8.4            | 9.4  | 9.2  | 10.2 | 11.3 |
|                 | 6H   | 9.5              | 10.4 | 10.4 | 11.3 | 12.3 | 9.5            | 10.4 | 10.4 | 11.3 | 12.3 |
|                 | 8H   | 10.0             | 10.9 | 10.9 | 11.7 | 12.8 | 10.0           | 10.9 | 10.9 | 11.7 | 12.8 |
|                 | 12H  | 10.5             | 11.3 | 11.4 | 12.2 | 13.3 | 10.5           | 11.3 | 11.4 | 12.2 | 13.3 |
| 4H              | 2H   | 5.4              | 6.4  | 6.3  | 7.2  | 8.3  | 5.4            | 6.4  | 6.3  | 7.2  | 8.3  |
|                 | 3H   | 8.1              | 8.9  | 8.9  | 9.8  | 10.8 | 8.1            | 8.9  | 8.9  | 9.8  | 10.8 |
|                 | 4H   | 9.4              | 10.2 | 10.3 | 11.0 | 12.1 | 9.4            | 10.2 | 10.3 | 11.0 | 12.1 |
|                 | 6H   | 10.7             | 11.4 | 11.6 | 12.3 | 13.3 | 10.7           | 11.4 | 11.6 | 12.3 | 13.3 |
|                 | 8H   | 11.3             | 11.9 | 12.2 | 12.8 | 13.9 | 11.3           | 11.9 | 12.2 | 12.8 | 13.9 |
|                 | 12H  | 11.9             | 12.5 | 12.8 | 13.4 | 14.5 | 11.9           | 12.5 | 12.8 | 13.4 | 14.5 |
| 8H              | 4H   | 9.8              | 10.5 | 10.7 | 11.4 | 12.5 | 9.8            | 10.5 | 10.7 | 11.4 | 12.5 |
|                 | 6H   | 11.3             | 11.8 | 12.2 | 12.8 | 13.9 | 11.3           | 11.8 | 12.2 | 12.8 | 13.9 |
|                 | 8H   | 12.0             | 12.5 | 12.9 | 13.4 | 14.6 | 12.0           | 12.5 | 12.9 | 13.4 | 14.6 |
|                 | 12H  | 12.8             | 13.2 | 13.7 | 14.2 | 15.3 | 12.8           | 13.2 | 13.7 | 14.2 | 15.3 |
| 12H             | 4H   | 9.9              | 10.5 | 10.8 | 11.4 | 12.5 | 9.9            | 10.5 | 10.8 | 11.4 | 12.5 |
|                 | 6H   | 11.5             | 11.9 | 12.4 | 12.8 | 14.0 | 11.5           | 11.9 | 12.4 | 12.8 | 14.0 |
|                 | 8H   | 12.3             | 12.7 | 13.2 | 13.6 | 14.8 | 12.3           | 12.7 | 13.2 | 13.6 | 14.8 |

(END OF REPORT)