

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: P1245269

Luminaire Tested: PRLX-NIM-S-940-02L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-940-02L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 1  
Light Source: -  
Ballast/Driver: -

**Summary**

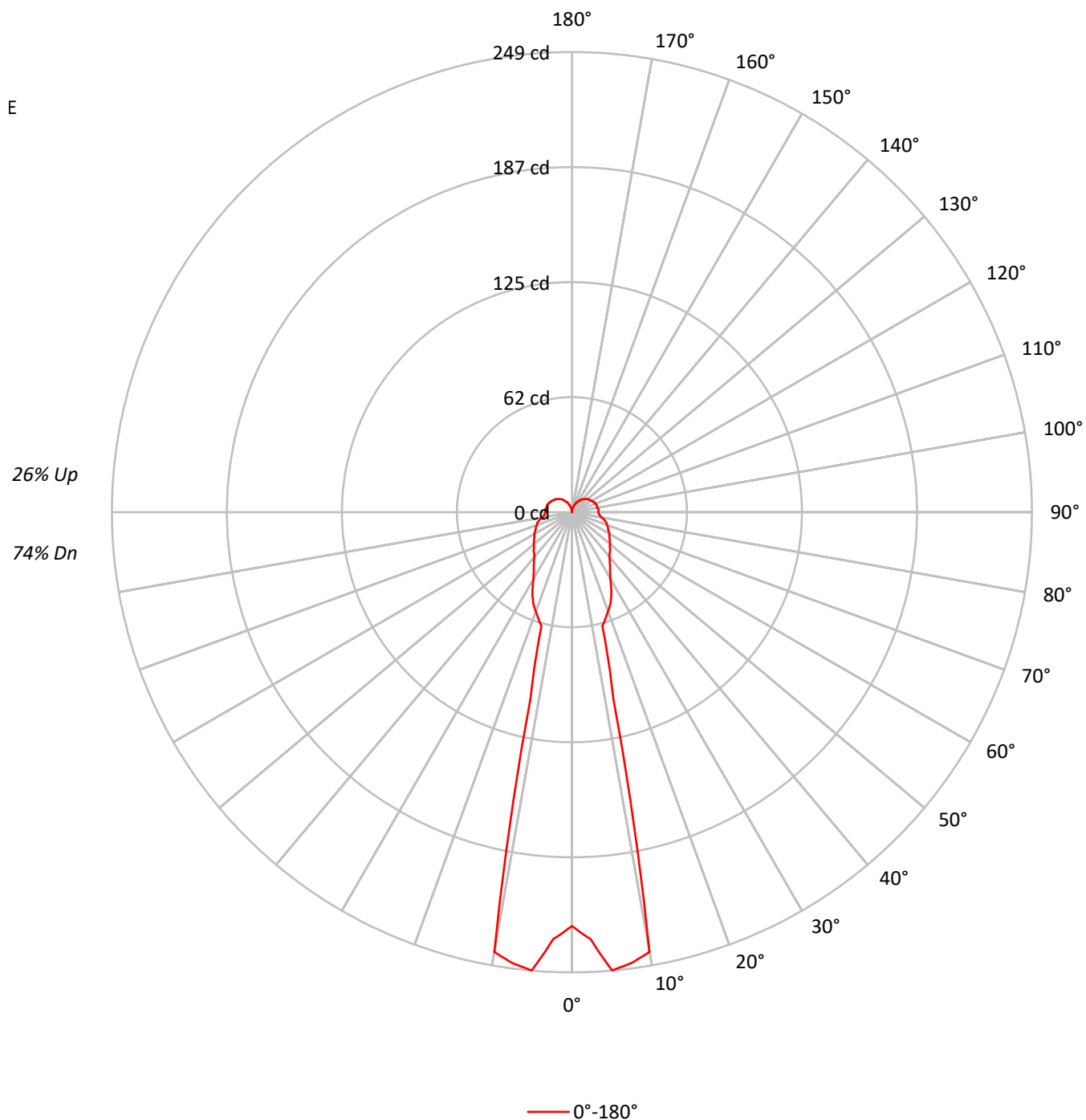
Lumens per Lamp: N/A  
Luminaire Lumens: 266.0 lumens  
Efficiency: N/A  
Efficacy: 42.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')  
CIE Type: Semi-Direct

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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |  |    |    |    |  |    |
| 0   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 |  | 87 | 87 | 87 |  | 78 |
| 1   | 101 | 96  | 91  | 87  | 96  | 91  | 87  | 83  | 82 | 79 | 76 |  | 74 | 71 | 69 |  | 66 |
| 2   | 92  | 84  | 77  | 71  | 87  | 80  | 73  | 68  | 72 | 67 | 63 |  | 65 | 61 | 57 |  | 58 |
| 3   | 85  | 74  | 66  | 60  | 80  | 71  | 64  | 58  | 64 | 58 | 53 |  | 58 | 53 | 49 |  | 52 |
| 4   | 78  | 67  | 58  | 52  | 74  | 64  | 56  | 50  | 58 | 52 | 47 |  | 52 | 47 | 43 |  | 47 |
| 5   | 72  | 60  | 52  | 46  | 69  | 58  | 50  | 44  | 53 | 46 | 41 |  | 48 | 43 | 39 |  | 44 |
| 6   | 68  | 55  | 47  | 41  | 64  | 53  | 45  | 40  | 48 | 42 | 37 |  | 44 | 39 | 35 |  | 41 |
| 7   | 63  | 51  | 43  | 37  | 60  | 49  | 41  | 36  | 45 | 39 | 34 |  | 41 | 36 | 32 |  | 38 |
| 8   | 59  | 47  | 39  | 34  | 56  | 45  | 38  | 33  | 42 | 36 | 31 |  | 39 | 33 | 30 |  | 36 |
| 9   | 56  | 44  | 36  | 31  | 53  | 42  | 35  | 30  | 39 | 33 | 29 |  | 36 | 31 | 27 |  | 34 |
| 10  | 53  | 41  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 27 |  | 34 | 29 | 26 |  | 32 |

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

|     |      |
|-----|------|
|     | 0°   |
| 0°  | 7087 |
| 5°  | 6992 |
| 10° | 6148 |
| 15° | 1493 |
| 20° | 1246 |
| 25° | 1038 |
| 30° | 819  |
| 35° | 680  |
| 40° | 582  |
| 45° | 526  |
| 50° | 477  |
| 55° | 439  |
| 60° | 415  |
| 65° | 385  |
| 70° | 365  |
| 75° | 348  |
| 80° | 314  |
| 85° | 300  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 526 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.2   | 8.7       |
| 10°-20°   | 24.6   | 9.3       |
| 20°-30°   | 22.9   | 8.6       |
| 30°-40°   | 22.6   | 8.5       |
| 40°-50°   | 22.5   | 8.5       |
| 50°-60°   | 22.4   | 8.4       |
| 60°-70°   | 21.6   | 8.1       |
| 70°-80°   | 19.6   | 7.4       |
| 80°-90°   | 16.3   | 6.1       |
| 90°-100°  | 15.6   | 5.9       |
| 100°-110° | 14.6   | 5.5       |
| 110°-120° | 12.9   | 4.8       |
| 120°-130° | 10.5   | 3.9       |
| 130°-140° | 7.8    | 2.9       |
| 140°-150° | 5.0    | 1.9       |
| 150°-160° | 2.6    | 1.0       |
| 160°-170° | 0.9    | 0.3       |
| 170°-180° | 0.1    | 0.0       |
| 0°-30°    | 70.8   | 26.6      |
| 0°-40°    | 93.4   | 35.1      |
| 0°-60°    | 138.3  | 52.0      |
| 0°-90°    | 195.9  | 73.6      |
| 90°-120°  | 43.2   | 16.2      |
| 90°-150°  | 66.5   | 25.0      |
| 90°-180°  | 70.0   | 26.3      |
| 0°-180°   | 266.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 224 |      |
| 5°   | 249 | 23   |
| 15°  | 64  | 25   |
| 25°  | 50  | 23   |
| 35°  | 36  | 23   |
| 45°  | 29  | 23   |
| 55°  | 25  | 22   |
| 65°  | 22  | 22   |
| 75°  | 19  | 20   |
| 85°  | 15  | 12   |
| 90°  | 14  | 8    |
| 95°  | 14  | 12   |
| 105° | 14  | 15   |
| 115° | 13  | 13   |
| 125° | 12  | 10   |
| 135° | 10  | 8    |
| 145° | 8   | 5    |
| 155° | 6   | 3    |
| 165° | 3   | 1    |
| 175° | 0   | 0    |
| 180° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 224.0 |
| 2.5°   | 231.2 |
| 5°     | 248.9 |
| 7.5°   | 246.1 |
| 10°    | 241.7 |
| 12.5°  | 103.6 |
| 15°    | 63.8  |
| 17.5°  | 60.4  |
| 20°    | 57.1  |
| 22.5°  | 54.2  |
| 25°    | 50.4  |
| 27.5°  | 46.0  |
| 30°    | 41.7  |
| 32.5°  | 38.4  |
| 35°    | 36.0  |
| 37.5°  | 33.6  |
| 40°    | 31.7  |
| 42.5°  | 30.2  |
| 45°    | 29.3  |
| 47.5°  | 27.8  |
| 50°    | 26.9  |
| 52.5°  | 25.9  |
| 55°    | 24.9  |
| 57.5°  | 24.0  |
| 60°    | 23.5  |
| 62.5°  | 22.5  |
| 65°    | 21.6  |
| 67.5°  | 21.1  |
| 70°    | 20.1  |
| 72.5°  | 19.7  |
| 75°    | 18.7  |
| 77.5°  | 17.7  |
| 80°    | 16.3  |
| 82.5°  | 15.3  |
| 85°    | 14.9  |
| 87.5°  | 14.4  |
| 90°    | 14.4  |
| 92.5°  | 14.4  |
| 95°    | 14.4  |
| 97.5°  | 14.4  |
| 100°   | 13.9  |
| 102.5° | 13.9  |
| 105°   | 13.9  |
| 107.5° | 13.9  |
| 110°   | 13.4  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 13.4 |
| 115°   | 13.0 |
| 117.5° | 12.5 |
| 120°   | 12.5 |
| 122.5° | 12.0 |
| 125°   | 11.5 |
| 127.5° | 11.5 |
| 130°   | 11.0 |
| 132.5° | 10.6 |
| 135°   | 10.1 |
| 137.5° | 9.6  |
| 140°   | 9.1  |
| 142.5° | 8.6  |
| 145°   | 8.2  |
| 147.5° | 7.2  |
| 150°   | 6.7  |
| 152.5° | 6.2  |
| 155°   | 5.8  |
| 157.5° | 4.8  |
| 160°   | 4.3  |
| 162.5° | 3.8  |
| 165°   | 2.9  |
| 167.5° | 2.4  |
| 170°   | 1.9  |
| 172.5° | 1.0  |
| 175°   | 0.5  |
| 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 | 5.7              | 6.8  | 6.4  | 7.6  | 8.5  | 5.7            | 6.8  | 6.4  | 7.6  | 8.5  |
|                 | 3H   | 8.0              | 9.0  | 8.7  | 9.8  | 10.7 | 8.0            | 9.0  | 8.7  | 9.8  | 10.7 |
|                 | 4H   | 9.1              | 10.1 | 9.8  | 10.8 | 11.8 | 9.1            | 10.1 | 9.8  | 10.8 | 11.8 |
|                 | 6H   | 10.0             | 11.0 | 10.8 | 11.7 | 12.7 | 10.0           | 11.0 | 10.8 | 11.7 | 12.7 |
|                 | 8H   | 10.5             | 11.3 | 11.2 | 12.1 | 13.1 | 10.5           | 11.3 | 11.2 | 12.1 | 13.1 |
|                 | 12H  | 10.9             | 11.7 | 11.7 | 12.5 | 13.5 | 10.9           | 11.7 | 11.7 | 12.5 | 13.5 |
| 4H              | 2H   | 6.3              | 7.3  | 7.0  | 8.0  | 9.0  | 6.3            | 7.3  | 7.0  | 8.0  | 9.0  |
|                 | 3H   | 8.8              | 9.7  | 9.6  | 10.5 | 11.4 | 8.8            | 9.7  | 9.6  | 10.5 | 11.4 |
|                 | 4H   | 10.0             | 10.8 | 10.8 | 11.6 | 12.6 | 10.0           | 10.8 | 10.8 | 11.6 | 12.6 |
|                 | 6H   | 11.2             | 11.9 | 12.0 | 12.7 | 13.7 | 11.2           | 11.9 | 12.0 | 12.7 | 13.7 |
|                 | 8H   | 11.7             | 12.3 | 12.5 | 13.1 | 14.1 | 11.7           | 12.3 | 12.5 | 13.1 | 14.1 |
|                 | 12H  | 12.2             | 12.8 | 13.0 | 13.6 | 14.6 | 12.2           | 12.8 | 13.0 | 13.6 | 14.6 |
| 8H              | 4H   | 10.4             | 11.1 | 11.2 | 11.9 | 12.9 | 10.4           | 11.1 | 11.2 | 11.9 | 12.9 |
|                 | 6H   | 11.7             | 12.3 | 12.5 | 13.1 | 14.1 | 11.7           | 12.3 | 12.5 | 13.1 | 14.1 |
|                 | 8H   | 12.4             | 12.9 | 13.2 | 13.7 | 14.7 | 12.4           | 12.9 | 13.2 | 13.7 | 14.7 |
|                 | 12H  | 13.0             | 13.5 | 13.9 | 14.3 | 15.4 | 13.0           | 13.5 | 13.9 | 14.3 | 15.4 |
| 12H             | 4H   | 10.5             | 11.1 | 11.3 | 11.9 | 12.9 | 10.5           | 11.1 | 11.3 | 11.9 | 12.9 |
|                 | 6H   | 11.8             | 12.3 | 12.7 | 13.2 | 14.2 | 11.8           | 12.3 | 12.7 | 13.2 | 14.2 |
|                 | 8H   | 12.5             | 13.0 | 13.4 | 13.8 | 14.9 | 12.5           | 13.0 | 13.4 | 13.8 | 14.9 |

(END OF REPORT)