

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: P1245177

Luminaire Tested: PRLX-NIM-M-935-04L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245177  
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-935-04L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

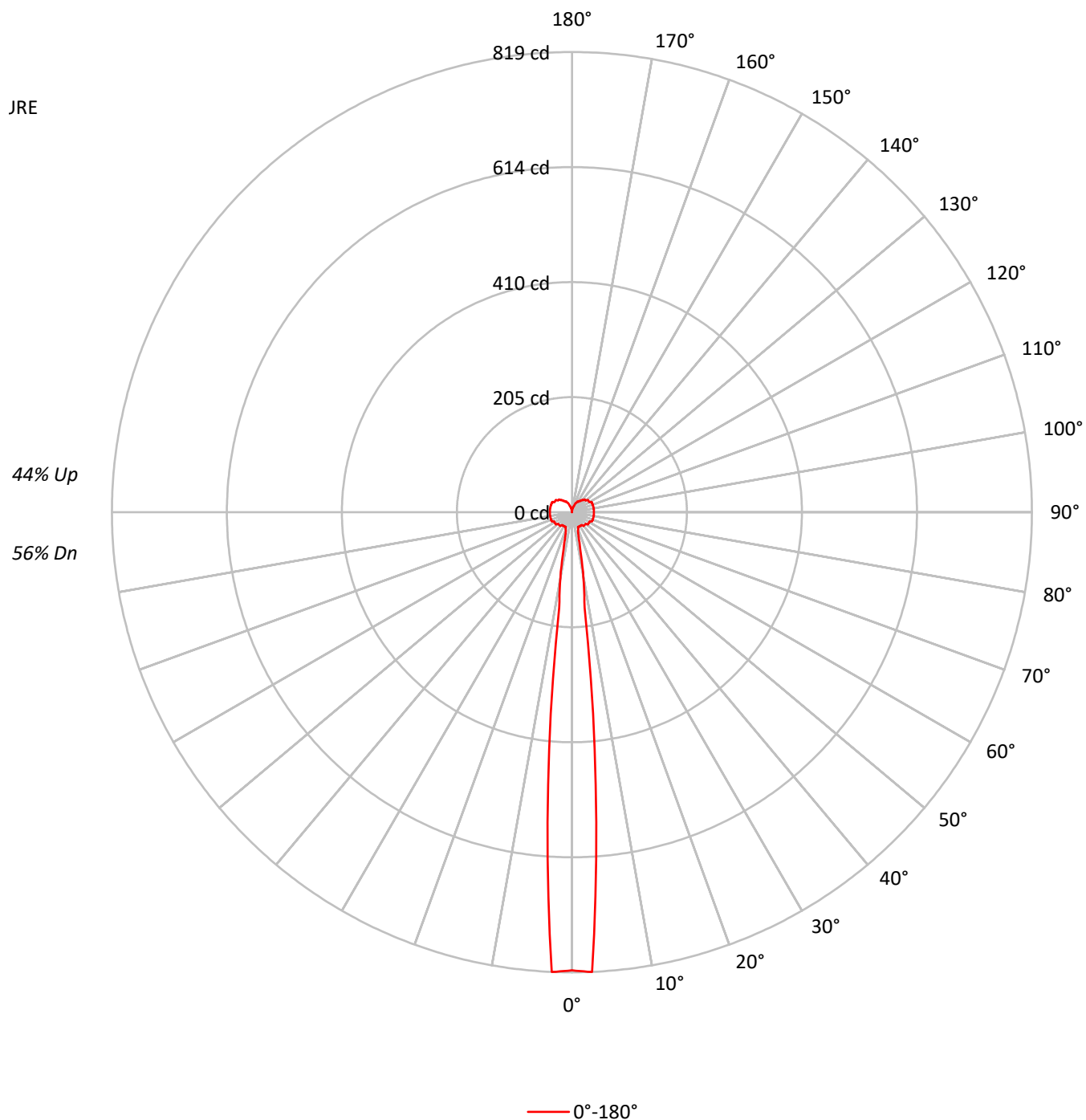
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 463.8 lumens  
Efficiency: N/A  
Efficacy: 28.6 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): 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  |    |  |
| R  |    |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |  |
| C  | 0  | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 56 |  |
| R  | 1  | 95  | 89  | 83  | 78  | 88  | 82  | 77  | 73  | 70 | 66 | 63 | 58 | 55 | 53 | 48 | 46 | 44 | 38 |  |
|    | 2  | 85  | 76  | 68  | 62  | 78  | 70  | 63  | 58  | 60 | 54 | 50 | 50 | 46 | 42 | 40 | 37 | 35 | 30 |  |
|    | 3  | 77  | 66  | 58  | 51  | 71  | 61  | 54  | 47  | 52 | 46 | 41 | 43 | 39 | 35 | 35 | 32 | 29 | 25 |  |
|    | 4  | 71  | 59  | 50  | 43  | 65  | 54  | 46  | 40  | 46 | 40 | 35 | 39 | 34 | 30 | 32 | 28 | 25 | 21 |  |
|    | 5  | 65  | 52  | 43  | 37  | 60  | 49  | 41  | 35  | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 18 |  |
|    | 6  | 60  | 47  | 39  | 32  | 56  | 44  | 36  | 30  | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 17 |  |
|    | 7  | 56  | 43  | 35  | 29  | 52  | 40  | 33  | 27  | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 15 |  |
|    | 8  | 53  | 40  | 32  | 26  | 49  | 37  | 30  | 25  | 32 | 26 | 22 | 28 | 23 | 19 | 23 | 19 | 17 | 14 |  |
|    | 9  | 49  | 37  | 29  | 24  | 46  | 34  | 27  | 22  | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 18 | 15 | 13 |  |
|    | 10 | 47  | 34  | 27  | 22  | 43  | 32  | 25  | 21  | 28 | 22 | 19 | 24 | 20 | 17 | 21 | 17 | 15 | 13 |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 41792 |
| 5°  | 18323 |
| 10° | 3534  |
| 15° | 1163  |
| 20° | 696   |
| 25° | 548   |
| 30° | 496   |
| 35° | 455   |
| 40° | 478   |
| 45° | 450   |
| 50° | 429   |
| 55° | 459   |
| 60° | 445   |
| 65° | 478   |
| 70° | 471   |
| 75° | 469   |
| 80° | 469   |
| 85° | 474   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $90^\circ$

Luminance: 482 cd/sqm

TEST NUMBER: P1245177

CATALOG NUMBER: PRLX-NIM-M-935-04L-U-NR

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.5   | 7.0       |
| 10°-20°   | 14.9   | 3.2       |
| 20°-30°   | 13.4   | 2.9       |
| 30°-40°   | 18.3   | 3.9       |
| 40°-50°   | 24.9   | 5.4       |
| 50°-60°   | 31.7   | 6.8       |
| 60°-70°   | 37.7   | 8.1       |
| 70°-80°   | 41.6   | 9.0       |
| 80°-90°   | 42.9   | 9.2       |
| 90°-100°  | 42.9   | 9.2       |
| 100°-110° | 41.6   | 9.0       |
| 110°-120° | 38.6   | 8.3       |
| 120°-130° | 31.7   | 6.8       |
| 130°-140° | 23.9   | 5.2       |
| 140°-150° | 15.2   | 3.3       |
| 150°-160° | 8.8    | 1.9       |
| 160°-170° | 2.9    | 0.6       |
| 170°-180° | 0.3    | 0.1       |
| 0°-30°    | 60.7   | 13.1      |
| 0°-40°    | 79.0   | 17.0      |
| 0°-60°    | 135.7  | 29.3      |
| 0°-90°    | 257.9  | 55.6      |
| 90°-120°  | 123.0  | 26.5      |
| 90°-150°  | 194.0  | 41.8      |
| 90°-180°  | 206.0  | 44.4      |
| 0°-180°   | 463.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | Flux |
|------|-----|------|
| 0°   | 816 |      |
| 5°   | 486 | 32   |
| 15°  | 46  | 15   |
| 25°  | 29  | 13   |
| 35°  | 29  | 18   |
| 45°  | 32  | 25   |
| 55°  | 36  | 32   |
| 65°  | 39  | 38   |
| 75°  | 39  | 42   |
| 85°  | 39  | 32   |
| 90°  | 39  | 22   |
| 95°  | 39  | 32   |
| 105° | 39  | 42   |
| 115° | 39  | 39   |
| 125° | 36  | 32   |
| 135° | 32  | 24   |
| 145° | 25  | 15   |
| 155° | 18  | 9    |
| 165° | 11  | 3    |
| 175° | 0   | 0    |
| 180° | 0   |      |

TEST NUMBER: P1245177

CATALOG NUMBER: PRLX-NIM-M-935-04L-U-NR

**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 815.5 |
| 2.5°   | 819.1 |
| 5°     | 486.5 |
| 7.5°   | 171.7 |
| 10°    | 118.0 |
| 12.5°  | 68.0  |
| 15°    | 46.5  |
| 17.5°  | 35.8  |
| 20°    | 32.2  |
| 22.5°  | 28.6  |
| 25°    | 28.6  |
| 27.5°  | 28.6  |
| 30°    | 28.6  |
| 32.5°  | 28.6  |
| 35°    | 28.6  |
| 37.5°  | 28.6  |
| 40°    | 32.2  |
| 42.5°  | 32.2  |
| 45°    | 32.2  |
| 47.5°  | 32.2  |
| 50°    | 32.2  |
| 52.5°  | 35.8  |
| 55°    | 35.8  |
| 57.5°  | 35.8  |
| 60°    | 35.8  |
| 62.5°  | 35.8  |
| 65°    | 39.3  |
| 67.5°  | 39.3  |
| 70°    | 39.3  |
| 72.5°  | 39.3  |
| 75°    | 39.3  |
| 77.5°  | 39.3  |
| 80°    | 39.3  |
| 82.5°  | 39.3  |
| 85°    | 39.3  |
| 87.5°  | 39.3  |
| 90°    | 39.3  |
| 92.5°  | 39.3  |
| 95°    | 39.3  |
| 97.5°  | 39.3  |
| 100°   | 39.3  |
| 102.5° | 39.3  |
| 105°   | 39.3  |
| 107.5° | 39.3  |
| 110°   | 39.3  |

TEST NUMBER: P1245177

CATALOG NUMBER: PRLX-NIM-M-935-04L-U-NR

**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 39.3 |
| 115°   | 39.3 |
| 117.5° | 39.3 |
| 120°   | 35.8 |
| 122.5° | 35.8 |
| 125°   | 35.8 |
| 127.5° | 35.8 |
| 130°   | 32.2 |
| 132.5° | 32.2 |
| 135°   | 32.2 |
| 137.5° | 28.6 |
| 140°   | 28.6 |
| 142.5° | 25.0 |
| 145°   | 25.0 |
| 147.5° | 21.5 |
| 150°   | 21.5 |
| 152.5° | 21.5 |
| 155°   | 17.9 |
| 157.5° | 17.9 |
| 160°   | 14.3 |
| 162.5° | 10.7 |
| 165°   | 10.7 |
| 167.5° | 7.2  |
| 170°   | 7.2  |
| 172.5° | 3.6  |
| 175°   | 0.0  |
| 177.5° | 0.0  |
| 180°   | 0.0  |

TEST NUMBER: P1245177

CATALOG NUMBER: PRLX-NIM-M-935-04L-U-NR

**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 | 4.7              | 5.7  | 5.6  | 6.6  | 7.8  | 4.7            | 5.7  | 5.6  | 6.6  | 7.8  |
|                 | 3H   | 7.8              | 8.8  | 8.7  | 9.7  | 10.9 | 7.8            | 8.8  | 8.7  | 9.7  | 10.9 |
|                 | 4H   | 9.2              | 10.1 | 10.1 | 11.1 | 12.3 | 9.2            | 10.1 | 10.1 | 11.1 | 12.3 |
|                 | 6H   | 10.6             | 11.5 | 11.6 | 12.4 | 13.7 | 10.6           | 11.5 | 11.6 | 12.4 | 13.7 |
|                 | 8H   | 11.3             | 12.1 | 12.2 | 13.1 | 14.3 | 11.3           | 12.1 | 12.2 | 13.1 | 14.3 |
|                 | 12H  | 11.9             | 12.7 | 12.9 | 13.7 | 14.9 | 11.9           | 12.7 | 12.9 | 13.7 | 14.9 |
| 4H              | 2H   | 5.5              | 6.4  | 6.4  | 7.4  | 8.6  | 5.5            | 6.4  | 6.4  | 7.4  | 8.6  |
|                 | 3H   | 8.8              | 9.6  | 9.7  | 10.5 | 11.8 | 8.8            | 9.6  | 9.7  | 10.5 | 11.8 |
|                 | 4H   | 10.3             | 11.1 | 11.3 | 12.0 | 13.3 | 10.3           | 11.1 | 11.3 | 12.0 | 13.3 |
|                 | 6H   | 11.9             | 12.6 | 12.8 | 13.5 | 14.8 | 11.9           | 12.6 | 12.8 | 13.5 | 14.8 |
|                 | 8H   | 12.7             | 13.3 | 13.6 | 14.3 | 15.5 | 12.7           | 13.3 | 13.6 | 14.3 | 15.5 |
|                 | 12H  | 13.4             | 14.0 | 14.4 | 15.0 | 16.2 | 13.4           | 14.0 | 14.4 | 15.0 | 16.2 |
| 8H              | 4H   | 10.9             | 11.5 | 11.8 | 12.4 | 13.7 | 10.9           | 11.5 | 11.8 | 12.4 | 13.7 |
|                 | 6H   | 12.6             | 13.1 | 13.6 | 14.2 | 15.4 | 12.6           | 13.1 | 13.6 | 14.2 | 15.4 |
|                 | 8H   | 13.5             | 14.0 | 14.5 | 15.0 | 16.3 | 13.5           | 14.0 | 14.5 | 15.0 | 16.3 |
|                 | 12H  | 14.4             | 14.9 | 15.4 | 15.9 | 17.2 | 14.4           | 14.9 | 15.4 | 15.9 | 17.2 |
| 12H             | 4H   | 11.0             | 11.5 | 11.9 | 12.5 | 13.8 | 11.0           | 11.5 | 11.9 | 12.5 | 13.8 |
|                 | 6H   | 12.8             | 13.3 | 13.8 | 14.3 | 15.6 | 12.8           | 13.3 | 13.8 | 14.3 | 15.6 |
|                 | 8H   | 13.8             | 14.2 | 14.8 | 15.2 | 16.5 | 13.8           | 14.2 | 14.8 | 15.2 | 16.5 |

(END OF REPORT)