

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: P1245264

Luminaire Tested: PRLX-NIM-S-935-12L-U-NL

Issue Date: 1/30/2026

**Test Information**

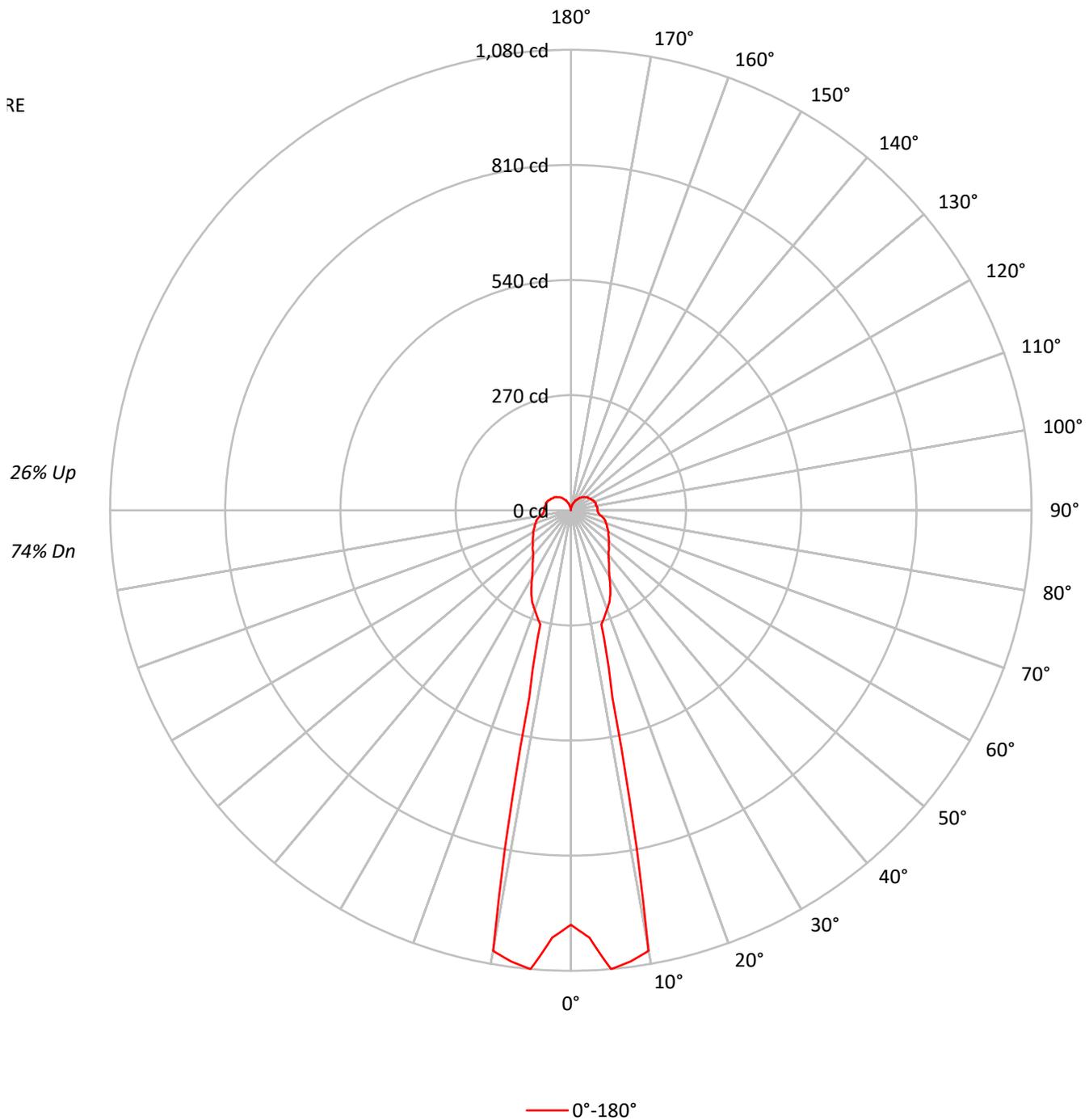
Test Method: LM-79-2019  
Report Number: P1245264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-S-935-12L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1153.9 lumens  
Efficiency: N/A  
Efficacy: 39.9 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): 28.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1245264  
CATALOG NUMBER: PRLX-NIM-S-935-12L-U-NL

### 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   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 |  | 87 | 87 | 87 |  | 78 | 78 | 78 | 74 |
| 1   | 101 | 96  | 91  | 87  | 96  | 91  | 87  | 83  | 82 | 79 | 76 |  | 74 | 71 | 69 |  | 66 | 64 | 62 | 58 |
| 2   | 92  | 84  | 77  | 71  | 87  | 80  | 73  | 68  | 72 | 67 | 63 |  | 65 | 61 | 57 |  | 58 | 55 | 52 | 49 |
| 3   | 85  | 74  | 66  | 60  | 80  | 71  | 64  | 58  | 64 | 58 | 53 |  | 58 | 53 | 49 |  | 52 | 48 | 45 | 42 |
| 4   | 78  | 67  | 58  | 52  | 74  | 64  | 56  | 50  | 58 | 52 | 47 |  | 52 | 47 | 43 |  | 47 | 43 | 40 | 37 |
| 5   | 72  | 60  | 52  | 46  | 69  | 58  | 50  | 44  | 53 | 46 | 41 |  | 48 | 43 | 39 |  | 44 | 39 | 36 | 33 |
| 6   | 68  | 55  | 47  | 41  | 64  | 53  | 45  | 40  | 48 | 42 | 37 |  | 44 | 39 | 35 |  | 41 | 36 | 33 | 30 |
| 7   | 63  | 51  | 43  | 37  | 60  | 49  | 41  | 36  | 45 | 39 | 34 |  | 41 | 36 | 32 |  | 38 | 33 | 30 | 28 |
| 8   | 59  | 47  | 39  | 34  | 56  | 45  | 38  | 33  | 42 | 36 | 31 |  | 39 | 33 | 30 |  | 36 | 31 | 28 | 26 |
| 9   | 56  | 44  | 36  | 31  | 53  | 42  | 35  | 30  | 39 | 33 | 29 |  | 36 | 31 | 27 |  | 34 | 29 | 26 | 24 |
| 10  | 53  | 41  | 34  | 29  | 51  | 40  | 33  | 28  | 37 | 31 | 27 |  | 34 | 29 | 26 |  | 32 | 28 | 24 | 23 |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 30744 |
| 5°  | 30340 |
| 10° | 26678 |
| 15° | 6478  |
| 20° | 5403  |
| 25° | 4499  |
| 30° | 3553  |
| 35° | 2949  |
| 40° | 2519  |
| 45° | 2279  |
| 50° | 2065  |
| 55° | 1907  |
| 60° | 1801  |
| 65° | 1669  |
| 70° | 1586  |
| 75° | 1512  |
| 80° | 1364  |
| 85° | 1298  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2279 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.8  | 8.7       |
| 10°-20°   | 106.9  | 9.3       |
| 20°-30°   | 99.5   | 8.6       |
| 30°-40°   | 98.0   | 8.5       |
| 40°-50°   | 97.7   | 8.5       |
| 50°-60°   | 97.2   | 8.4       |
| 60°-70°   | 93.6   | 8.1       |
| 70°-80°   | 85.3   | 7.4       |
| 80°-90°   | 70.9   | 6.1       |
| 90°-100°  | 67.8   | 5.9       |
| 100°-110° | 63.5   | 5.5       |
| 110°-120° | 55.8   | 4.8       |
| 120°-130° | 45.5   | 3.9       |
| 130°-140° | 33.9   | 2.9       |
| 140°-150° | 21.9   | 1.9       |
| 150°-160° | 11.4   | 1.0       |
| 160°-170° | 3.9    | 0.3       |
| 170°-180° | 0.4    | 0.0       |
| 0°-30°    | 307.1  | 26.6      |
| 0°-40°    | 405.1  | 35.1      |
| 0°-60°    | 600.0  | 52.0      |
| 0°-90°    | 849.8  | 73.6      |
| 90°-120°  | 187.2  | 16.2      |
| 90°-150°  | 288.5  | 25.0      |
| 90°-180°  | 304.0  | 26.3      |
| 0°-180°   | 1153.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 972  |      |
| 5°   | 1080 | 101  |
| 15°  | 277  | 107  |
| 25°  | 218  | 99   |
| 35°  | 156  | 98   |
| 45°  | 127  | 98   |
| 55°  | 108  | 97   |
| 65°  | 94   | 94   |
| 75°  | 81   | 85   |
| 85°  | 64   | 54   |
| 90°  | 62   | 34   |
| 95°  | 62   | 51   |
| 105° | 60   | 64   |
| 115° | 56   | 56   |
| 125° | 50   | 46   |
| 135° | 44   | 34   |
| 145° | 35   | 22   |
| 155° | 25   | 11   |
| 165° | 12   | 4    |
| 175° | 2    | 0    |
| 180° | 0    |      |

TEST NUMBER: P1245264

CATALOG NUMBER: PRLX-NIM-S-935-12L-U-NL

**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 971.8  |
| 2.5°   | 1003.0 |
| 5°     | 1080.0 |
| 7.5°   | 1067.5 |
| 10°    | 1048.8 |
| 12.5°  | 449.5  |
| 15°    | 276.8  |
| 17.5°  | 262.2  |
| 20°    | 247.6  |
| 22.5°  | 235.1  |
| 25°    | 218.5  |
| 27.5°  | 199.8  |
| 30°    | 181.0  |
| 32.5°  | 166.5  |
| 35°    | 156.1  |
| 37.5°  | 145.7  |
| 40°    | 137.3  |
| 42.5°  | 131.1  |
| 45°    | 126.9  |
| 47.5°  | 120.7  |
| 50°    | 116.5  |
| 52.5°  | 112.4  |
| 55°    | 108.2  |
| 57.5°  | 104.0  |
| 60°    | 102.0  |
| 62.5°  | 97.8   |
| 65°    | 93.6   |
| 67.5°  | 91.6   |
| 70°    | 87.4   |
| 72.5°  | 85.3   |
| 75°    | 81.2   |
| 77.5°  | 77.0   |
| 80°    | 70.8   |
| 82.5°  | 66.6   |
| 85°    | 64.5   |
| 87.5°  | 62.4   |
| 90°    | 62.4   |
| 92.5°  | 62.4   |
| 95°    | 62.4   |
| 97.5°  | 62.4   |
| 100°   | 60.3   |
| 102.5° | 60.3   |
| 105°   | 60.3   |
| 107.5° | 60.3   |
| 110°   | 58.3   |

TEST NUMBER: P1245264

CATALOG NUMBER: PRLX-NIM-S-935-12L-U-NL

**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 58.3 |
| 115°   | 56.2 |
| 117.5° | 54.1 |
| 120°   | 54.1 |
| 122.5° | 52.0 |
| 125°   | 49.9 |
| 127.5° | 49.9 |
| 130°   | 47.9 |
| 132.5° | 45.8 |
| 135°   | 43.7 |
| 137.5° | 41.6 |
| 140°   | 39.5 |
| 142.5° | 37.5 |
| 145°   | 35.4 |
| 147.5° | 31.2 |
| 150°   | 29.1 |
| 152.5° | 27.1 |
| 155°   | 25.0 |
| 157.5° | 20.8 |
| 160°   | 18.7 |
| 162.5° | 16.6 |
| 165°   | 12.5 |
| 167.5° | 10.4 |
| 170°   | 8.3  |
| 172.5° | 4.2  |
| 175°   | 2.1  |
| 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 | 10.8             | 11.9 | 11.5 | 12.7 | 13.6 | 10.8           | 11.9 | 11.5 | 12.7 | 13.6 |
|                 | 3H   | 13.1             | 14.1 | 13.8 | 14.9 | 15.8 | 13.1           | 14.1 | 13.8 | 14.9 | 15.8 |
|                 | 4H   | 14.2             | 15.2 | 14.9 | 15.9 | 16.9 | 14.2           | 15.2 | 14.9 | 15.9 | 16.9 |
|                 | 6H   | 15.1             | 16.1 | 15.9 | 16.8 | 17.8 | 15.1           | 16.1 | 15.9 | 16.8 | 17.8 |
|                 | 8H   | 15.6             | 16.4 | 16.3 | 17.2 | 18.2 | 15.6           | 16.4 | 16.3 | 17.2 | 18.2 |
|                 | 12H  | 16.0             | 16.8 | 16.8 | 17.6 | 18.6 | 16.0           | 16.8 | 16.8 | 17.6 | 18.6 |
| 4H              | 2H   | 11.4             | 12.4 | 12.1 | 13.1 | 14.1 | 11.4           | 12.4 | 12.1 | 13.1 | 14.1 |
|                 | 3H   | 13.9             | 14.8 | 14.7 | 15.6 | 16.5 | 13.9           | 14.8 | 14.7 | 15.6 | 16.5 |
|                 | 4H   | 15.1             | 15.9 | 15.9 | 16.7 | 17.7 | 15.1           | 15.9 | 15.9 | 16.7 | 17.7 |
|                 | 6H   | 16.3             | 17.0 | 17.1 | 17.8 | 18.8 | 16.3           | 17.0 | 17.1 | 17.8 | 18.8 |
|                 | 8H   | 16.8             | 17.4 | 17.6 | 18.2 | 19.2 | 16.8           | 17.4 | 17.6 | 18.2 | 19.2 |
|                 | 12H  | 17.3             | 17.9 | 18.1 | 18.7 | 19.7 | 17.3           | 17.9 | 18.1 | 18.7 | 19.7 |
| 8H              | 4H   | 15.5             | 16.2 | 16.3 | 17.0 | 18.0 | 15.5           | 16.2 | 16.3 | 17.0 | 18.0 |
|                 | 6H   | 16.8             | 17.4 | 17.7 | 18.2 | 19.2 | 16.8           | 17.4 | 17.7 | 18.2 | 19.2 |
|                 | 8H   | 17.5             | 18.0 | 18.3 | 18.8 | 19.8 | 17.5           | 18.0 | 18.3 | 18.8 | 19.8 |
|                 | 12H  | 18.1             | 18.6 | 19.0 | 19.4 | 20.5 | 18.1           | 18.6 | 19.0 | 19.4 | 20.5 |
| 12H             | 4H   | 15.6             | 16.2 | 16.4 | 17.0 | 18.0 | 15.6           | 16.2 | 16.4 | 17.0 | 18.0 |
|                 | 6H   | 16.9             | 17.4 | 17.8 | 18.3 | 19.3 | 16.9           | 17.4 | 17.8 | 18.3 | 19.3 |
|                 | 8H   | 17.7             | 18.1 | 18.5 | 18.9 | 20.0 | 17.7           | 18.1 | 18.5 | 18.9 | 20.0 |

(END OF REPORT)