

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: P1245113

Luminaire Tested: PRLX-NIM-L-940-16L-U-NR

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-940-16L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 5  
Light Source: -  
Ballast/Driver: -

**Summary**

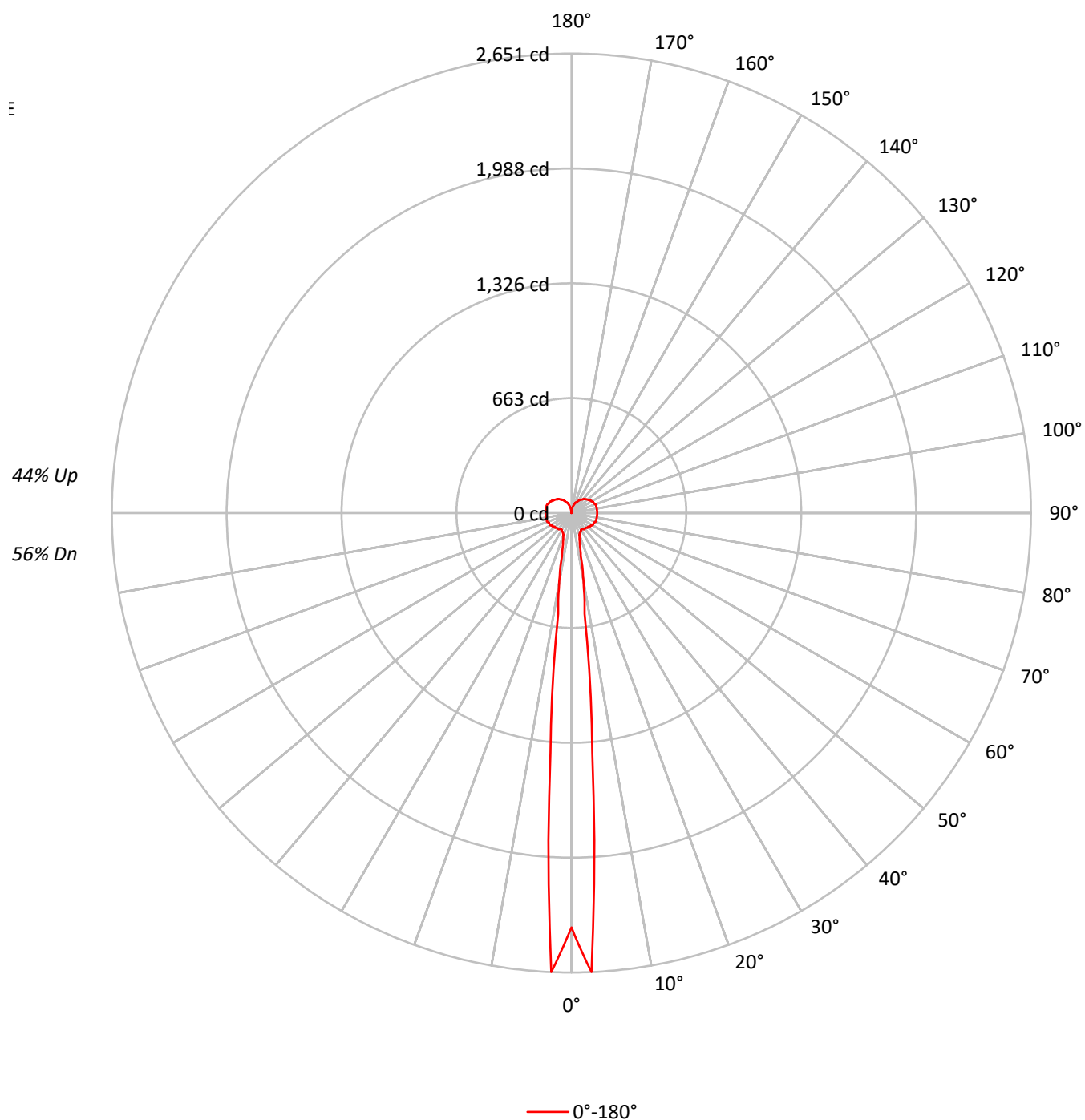
Lumens per Lamp: N/A  
Luminaire Lumens: 1728.0 lumens  
Efficiency: N/A  
Efficacy: 44.5 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 38.8  
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   | 108 | 108 | 108 | 108 |  | 101 | 101 | 101 | 101 |  | 86 | 86 | 86 |  | 73 | 73 | 73 |  | 61 | 61 | 61 |    |
| 1   | 95  | 89  | 83  | 78  |  | 87  | 82  | 77  | 73  |  | 70 | 66 | 62 |  | 58 | 55 | 53 |  | 48 | 45 | 43 |    |
| 2   | 85  | 76  | 68  | 61  |  | 78  | 70  | 63  | 57  |  | 59 | 54 | 49 |  | 49 | 45 | 42 |  | 40 | 37 | 34 |    |
| 3   | 77  | 66  | 57  | 50  |  | 71  | 61  | 53  | 47  |  | 52 | 45 | 40 |  | 43 | 38 | 34 |  | 35 | 31 | 28 |    |
| 4   | 71  | 58  | 49  | 42  |  | 65  | 54  | 46  | 40  |  | 46 | 39 | 34 |  | 38 | 33 | 29 |  | 31 | 27 | 24 |    |
| 5   | 65  | 52  | 43  | 36  |  | 60  | 48  | 40  | 34  |  | 41 | 35 | 30 |  | 34 | 29 | 25 |  | 28 | 24 | 21 |    |
| 6   | 60  | 47  | 38  | 32  |  | 55  | 44  | 36  | 30  |  | 37 | 31 | 26 |  | 31 | 26 | 22 |  | 26 | 22 | 19 |    |
| 7   | 56  | 43  | 34  | 28  |  | 51  | 40  | 32  | 27  |  | 34 | 28 | 23 |  | 29 | 24 | 20 |  | 24 | 20 | 17 |    |
| 8   | 52  | 39  | 31  | 25  |  | 48  | 36  | 29  | 24  |  | 32 | 25 | 21 |  | 27 | 22 | 18 |  | 23 | 19 | 16 |    |
| 9   | 49  | 36  | 28  | 23  |  | 45  | 34  | 27  | 22  |  | 29 | 23 | 19 |  | 25 | 20 | 17 |  | 21 | 17 | 15 |    |
| 10  | 46  | 33  | 26  | 21  |  | 43  | 31  | 25  | 20  |  | 27 | 22 | 18 |  | 24 | 19 | 16 |  | 20 | 16 | 14 |    |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 75643 |
| 5°  | 34251 |
| 10° | 8156  |
| 15° | 3233  |
| 20° | 2050  |
| 25° | 1638  |
| 30° | 1405  |
| 35° | 1303  |
| 40° | 1306  |
| 45° | 1240  |
| 50° | 1263  |
| 55° | 1295  |
| 60° | 1334  |
| 65° | 1313  |
| 70° | 1370  |
| 75° | 1369  |
| 80° | 1378  |
| 85° | 1398  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 1430 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 101.4  | 5.9       |
| 10°-20°   | 57.6   | 3.3       |
| 20°-30°   | 56.0   | 3.2       |
| 30°-40°   | 71.9   | 4.2       |
| 40°-50°   | 94.3   | 5.5       |
| 50°-60°   | 118.4  | 6.9       |
| 60°-70°   | 141.0  | 8.2       |
| 70°-80°   | 157.1  | 9.1       |
| 80°-90°   | 162.0  | 9.4       |
| 90°-100°  | 162.0  | 9.4       |
| 100°-110° | 157.1  | 9.1       |
| 110°-120° | 140.1  | 8.1       |
| 120°-130° | 115.0  | 6.7       |
| 130°-140° | 87.9   | 5.1       |
| 140°-150° | 59.1   | 3.4       |
| 150°-160° | 32.5   | 1.9       |
| 160°-170° | 13.1   | 0.8       |
| 170°-180° | 1.6    | 0.1       |
| 0°-30°    | 215.0  | 12.4      |
| 0°-40°    | 286.8  | 16.6      |
| 0°-60°    | 499.5  | 28.9      |
| 0°-90°    | 959.6  | 55.5      |
| 90°-120°  | 459.2  | 26.6      |
| 90°-150°  | 721.3  | 41.7      |
| 90°-180°  | 768.0  | 44.4      |
| 0°-180°   | 1728.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 2391 |      |
| 5°   | 1389 | 101  |
| 15°  | 186  | 58   |
| 25°  | 119  | 56   |
| 35°  | 111  | 72   |
| 45°  | 119  | 94   |
| 55°  | 134  | 118  |
| 65°  | 141  | 141  |
| 75°  | 148  | 157  |
| 85°  | 148  | 121  |
| 90°  | 148  | 81   |
| 95°  | 148  | 121  |
| 105° | 148  | 157  |
| 115° | 141  | 140  |
| 125° | 126  | 115  |
| 135° | 111  | 88   |
| 145° | 96   | 59   |
| 155° | 67   | 32   |
| 165° | 45   | 13   |
| 175° | 7    | 2    |
| 180° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 2391.0 |
| 2.5°   | 2650.9 |
| 5°     | 1388.6 |
| 7.5°   | 586.6  |
| 10°    | 401.0  |
| 12.5°  | 252.5  |
| 15°    | 185.6  |
| 17.5°  | 155.9  |
| 20°    | 133.7  |
| 22.5°  | 126.2  |
| 25°    | 118.8  |
| 27.5°  | 118.8  |
| 30°    | 111.4  |
| 32.5°  | 111.4  |
| 35°    | 111.4  |
| 37.5°  | 118.8  |
| 40°    | 118.8  |
| 42.5°  | 118.8  |
| 45°    | 118.8  |
| 47.5°  | 126.2  |
| 50°    | 126.2  |
| 52.5°  | 126.2  |
| 55°    | 133.7  |
| 57.5°  | 133.7  |
| 60°    | 141.1  |
| 62.5°  | 141.1  |
| 65°    | 141.1  |
| 67.5°  | 141.1  |
| 70°    | 148.5  |
| 72.5°  | 148.5  |
| 75°    | 148.5  |
| 77.5°  | 148.5  |
| 80°    | 148.5  |
| 82.5°  | 148.5  |
| 85°    | 148.5  |
| 87.5°  | 148.5  |
| 90°    | 148.5  |
| 92.5°  | 148.5  |
| 95°    | 148.5  |
| 97.5°  | 148.5  |
| 100°   | 148.5  |
| 102.5° | 148.5  |
| 105°   | 148.5  |
| 107.5° | 148.5  |
| 110°   | 148.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 141.1 |
| 115°   | 141.1 |
| 117.5° | 141.1 |
| 120°   | 133.7 |
| 122.5° | 133.7 |
| 125°   | 126.2 |
| 127.5° | 126.2 |
| 130°   | 118.8 |
| 132.5° | 118.8 |
| 135°   | 111.4 |
| 137.5° | 111.4 |
| 140°   | 104.0 |
| 142.5° | 96.5  |
| 145°   | 96.5  |
| 147.5° | 89.1  |
| 150°   | 81.7  |
| 152.5° | 74.3  |
| 155°   | 66.8  |
| 157.5° | 66.8  |
| 160°   | 59.4  |
| 162.5° | 52.0  |
| 165°   | 44.6  |
| 167.5° | 37.1  |
| 170°   | 29.7  |
| 172.5° | 22.3  |
| 175°   | 7.4   |
| 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 | 8.4              | 9.4  | 9.2  | 10.3 | 11.5 | 8.4            | 9.4  | 9.2  | 10.3 | 11.5 |
|                 | 3H   | 11.4             | 12.4 | 12.3 | 13.3 | 14.5 | 11.4           | 12.4 | 12.3 | 13.3 | 14.5 |
|                 | 4H   | 12.9             | 13.8 | 13.8 | 14.7 | 16.0 | 12.9           | 13.8 | 13.8 | 14.7 | 16.0 |
|                 | 6H   | 14.3             | 15.2 | 15.3 | 16.1 | 17.4 | 14.3           | 15.2 | 15.3 | 16.1 | 17.4 |
|                 | 8H   | 15.0             | 15.8 | 15.9 | 16.8 | 18.0 | 15.0           | 15.8 | 15.9 | 16.8 | 18.0 |
|                 | 12H  | 15.7             | 16.5 | 16.6 | 17.4 | 18.7 | 15.7           | 16.5 | 16.6 | 17.4 | 18.7 |
| 4H              | 2H   | 9.1              | 10.0 | 10.1 | 11.0 | 12.2 | 9.1            | 10.0 | 10.1 | 11.0 | 12.2 |
|                 | 3H   | 12.4             | 13.2 | 13.3 | 14.2 | 15.4 | 12.4           | 13.2 | 13.3 | 14.2 | 15.4 |
|                 | 4H   | 14.0             | 14.8 | 15.0 | 15.7 | 17.0 | 14.0           | 14.8 | 15.0 | 15.7 | 17.0 |
|                 | 6H   | 15.6             | 16.3 | 16.6 | 17.3 | 18.5 | 15.6           | 16.3 | 16.6 | 17.3 | 18.5 |
|                 | 8H   | 16.4             | 17.0 | 17.3 | 18.0 | 19.3 | 16.4           | 17.0 | 17.3 | 18.0 | 19.3 |
|                 | 12H  | 17.2             | 17.7 | 18.1 | 18.7 | 20.0 | 17.2           | 17.7 | 18.1 | 18.7 | 20.0 |
| 8H              | 4H   | 14.6             | 15.2 | 15.5 | 16.1 | 17.4 | 14.6           | 15.2 | 15.5 | 16.1 | 17.4 |
|                 | 6H   | 16.3             | 16.9 | 17.3 | 17.9 | 19.2 | 16.3           | 16.9 | 17.3 | 17.9 | 19.2 |
|                 | 8H   | 17.3             | 17.7 | 18.2 | 18.7 | 20.0 | 17.3           | 17.7 | 18.2 | 18.7 | 20.0 |
|                 | 12H  | 18.2             | 18.6 | 19.2 | 19.6 | 20.9 | 18.2           | 18.6 | 19.2 | 19.6 | 20.9 |
| 12H             | 4H   | 14.7             | 15.2 | 15.6 | 16.2 | 17.5 | 14.7           | 15.2 | 15.6 | 16.2 | 17.5 |
|                 | 6H   | 16.5             | 17.0 | 17.5 | 18.0 | 19.3 | 16.5           | 17.0 | 17.5 | 18.0 | 19.3 |
|                 | 8H   | 17.5             | 18.0 | 18.5 | 19.0 | 20.3 | 17.5           | 18.0 | 18.5 | 19.0 | 20.3 |

(END OF REPORT)