

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: P1245039

Luminaire Tested: PRLX-NIM-L-930-09L-U-LF

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245039  
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-930-09L-U-LF  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE  
LIGHT LEVEL 3  
Light Source: -  
Ballast/Driver: -

**Summary**

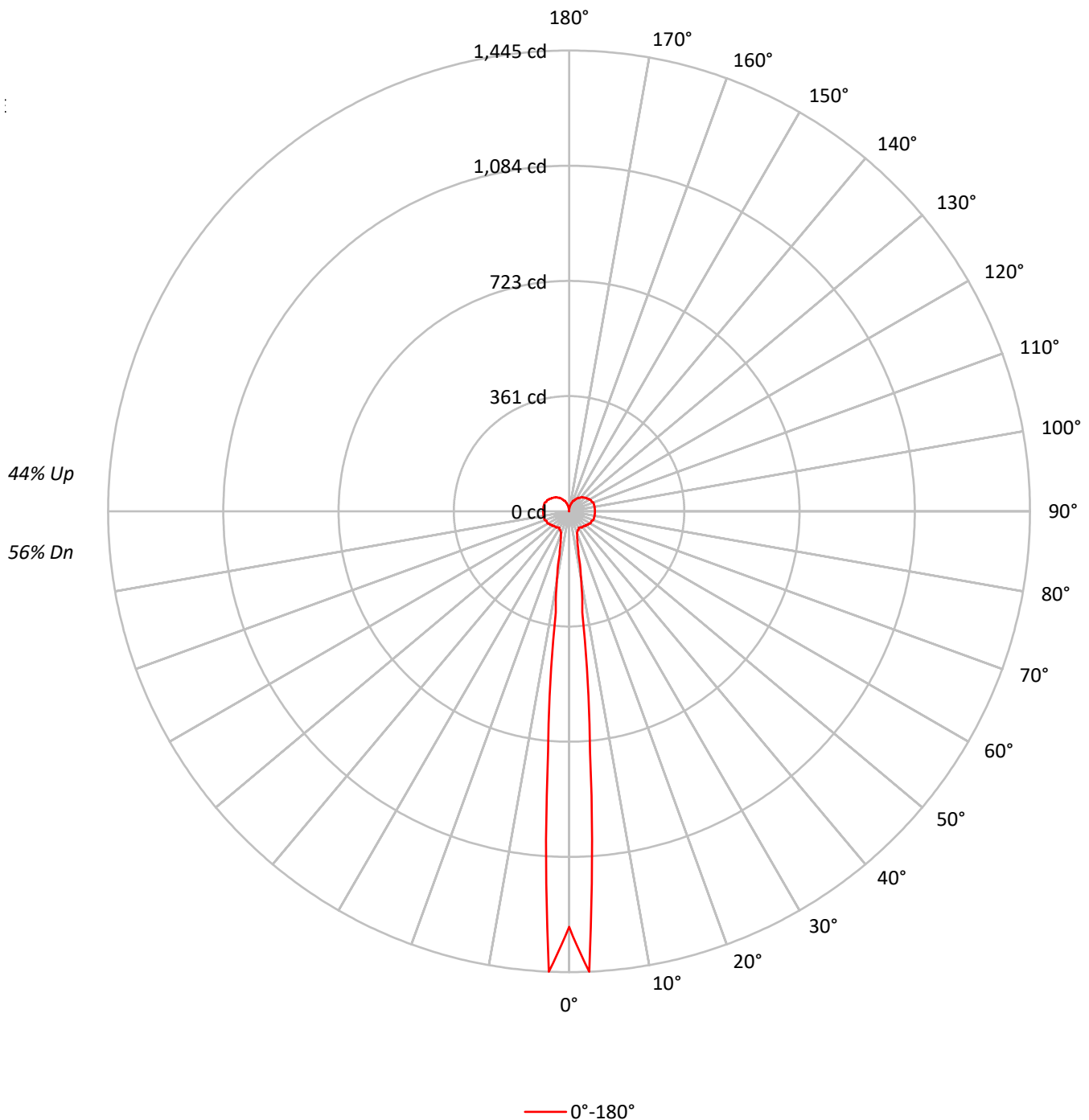
Lumens per Lamp: N/A  
Luminaire Lumens: 942.2 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')  
CIE Type: General Diffuse

Input Watts (W): 22.6  
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  |  |  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |  |  |
| 0   | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 56 |  |  |
| 1   | 95  | 89  | 83  | 78  | 87  | 82  | 77  | 73  | 70 | 66 | 62 | 58 | 55 | 53 | 48 | 45 | 43 | 38 |  |  |
| 2   | 85  | 76  | 68  | 61  | 78  | 70  | 63  | 57  | 59 | 54 | 49 | 49 | 45 | 42 | 40 | 37 | 34 | 30 |  |  |
| 3   | 77  | 66  | 57  | 50  | 71  | 61  | 53  | 47  | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 28 | 24 |  |  |
| 4   | 71  | 58  | 49  | 42  | 65  | 54  | 46  | 40  | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 20 |  |  |
| 5   | 65  | 52  | 43  | 36  | 60  | 48  | 40  | 34  | 41 | 35 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 18 |  |  |
| 6   | 60  | 47  | 38  | 32  | 55  | 44  | 36  | 30  | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 16 |  |  |
| 7   | 56  | 43  | 34  | 28  | 51  | 40  | 32  | 27  | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 15 |  |  |
| 8   | 52  | 39  | 31  | 25  | 48  | 36  | 29  | 24  | 32 | 25 | 21 | 27 | 22 | 18 | 23 | 19 | 16 | 13 |  |  |
| 9   | 49  | 36  | 28  | 23  | 45  | 34  | 27  | 22  | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 12 |  |  |
| 10  | 46  | 33  | 26  | 21  | 43  | 31  | 25  | 20  | 27 | 22 | 18 | 24 | 19 | 16 | 20 | 16 | 14 | 12 |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 41235 |
| 5°  | 18672 |
| 10° | 4446  |
| 15° | 1763  |
| 20° | 1118  |
| 25° | 893   |
| 30° | 765   |
| 35° | 710   |
| 40° | 712   |
| 45° | 676   |
| 50° | 689   |
| 55° | 706   |
| 60° | 727   |
| 65° | 715   |
| 70° | 747   |
| 75° | 746   |
| 80° | 752   |
| 85° | 763   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $90^\circ$

Luminance: 780 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.3   | 5.9       |
| 10°-20°   | 31.4   | 3.3       |
| 20°-30°   | 30.5   | 3.2       |
| 30°-40°   | 39.2   | 4.2       |
| 40°-50°   | 51.4   | 5.5       |
| 50°-60°   | 64.5   | 6.9       |
| 60°-70°   | 76.9   | 8.2       |
| 70°-80°   | 85.7   | 9.1       |
| 80°-90°   | 88.4   | 9.4       |
| 90°-100°  | 88.4   | 9.4       |
| 100°-110° | 85.7   | 9.1       |
| 110°-120° | 76.4   | 8.1       |
| 120°-130° | 62.7   | 6.7       |
| 130°-140° | 47.9   | 5.1       |
| 140°-150° | 32.2   | 3.4       |
| 150°-160° | 17.7   | 1.9       |
| 160°-170° | 7.1    | 0.8       |
| 170°-180° | 0.9    | 0.1       |
| 0°-30°    | 117.2  | 12.4      |
| 0°-40°    | 156.4  | 16.6      |
| 0°-60°    | 272.3  | 28.9      |
| 0°-90°    | 523.2  | 55.5      |
| 90°-120°  | 250.4  | 26.6      |
| 90°-150°  | 393.3  | 41.7      |
| 90°-180°  | 419.0  | 44.5      |
| 0°-180°   | 942.2  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 1303 |      |
| 5°   | 757  | 55   |
| 15°  | 101  | 31   |
| 25°  | 65   | 31   |
| 35°  | 61   | 39   |
| 45°  | 65   | 51   |
| 55°  | 73   | 65   |
| 65°  | 77   | 77   |
| 75°  | 81   | 86   |
| 85°  | 81   | 66   |
| 90°  | 81   | 44   |
| 95°  | 81   | 66   |
| 105° | 81   | 86   |
| 115° | 77   | 76   |
| 125° | 69   | 63   |
| 135° | 61   | 48   |
| 145° | 53   | 32   |
| 155° | 36   | 18   |
| 165° | 24   | 7    |
| 175° | 4    | 1    |
| 180° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1303.4 |
| 2.5°   | 1445.1 |
| 5°     | 757.0  |
| 7.5°   | 319.8  |
| 10°    | 218.6  |
| 12.5°  | 137.6  |
| 15°    | 101.2  |
| 17.5°  | 85.0   |
| 20°    | 72.9   |
| 22.5°  | 68.8   |
| 25°    | 64.8   |
| 27.5°  | 64.8   |
| 30°    | 60.7   |
| 32.5°  | 60.7   |
| 35°    | 60.7   |
| 37.5°  | 64.8   |
| 40°    | 64.8   |
| 42.5°  | 64.8   |
| 45°    | 64.8   |
| 47.5°  | 68.8   |
| 50°    | 68.8   |
| 52.5°  | 68.8   |
| 55°    | 72.9   |
| 57.5°  | 72.9   |
| 60°    | 76.9   |
| 62.5°  | 76.9   |
| 65°    | 76.9   |
| 67.5°  | 76.9   |
| 70°    | 81.0   |
| 72.5°  | 81.0   |
| 75°    | 81.0   |
| 77.5°  | 81.0   |
| 80°    | 81.0   |
| 82.5°  | 81.0   |
| 85°    | 81.0   |
| 87.5°  | 81.0   |
| 90°    | 81.0   |
| 92.5°  | 81.0   |
| 95°    | 81.0   |
| 97.5°  | 81.0   |
| 100°   | 81.0   |
| 102.5° | 81.0   |
| 105°   | 81.0   |
| 107.5° | 81.0   |
| 110°   | 81.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 76.9 |
| 115°   | 76.9 |
| 117.5° | 76.9 |
| 120°   | 72.9 |
| 122.5° | 72.9 |
| 125°   | 68.8 |
| 127.5° | 68.8 |
| 130°   | 64.8 |
| 132.5° | 64.8 |
| 135°   | 60.7 |
| 137.5° | 60.7 |
| 140°   | 56.7 |
| 142.5° | 52.6 |
| 145°   | 52.6 |
| 147.5° | 48.6 |
| 150°   | 44.5 |
| 152.5° | 40.5 |
| 155°   | 36.4 |
| 157.5° | 36.4 |
| 160°   | 32.4 |
| 162.5° | 28.3 |
| 165°   | 24.3 |
| 167.5° | 20.2 |
| 170°   | 16.2 |
| 172.5° | 12.1 |
| 175°   | 4.0  |
| 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 | 6.2              | 7.3  | 7.1  | 8.2  | 9.4  | 6.2            | 7.3  | 7.1  | 8.2  | 9.4  |
|                 | 3H   | 9.3              | 10.3 | 10.2 | 11.2 | 12.4 | 9.3            | 10.3 | 10.2 | 11.2 | 12.4 |
|                 | 4H   | 10.8             | 11.7 | 11.7 | 12.6 | 13.9 | 10.8           | 11.7 | 11.7 | 12.6 | 13.9 |
|                 | 6H   | 12.2             | 13.1 | 13.2 | 14.0 | 15.3 | 12.2           | 13.1 | 13.2 | 14.0 | 15.3 |
|                 | 8H   | 12.9             | 13.7 | 13.8 | 14.7 | 15.9 | 12.9           | 13.7 | 13.8 | 14.7 | 15.9 |
|                 | 12H  | 13.6             | 14.4 | 14.5 | 15.3 | 16.6 | 13.6           | 14.4 | 14.5 | 15.3 | 16.6 |
| 4H              | 2H   | 7.0              | 7.9  | 7.9  | 8.9  | 10.1 | 7.0            | 7.9  | 7.9  | 8.9  | 10.1 |
|                 | 3H   | 10.3             | 11.1 | 11.2 | 12.1 | 13.3 | 10.3           | 11.1 | 11.2 | 12.1 | 13.3 |
|                 | 4H   | 11.9             | 12.7 | 12.9 | 13.6 | 14.9 | 11.9           | 12.7 | 12.9 | 13.6 | 14.9 |
|                 | 6H   | 13.5             | 14.2 | 14.5 | 15.2 | 16.4 | 13.5           | 14.2 | 14.5 | 15.2 | 16.4 |
|                 | 8H   | 14.3             | 14.9 | 15.2 | 15.9 | 17.1 | 14.3           | 14.9 | 15.2 | 15.9 | 17.1 |
|                 | 12H  | 15.1             | 15.6 | 16.0 | 16.6 | 17.9 | 15.1           | 15.6 | 16.0 | 16.6 | 17.9 |
| 8H              | 4H   | 12.4             | 13.1 | 13.4 | 14.0 | 15.3 | 12.4           | 13.1 | 13.4 | 14.0 | 15.3 |
|                 | 6H   | 14.2             | 14.8 | 15.2 | 15.8 | 17.0 | 14.2           | 14.8 | 15.2 | 15.8 | 17.0 |
|                 | 8H   | 15.2             | 15.6 | 16.1 | 16.6 | 17.9 | 15.2           | 15.6 | 16.1 | 16.6 | 17.9 |
|                 | 12H  | 16.1             | 16.5 | 17.1 | 17.5 | 18.8 | 16.1           | 16.5 | 17.1 | 17.5 | 18.8 |
| 12H             | 4H   | 12.6             | 13.1 | 13.5 | 14.1 | 15.4 | 12.6           | 13.1 | 13.5 | 14.1 | 15.4 |
|                 | 6H   | 14.4             | 14.9 | 15.4 | 15.9 | 17.2 | 14.4           | 14.9 | 15.4 | 15.9 | 17.2 |
|                 | 8H   | 15.4             | 15.9 | 16.4 | 16.9 | 18.2 | 15.4           | 15.9 | 16.4 | 16.9 | 18.2 |

(END OF REPORT)