

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: P1244870

Luminaire Tested: PRLX-MIN-L-940-20L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-MIN-L-940-20L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

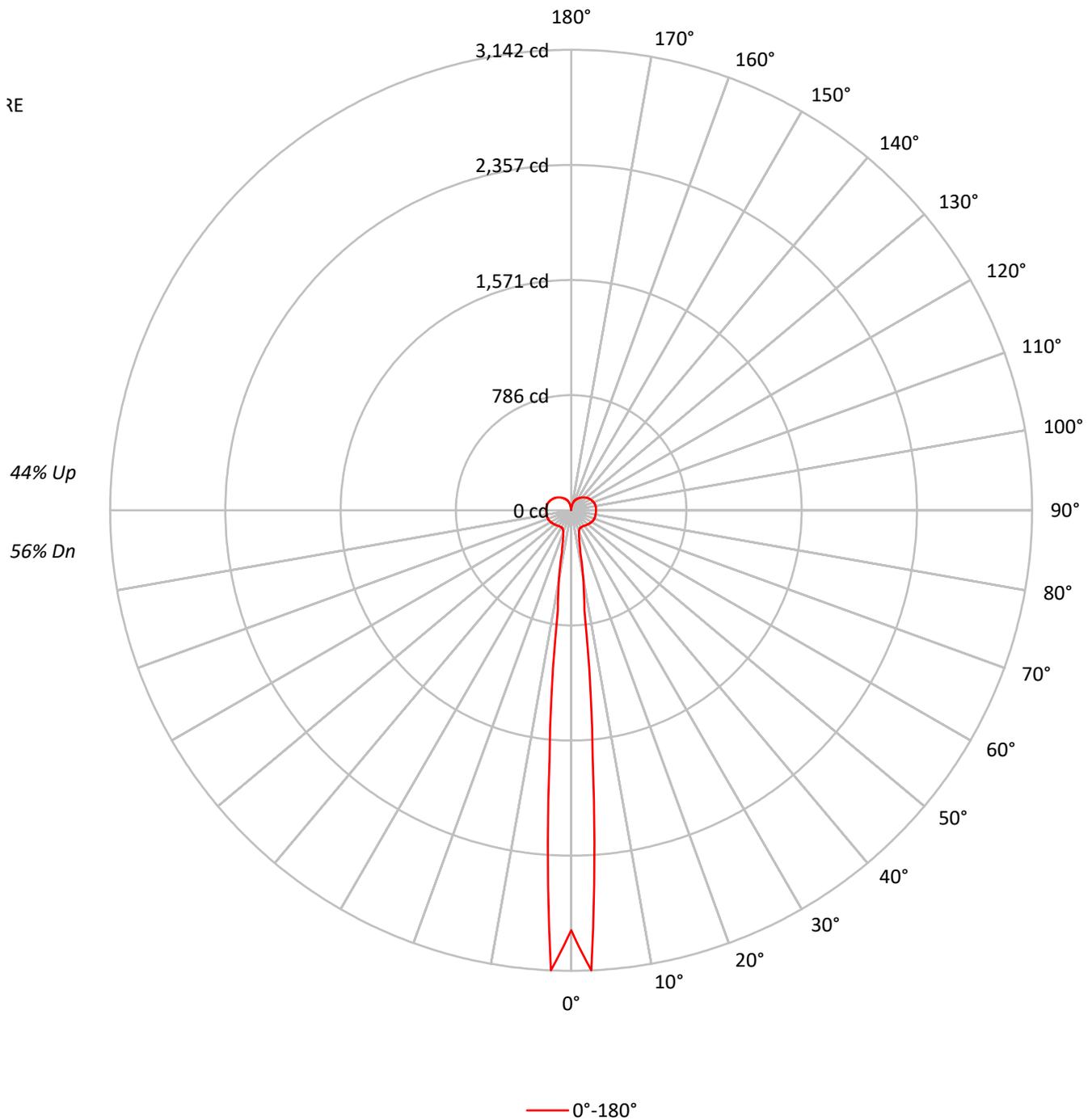
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1976.2 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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): 48.6  
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 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 62 | 62 | 62 | 56 |
| 1   | 95  | 89  | 83  | 78  | 88  | 82  | 77  | 73  | 70 | 66 | 63 | 59 | 56 | 53 | 48 | 46 | 44 | 39 |
| 2   | 85  | 76  | 68  | 62  | 79  | 70  | 63  | 58  | 60 | 54 | 50 | 50 | 46 | 42 | 41 | 38 | 35 | 30 |
| 3   | 77  | 66  | 57  | 50  | 71  | 61  | 53  | 47  | 52 | 46 | 41 | 43 | 39 | 35 | 36 | 32 | 29 | 25 |
| 4   | 71  | 58  | 49  | 42  | 65  | 54  | 46  | 40  | 46 | 40 | 35 | 39 | 34 | 30 | 32 | 28 | 25 | 21 |
| 5   | 65  | 52  | 43  | 36  | 60  | 48  | 40  | 34  | 41 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 18 |
| 6   | 60  | 47  | 38  | 32  | 55  | 44  | 36  | 30  | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 22 | 19 | 16 |
| 7   | 56  | 43  | 34  | 28  | 52  | 40  | 32  | 27  | 35 | 28 | 24 | 29 | 24 | 21 | 25 | 21 | 18 | 15 |
| 8   | 52  | 39  | 31  | 25  | 48  | 37  | 29  | 24  | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 14 |
| 9   | 49  | 36  | 28  | 23  | 45  | 34  | 27  | 22  | 30 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 13 |
| 10  | 46  | 34  | 26  | 21  | 43  | 32  | 25  | 20  | 28 | 22 | 18 | 24 | 19 | 16 | 21 | 17 | 14 | 12 |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 90613 |
| 5°  | 41552 |
| 10° | 9686  |
| 15° | 3698  |
| 20° | 2389  |
| 25° | 1901  |
| 30° | 1688  |
| 35° | 1578  |
| 40° | 1527  |
| 45° | 1502  |
| 50° | 1490  |
| 55° | 1500  |
| 60° | 1510  |
| 65° | 1532  |
| 70° | 1547  |
| 75° | 1564  |
| 80° | 1565  |
| 85° | 1598  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1634 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.8  | 6.1       |
| 10°-20°   | 66.5   | 3.4       |
| 20°-30°   | 64.8   | 3.3       |
| 30°-40°   | 85.0   | 4.3       |
| 40°-50°   | 111.5  | 5.6       |
| 50°-60°   | 138.8  | 7.0       |
| 60°-70°   | 163.3  | 8.3       |
| 70°-80°   | 178.6  | 9.0       |
| 80°-90°   | 184.7  | 9.3       |
| 90°-100°  | 185.0  | 9.4       |
| 100°-110° | 175.8  | 8.9       |
| 110°-120° | 155.6  | 7.9       |
| 120°-130° | 128.1  | 6.5       |
| 130°-140° | 96.7   | 4.9       |
| 140°-150° | 65.3   | 3.3       |
| 150°-160° | 38.2   | 1.9       |
| 160°-170° | 15.7   | 0.8       |
| 170°-180° | 1.5    | 0.1       |
| 0°-30°    | 252.1  | 12.8      |
| 0°-40°    | 337.2  | 17.1      |
| 0°-60°    | 587.5  | 29.7      |
| 0°-90°    | 1114.2 | 56.4      |
| 90°-120°  | 516.4  | 26.1      |
| 90°-150°  | 806.5  | 40.8      |
| 90°-180°  | 862.0  | 43.6      |
| 0°-180°   | 1976.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 2864 |      |
| 5°   | 1685 | 121  |
| 15°  | 212  | 67   |
| 25°  | 138  | 65   |
| 35°  | 135  | 85   |
| 45°  | 144  | 112  |
| 55°  | 155  | 139  |
| 65°  | 165  | 163  |
| 75°  | 170  | 179  |
| 85°  | 170  | 138  |
| 90°  | 170  | 93   |
| 95°  | 170  | 139  |
| 105° | 167  | 176  |
| 115° | 157  | 156  |
| 125° | 143  | 128  |
| 135° | 125  | 97   |
| 145° | 103  | 65   |
| 155° | 82   | 38   |
| 165° | 56   | 16   |
| 175° | 8    | 2    |
| 180° | 1    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 2864.2 |
| 2.5°   | 3142.0 |
| 5°     | 1684.6 |
| 7.5°   | 685.5  |
| 10°    | 476.2  |
| 12.5°  | 291.7  |
| 15°    | 212.3  |
| 17.5°  | 176.6  |
| 20°    | 155.8  |
| 22.5°  | 144.8  |
| 25°    | 137.9  |
| 27.5°  | 134.9  |
| 30°    | 133.9  |
| 32.5°  | 133.9  |
| 35°    | 134.9  |
| 37.5°  | 135.9  |
| 40°    | 138.9  |
| 42.5°  | 140.9  |
| 45°    | 143.9  |
| 47.5°  | 146.8  |
| 50°    | 148.8  |
| 52.5°  | 151.8  |
| 55°    | 154.8  |
| 57.5°  | 157.7  |
| 60°    | 159.7  |
| 62.5°  | 162.7  |
| 65°    | 164.7  |
| 67.5°  | 166.7  |
| 70°    | 167.7  |
| 72.5°  | 168.7  |
| 75°    | 169.7  |
| 77.5°  | 168.7  |
| 80°    | 168.7  |
| 82.5°  | 168.7  |
| 85°    | 169.7  |
| 87.5°  | 169.7  |
| 90°    | 169.7  |
| 92.5°  | 169.7  |
| 95°    | 169.7  |
| 97.5°  | 169.7  |
| 100°   | 168.7  |
| 102.5° | 167.7  |
| 105°   | 166.7  |
| 107.5° | 164.7  |
| 110°   | 162.7  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 159.7 |
| 115°   | 156.8 |
| 117.5° | 153.8 |
| 120°   | 149.8 |
| 122.5° | 146.8 |
| 125°   | 142.9 |
| 127.5° | 138.9 |
| 130°   | 133.9 |
| 132.5° | 130.0 |
| 135°   | 125.0 |
| 137.5° | 119.1 |
| 140°   | 114.1 |
| 142.5° | 109.1 |
| 145°   | 103.2 |
| 147.5° | 98.2  |
| 150°   | 93.3  |
| 152.5° | 87.3  |
| 155°   | 82.3  |
| 157.5° | 76.4  |
| 160°   | 70.4  |
| 162.5° | 63.5  |
| 165°   | 55.6  |
| 167.5° | 44.6  |
| 170°   | 30.8  |
| 172.5° | 18.9  |
| 175°   | 7.9   |
| 177.5° | 2.0   |
| 180°   | 1.0   |



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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 | 9.0              | 10.1 | 9.9  | 11.0 | 12.2 | 9.0            | 10.1 | 9.9  | 11.0 | 12.2 |
|                 | 3H   | 12.0             | 13.0 | 12.9 | 13.9 | 15.1 | 12.0           | 13.0 | 12.9 | 13.9 | 15.1 |
|                 | 4H   | 13.5             | 14.4 | 14.4 | 15.3 | 16.5 | 13.5           | 14.4 | 14.4 | 15.3 | 16.5 |
|                 | 6H   | 14.9             | 15.7 | 15.8 | 16.7 | 17.9 | 14.9           | 15.7 | 15.8 | 16.7 | 17.9 |
|                 | 8H   | 15.5             | 16.3 | 16.4 | 17.3 | 18.5 | 15.5           | 16.3 | 16.4 | 17.3 | 18.5 |
|                 | 12H  | 16.2             | 17.0 | 17.1 | 17.9 | 19.2 | 16.2           | 17.0 | 17.1 | 17.9 | 19.2 |
| 4H              | 2H   | 9.8              | 10.7 | 10.7 | 11.7 | 12.8 | 9.8            | 10.7 | 10.7 | 11.7 | 12.8 |
|                 | 3H   | 13.0             | 13.8 | 13.9 | 14.7 | 15.9 | 13.0           | 13.8 | 13.9 | 14.7 | 15.9 |
|                 | 4H   | 14.6             | 15.3 | 15.5 | 16.3 | 17.5 | 14.6           | 15.3 | 15.5 | 16.3 | 17.5 |
|                 | 6H   | 16.1             | 16.8 | 17.1 | 17.8 | 19.0 | 16.1           | 16.8 | 17.1 | 17.8 | 19.0 |
|                 | 8H   | 16.9             | 17.5 | 17.8 | 18.5 | 19.7 | 16.9           | 17.5 | 17.8 | 18.5 | 19.7 |
|                 | 12H  | 17.6             | 18.2 | 18.6 | 19.2 | 20.5 | 17.6           | 18.2 | 18.6 | 19.2 | 20.5 |
| 8H              | 4H   | 15.1             | 15.7 | 16.0 | 16.7 | 17.9 | 15.1           | 15.7 | 16.0 | 16.7 | 17.9 |
|                 | 6H   | 16.8             | 17.4 | 17.8 | 18.4 | 19.6 | 16.8           | 17.4 | 17.8 | 18.4 | 19.6 |
|                 | 8H   | 17.7             | 18.2 | 18.7 | 19.2 | 20.5 | 17.7           | 18.2 | 18.7 | 19.2 | 20.5 |
|                 | 12H  | 18.7             | 19.1 | 19.7 | 20.1 | 21.4 | 18.7           | 19.1 | 19.7 | 20.1 | 21.4 |
| 12H             | 4H   | 15.2             | 15.8 | 16.1 | 16.7 | 18.0 | 15.2           | 15.8 | 16.1 | 16.7 | 18.0 |
|                 | 6H   | 17.0             | 17.5 | 18.0 | 18.5 | 19.8 | 17.0           | 17.5 | 18.0 | 18.5 | 19.8 |
|                 | 8H   | 18.0             | 18.4 | 19.0 | 19.4 | 20.7 | 18.0           | 18.4 | 19.0 | 19.4 | 20.7 |

(END OF REPORT)