

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: P1244876

Luminaire Tested: PRLX-MIN-L-940-27L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1244876  
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-940-27L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 8  
Light Source: -  
Ballast/Driver: -

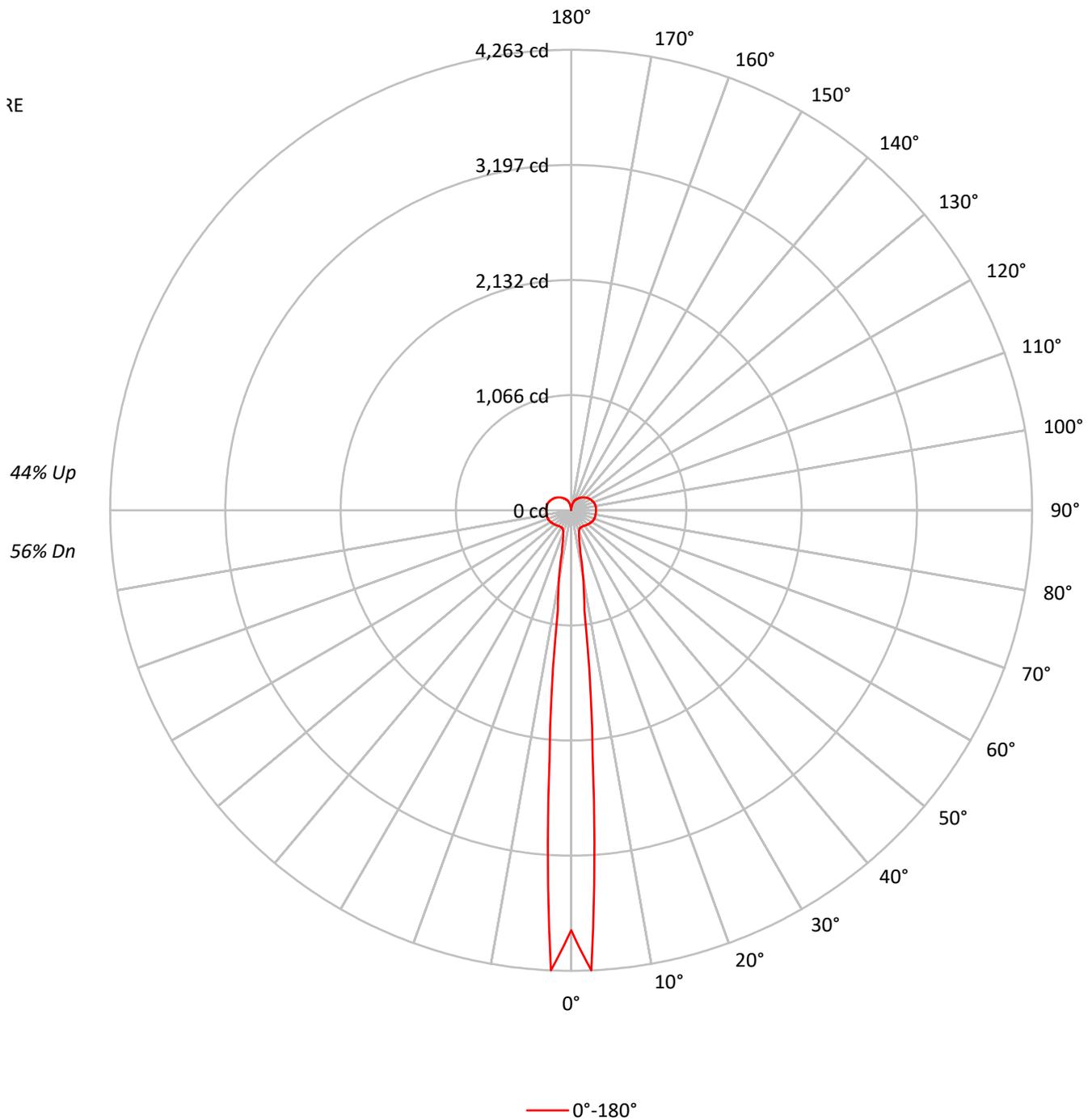
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2681.0 lumens  
Efficiency: N/A  
Efficacy: 38.6 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): 69.4  
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

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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°  | 122942 |
| 5°  | 56377  |
| 10° | 13141  |
| 15° | 5018   |
| 20° | 3239   |
| 25° | 2579   |
| 30° | 2291   |
| 35° | 2142   |
| 40° | 2072   |
| 45° | 2038   |
| 50° | 2021   |
| 55° | 2035   |
| 60° | 2049   |
| 65° | 2078   |
| 70° | 2098   |
| 75° | 2121   |
| 80° | 2123   |
| 85° | 2167   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 2216 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 163.9  | 6.1       |
| 10°-20°   | 90.2   | 3.4       |
| 20°-30°   | 87.9   | 3.3       |
| 30°-40°   | 115.4  | 4.3       |
| 40°-50°   | 151.3  | 5.6       |
| 50°-60°   | 188.4  | 7.0       |
| 60°-70°   | 221.5  | 8.3       |
| 70°-80°   | 242.3  | 9.0       |
| 80°-90°   | 250.6  | 9.3       |
| 90°-100°  | 251.0  | 9.4       |
| 100°-110° | 238.5  | 8.9       |
| 110°-120° | 211.1  | 7.9       |
| 120°-130° | 173.8  | 6.5       |
| 130°-140° | 131.1  | 4.9       |
| 140°-150° | 88.6   | 3.3       |
| 150°-160° | 51.9   | 1.9       |
| 160°-170° | 21.4   | 0.8       |
| 170°-180° | 2.1    | 0.1       |
| 0°-30°    | 342.1  | 12.8      |
| 0°-40°    | 457.5  | 17.1      |
| 0°-60°    | 797.2  | 29.7      |
| 0°-90°    | 1511.5 | 56.4      |
| 90°-120°  | 700.6  | 26.1      |
| 90°-150°  | 1094.1 | 40.8      |
| 90°-180°  | 1169.0 | 43.6      |
| 0°-180°   | 2681.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 3886 |      |
| 5°   | 2286 | 164  |
| 15°  | 288  | 90   |
| 25°  | 187  | 88   |
| 35°  | 183  | 115  |
| 45°  | 195  | 151  |
| 55°  | 210  | 188  |
| 65°  | 223  | 222  |
| 75°  | 230  | 242  |
| 85°  | 230  | 188  |
| 90°  | 230  | 126  |
| 95°  | 230  | 188  |
| 105° | 226  | 239  |
| 115° | 213  | 211  |
| 125° | 194  | 174  |
| 135° | 170  | 131  |
| 145° | 140  | 89   |
| 155° | 112  | 52   |
| 165° | 75   | 21   |
| 175° | 11   | 2    |
| 180° | 1    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 3886.1 |
| 2.5°   | 4263.0 |
| 5°     | 2285.6 |
| 7.5°   | 930.1  |
| 10°    | 646.1  |
| 12.5°  | 395.7  |
| 15°    | 288.1  |
| 17.5°  | 239.6  |
| 20°    | 211.3  |
| 22.5°  | 196.5  |
| 25°    | 187.1  |
| 27.5°  | 183.1  |
| 30°    | 181.7  |
| 32.5°  | 181.7  |
| 35°    | 183.1  |
| 37.5°  | 184.4  |
| 40°    | 188.5  |
| 42.5°  | 191.1  |
| 45°    | 195.2  |
| 47.5°  | 199.2  |
| 50°    | 201.9  |
| 52.5°  | 206.0  |
| 55°    | 210.0  |
| 57.5°  | 214.0  |
| 60°    | 216.7  |
| 62.5°  | 220.8  |
| 65°    | 223.4  |
| 67.5°  | 226.1  |
| 70°    | 227.5  |
| 72.5°  | 228.8  |
| 75°    | 230.2  |
| 77.5°  | 228.8  |
| 80°    | 228.8  |
| 82.5°  | 228.8  |
| 85°    | 230.2  |
| 87.5°  | 230.2  |
| 90°    | 230.2  |
| 92.5°  | 230.2  |
| 95°    | 230.2  |
| 97.5°  | 230.2  |
| 100°   | 228.8  |
| 102.5° | 227.5  |
| 105°   | 226.1  |
| 107.5° | 223.4  |
| 110°   | 220.8  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 216.7 |
| 115°   | 212.7 |
| 117.5° | 208.6 |
| 120°   | 203.3 |
| 122.5° | 199.2 |
| 125°   | 193.8 |
| 127.5° | 188.5 |
| 130°   | 181.7 |
| 132.5° | 176.3 |
| 135°   | 169.6 |
| 137.5° | 161.5 |
| 140°   | 154.8 |
| 142.5° | 148.1 |
| 145°   | 140.0 |
| 147.5° | 133.3 |
| 150°   | 126.5 |
| 152.5° | 118.5 |
| 155°   | 111.7 |
| 157.5° | 103.6 |
| 160°   | 95.6  |
| 162.5° | 86.1  |
| 165°   | 75.4  |
| 167.5° | 60.6  |
| 170°   | 41.7  |
| 172.5° | 25.6  |
| 175°   | 10.8  |
| 177.5° | 2.7   |
| 180°   | 1.3   |



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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 | 10.1             | 11.1 | 11.0 | 12.0 | 13.2 | 10.1           | 11.1 | 11.0 | 12.0 | 13.2 |
|                 | 3H   | 13.1             | 14.0 | 14.0 | 15.0 | 16.2 | 13.1           | 14.0 | 14.0 | 15.0 | 16.2 |
|                 | 4H   | 14.5             | 15.4 | 15.4 | 16.4 | 17.6 | 14.5           | 15.4 | 15.4 | 16.4 | 17.6 |
|                 | 6H   | 15.9             | 16.8 | 16.8 | 17.7 | 18.9 | 15.9           | 16.8 | 16.8 | 17.7 | 18.9 |
|                 | 8H   | 16.6             | 17.4 | 17.5 | 18.4 | 19.6 | 16.6           | 17.4 | 17.5 | 18.4 | 19.6 |
|                 | 12H  | 17.2             | 18.0 | 18.2 | 19.0 | 20.2 | 17.2           | 18.0 | 18.2 | 19.0 | 20.2 |
| 4H              | 2H   | 10.9             | 11.8 | 11.8 | 12.7 | 13.9 | 10.9           | 11.8 | 11.8 | 12.7 | 13.9 |
|                 | 3H   | 14.0             | 14.8 | 15.0 | 15.8 | 17.0 | 14.0           | 14.8 | 15.0 | 15.8 | 17.0 |
|                 | 4H   | 15.6             | 16.4 | 16.5 | 17.3 | 18.6 | 15.6           | 16.4 | 16.5 | 17.3 | 18.6 |
|                 | 6H   | 17.2             | 17.8 | 18.1 | 18.8 | 20.1 | 17.2           | 17.8 | 18.1 | 18.8 | 20.1 |
|                 | 8H   | 17.9             | 18.6 | 18.9 | 19.5 | 20.8 | 17.9           | 18.6 | 18.9 | 19.5 | 20.8 |
|                 | 12H  | 18.7             | 19.3 | 19.7 | 20.3 | 21.5 | 18.7           | 19.3 | 19.7 | 20.3 | 21.5 |
| 8H              | 4H   | 16.1             | 16.8 | 17.1 | 17.7 | 19.0 | 16.1           | 16.8 | 17.1 | 17.7 | 19.0 |
|                 | 6H   | 17.9             | 18.4 | 18.9 | 19.4 | 20.7 | 17.9           | 18.4 | 18.9 | 19.4 | 20.7 |
|                 | 8H   | 18.8             | 19.3 | 19.8 | 20.3 | 21.5 | 18.8           | 19.3 | 19.8 | 20.3 | 21.5 |
|                 | 12H  | 19.7             | 20.2 | 20.7 | 21.2 | 22.5 | 19.7           | 20.2 | 20.7 | 21.2 | 22.5 |
| 12H             | 4H   | 16.2             | 16.8 | 17.2 | 17.8 | 19.1 | 16.2           | 16.8 | 17.2 | 17.8 | 19.1 |
|                 | 6H   | 18.1             | 18.6 | 19.0 | 19.6 | 20.8 | 18.1           | 18.6 | 19.0 | 19.6 | 20.8 |
|                 | 8H   | 19.1             | 19.5 | 20.0 | 20.5 | 21.8 | 19.1           | 19.5 | 20.0 | 20.5 | 21.8 |

(END OF REPORT)