

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: P1245439

Luminaire Tested: PRLX-UNA-M-940-06L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-940-06L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

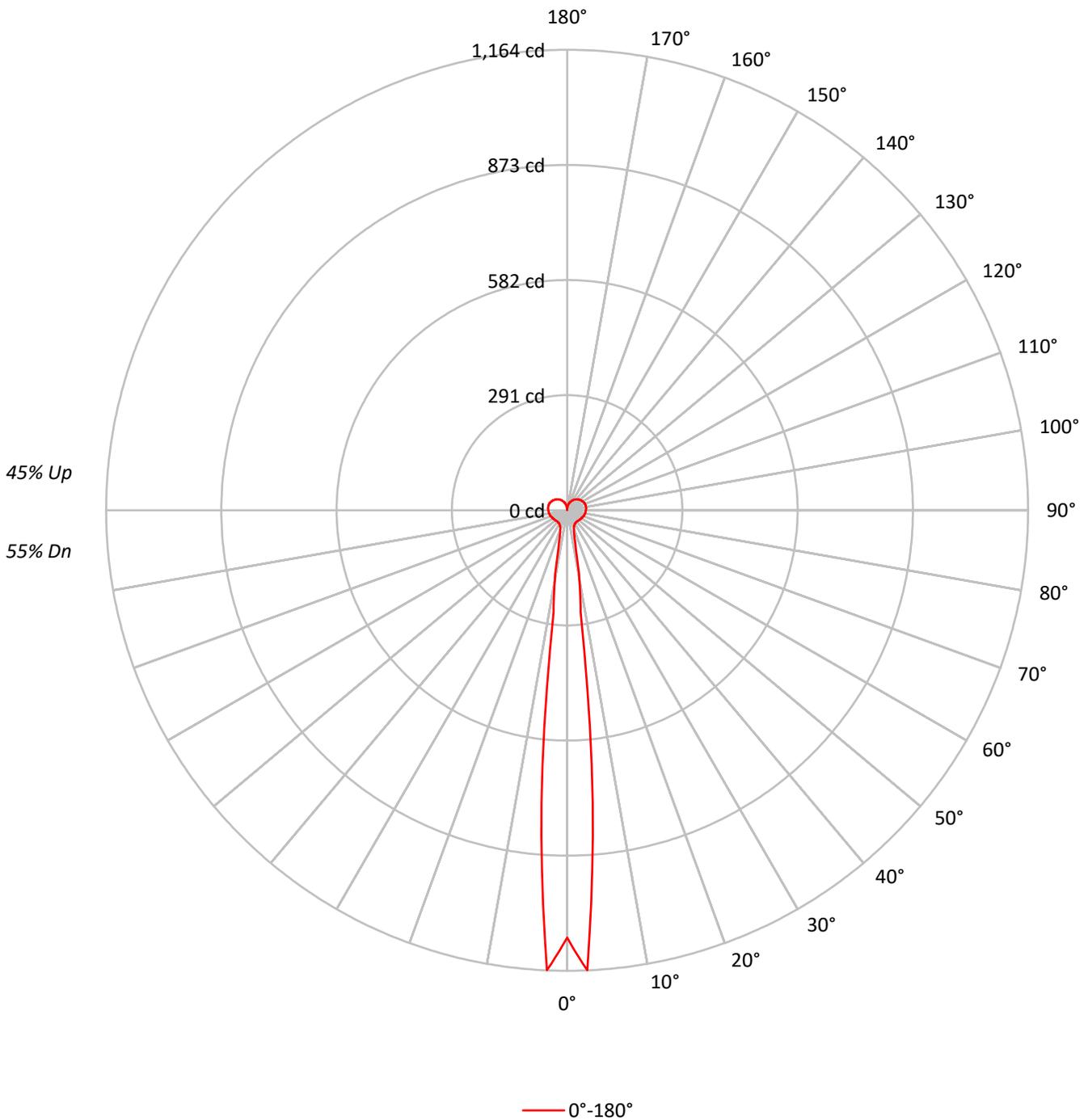
Lumens per Lamp: N/A
Luminaire Lumens: 579.1 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (A_{in}): 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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | | 73 | 73 | 73 | | 61 | 61 | 61 | 55 |
| 1 | 95 | 90 | 84 | 79 | 88 | 83 | 78 | 74 | 70 | 67 | 64 | | 59 | 56 | 54 | | 48 | 46 | 45 | 39 |
| 2 | 86 | 77 | 70 | 63 | 79 | 71 | 65 | 59 | 61 | 56 | 51 | | 51 | 47 | 43 | | 42 | 39 | 36 | 31 |
| 3 | 78 | 68 | 59 | 53 | 72 | 63 | 55 | 49 | 53 | 48 | 43 | | 45 | 40 | 36 | | 37 | 33 | 30 | 26 |
| 4 | 72 | 60 | 51 | 45 | 66 | 56 | 48 | 42 | 48 | 42 | 37 | | 40 | 35 | 32 | | 33 | 30 | 27 | 23 |
| 5 | 67 | 54 | 45 | 39 | 61 | 50 | 43 | 37 | 43 | 37 | 32 | | 37 | 32 | 28 | | 30 | 27 | 24 | 21 |
| 6 | 62 | 49 | 41 | 34 | 57 | 46 | 38 | 33 | 40 | 33 | 29 | | 34 | 29 | 25 | | 28 | 25 | 22 | 19 |
| 7 | 58 | 45 | 37 | 31 | 53 | 42 | 35 | 29 | 37 | 31 | 26 | | 31 | 27 | 23 | | 27 | 23 | 20 | 17 |
| 8 | 54 | 41 | 34 | 28 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | | 29 | 25 | 21 | | 25 | 21 | 19 | 16 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | | 28 | 23 | 20 | | 24 | 20 | 17 | 15 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 24 | 21 | | 26 | 22 | 19 | | 23 | 19 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 55347 |
| 5° | 28013 |
| 10° | 5379 |
| 15° | 1806 |
| 20° | 1079 |
| 25° | 824 |
| 30° | 678 |
| 35° | 612 |
| 40° | 558 |
| 45° | 537 |
| 50° | 521 |
| 55° | 511 |
| 60° | 516 |
| 65° | 513 |
| 70° | 525 |
| 75° | 540 |
| 80° | 550 |
| 85° | 564 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 583 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.9 | 8.3 |
| 10°-20° | 23.0 | 4.0 |
| 20°-30° | 19.9 | 3.4 |
| 30°-40° | 24.0 | 4.1 |
| 40°-50° | 29.6 | 5.1 |
| 50°-60° | 35.9 | 6.2 |
| 60°-70° | 42.0 | 7.3 |
| 70°-80° | 47.6 | 8.2 |
| 80°-90° | 51.1 | 8.8 |
| 90°-100° | 52.5 | 9.1 |
| 100°-110° | 51.1 | 8.8 |
| 110°-120° | 46.4 | 8.0 |
| 120°-130° | 39.0 | 6.7 |
| 130°-140° | 30.1 | 5.2 |
| 140°-150° | 20.8 | 3.6 |
| 150°-160° | 12.1 | 2.1 |
| 160°-170° | 5.1 | 0.9 |
| 170°-180° | 0.8 | 0.1 |
| 0°-30° | 90.9 | 15.7 |
| 0°-40° | 114.9 | 19.8 |
| 0°-60° | 180.4 | 31.1 |
| 0°-90° | 321.1 | 55.5 |
| 90°-120° | 150.0 | 25.9 |
| 90°-150° | 240.0 | 41.4 |
| 90°-180° | 258.0 | 44.6 |
| 0°-180° | 579.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 1080 | |
| 5° | 744 | 48 |
| 15° | 72 | 23 |
| 25° | 43 | 20 |
| 35° | 38 | 24 |
| 45° | 38 | 30 |
| 55° | 40 | 36 |
| 65° | 42 | 42 |
| 75° | 45 | 48 |
| 85° | 47 | 38 |
| 90° | 48 | 26 |
| 95° | 48 | 39 |
| 105° | 48 | 51 |
| 115° | 47 | 46 |
| 125° | 44 | 39 |
| 135° | 39 | 30 |
| 145° | 33 | 21 |
| 155° | 26 | 12 |
| 165° | 18 | 5 |
| 175° | 5 | 1 |
| 180° | 1 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 1080.0 |
| 2.5° | 1163.7 |
| 5° | 743.8 |
| 7.5° | 259.5 |
| 10° | 179.6 |
| 12.5° | 102.9 |
| 15° | 72.2 |
| 17.5° | 58.3 |
| 20° | 49.9 |
| 22.5° | 45.3 |
| 25° | 43.0 |
| 27.5° | 40.7 |
| 30° | 39.1 |
| 32.5° | 38.4 |
| 35° | 38.4 |
| 37.5° | 37.6 |
| 40° | 37.6 |
| 42.5° | 37.6 |
| 45° | 38.4 |
| 47.5° | 38.4 |
| 50° | 39.1 |
| 52.5° | 39.1 |
| 55° | 39.9 |
| 57.5° | 40.7 |
| 60° | 41.5 |
| 62.5° | 41.5 |
| 65° | 42.2 |
| 67.5° | 43.0 |
| 70° | 43.8 |
| 72.5° | 44.5 |
| 75° | 45.3 |
| 77.5° | 45.3 |
| 80° | 46.1 |
| 82.5° | 46.8 |
| 85° | 46.8 |
| 87.5° | 46.8 |
| 90° | 47.6 |
| 92.5° | 47.6 |
| 95° | 48.4 |
| 97.5° | 48.4 |
| 100° | 48.4 |
| 102.5° | 48.4 |
| 105° | 48.4 |
| 107.5° | 48.4 |
| 110° | 47.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 47.6 |
| 115° | 46.8 |
| 117.5° | 46.1 |
| 120° | 45.3 |
| 122.5° | 44.5 |
| 125° | 43.8 |
| 127.5° | 42.2 |
| 130° | 41.5 |
| 132.5° | 39.9 |
| 135° | 39.1 |
| 137.5° | 37.6 |
| 140° | 36.1 |
| 142.5° | 34.5 |
| 145° | 33.0 |
| 147.5° | 31.5 |
| 150° | 29.9 |
| 152.5° | 27.6 |
| 155° | 26.1 |
| 157.5° | 23.8 |
| 160° | 22.3 |
| 162.5° | 20.0 |
| 165° | 17.7 |
| 167.5° | 15.4 |
| 170° | 13.0 |
| 172.5° | 9.2 |
| 175° | 5.4 |
| 177.5° | 2.3 |
| 180° | 0.8 |



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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 | 4.8 | 5.8 | 5.7 | 6.8 | 7.9 | 4.8 | 5.8 | 5.7 | 6.8 | 7.9 |
| | 3H | 7.8 | 8.8 | 8.7 | 9.7 | 10.9 | 7.8 | 8.8 | 8.7 | 9.7 | 10.9 |
| | 4H | 9.3 | 10.2 | 10.2 | 11.1 | 12.4 | 9.3 | 10.2 | 10.2 | 11.1 | 12.4 |
| | 6H | 10.8 | 11.6 | 11.7 | 12.6 | 13.8 | 10.8 | 11.6 | 11.7 | 12.6 | 13.8 |
| | 8H | 11.5 | 12.3 | 12.4 | 13.3 | 14.5 | 11.5 | 12.3 | 12.4 | 13.3 | 14.5 |
| | 12H | 12.2 | 13.0 | 13.1 | 13.9 | 15.2 | 12.2 | 13.0 | 13.1 | 13.9 | 15.2 |
| 4H | 2H | 5.6 | 6.5 | 6.5 | 7.4 | 8.6 | 5.6 | 6.5 | 6.5 | 7.4 | 8.6 |
| | 3H | 8.8 | 9.6 | 9.7 | 10.5 | 11.7 | 8.8 | 9.6 | 9.7 | 10.5 | 11.7 |
| | 4H | 10.4 | 11.1 | 11.4 | 12.1 | 13.4 | 10.4 | 11.1 | 11.4 | 12.1 | 13.4 |
| | 6H | 12.1 | 12.7 | 13.0 | 13.7 | 14.9 | 12.1 | 12.7 | 13.0 | 13.7 | 14.9 |
| | 8H | 12.9 | 13.5 | 13.8 | 14.5 | 15.7 | 12.9 | 13.5 | 13.8 | 14.5 | 15.7 |
| | 12H | 13.7 | 14.2 | 14.6 | 15.2 | 16.5 | 13.7 | 14.2 | 14.6 | 15.2 | 16.5 |
| 8H | 4H | 11.0 | 11.6 | 11.9 | 12.5 | 13.8 | 11.0 | 11.6 | 11.9 | 12.5 | 13.8 |
| | 6H | 12.8 | 13.3 | 13.8 | 14.3 | 15.6 | 12.8 | 13.3 | 13.8 | 14.3 | 15.6 |
| | 8H | 13.8 | 14.2 | 14.7 | 15.2 | 16.5 | 13.8 | 14.2 | 14.7 | 15.2 | 16.5 |
| | 12H | 14.7 | 15.2 | 15.7 | 16.2 | 17.5 | 14.7 | 15.2 | 15.7 | 16.2 | 17.5 |
| 12H | 4H | 11.1 | 11.6 | 12.0 | 12.6 | 13.9 | 11.1 | 11.6 | 12.0 | 12.6 | 13.9 |
| | 6H | 13.0 | 13.5 | 14.0 | 14.5 | 15.8 | 13.0 | 13.5 | 14.0 | 14.5 | 15.8 |
| | 8H | 14.0 | 14.4 | 15.0 | 15.4 | 16.8 | 14.0 | 14.4 | 15.0 | 15.4 | 16.8 |

(END OF REPORT)