

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: P1245201

Luminaire Tested: PRLX-NIM-M-940-06L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-940-06L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL RIBS SHADE TEXTL
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

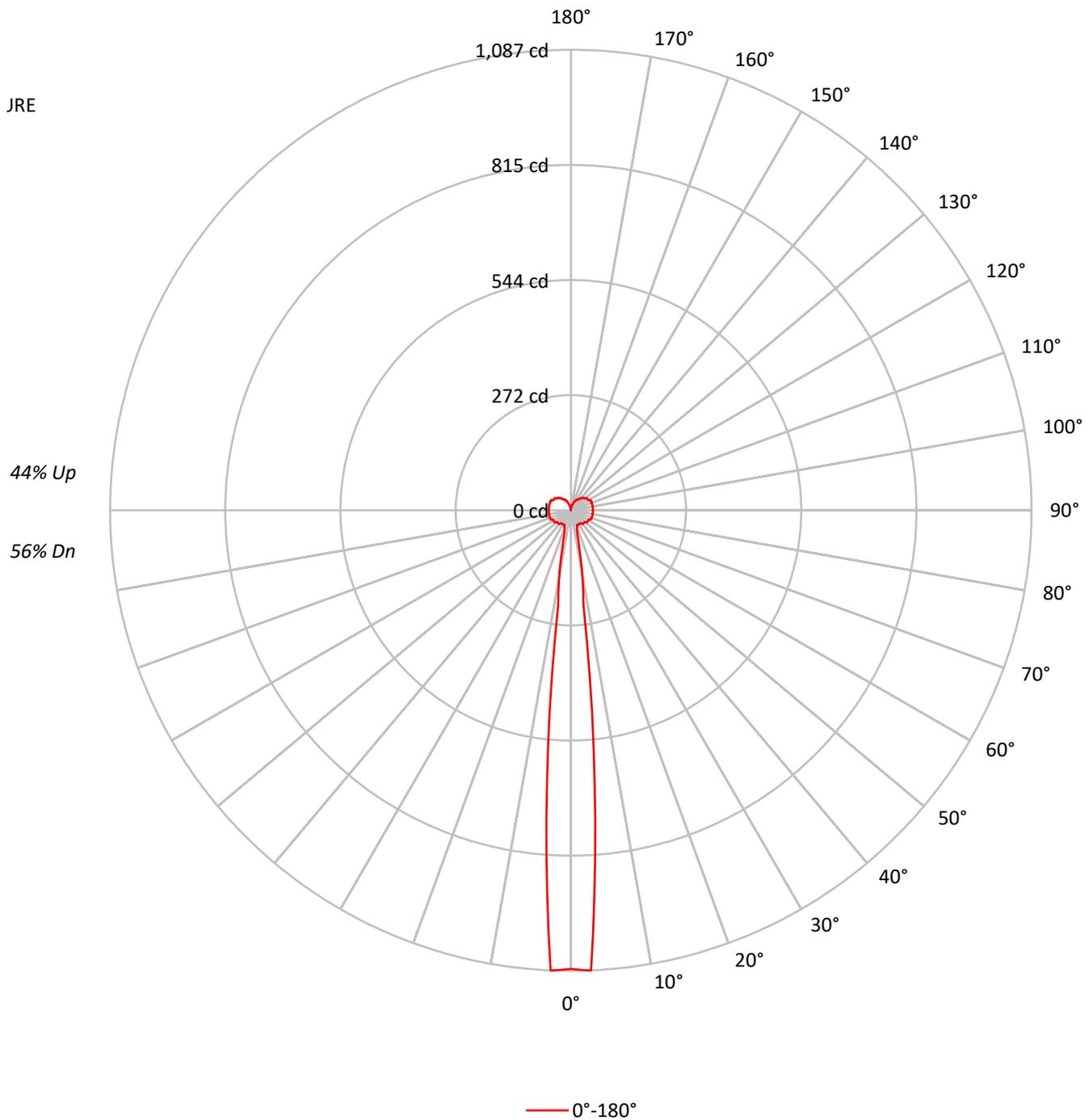
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 615.8 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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 (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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | | 73 | 73 | 73 | | 61 | 61 | 61 | 56 |
| 1 | 95 | 89 | 83 | 78 | 88 | 82 | 77 | 73 | 70 | 66 | 63 | | 58 | 55 | 53 | | 48 | 46 | 44 | 38 |
| 2 | 85 | 76 | 68 | 62 | 78 | 70 | 63 | 58 | 60 | 54 | 50 | | 50 | 46 | 42 | | 40 | 37 | 35 | 30 |
| 3 | 77 | 66 | 58 | 51 | 71 | 61 | 54 | 47 | 52 | 46 | 41 | | 43 | 39 | 35 | | 35 | 32 | 29 | 25 |
| 4 | 71 | 59 | 50 | 43 | 65 | 54 | 46 | 40 | 46 | 40 | 35 | | 39 | 34 | 30 | | 32 | 28 | 25 | 21 |
| 5 | 65 | 52 | 43 | 37 | 60 | 49 | 41 | 35 | 42 | 35 | 30 | | 35 | 30 | 26 | | 29 | 25 | 22 | 18 |
| 6 | 60 | 47 | 39 | 32 | 56 | 44 | 36 | 30 | 38 | 32 | 27 | | 32 | 27 | 23 | | 27 | 23 | 20 | 17 |
| 7 | 56 | 43 | 35 | 29 | 52 | 40 | 33 | 27 | 35 | 29 | 24 | | 30 | 25 | 21 | | 25 | 21 | 18 | 15 |
| 8 | 53 | 40 | 32 | 26 | 49 | 37 | 30 | 25 | 32 | 26 | 22 | | 28 | 23 | 19 | | 23 | 19 | 17 | 14 |
| 9 | 49 | 37 | 29 | 24 | 46 | 34 | 27 | 22 | 30 | 24 | 20 | | 26 | 21 | 18 | | 22 | 18 | 15 | 13 |
| 10 | 47 | 34 | 27 | 22 | 43 | 32 | 25 | 21 | 28 | 22 | 19 | | 24 | 20 | 17 | | 21 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 55485 |
| 5° | 24322 |
| 10° | 4693 |
| 15° | 1544 |
| 20° | 923 |
| 25° | 728 |
| 30° | 659 |
| 35° | 605 |
| 40° | 633 |
| 45° | 597 |
| 50° | 569 |
| 55° | 609 |
| 60° | 591 |
| 65° | 635 |
| 70° | 626 |
| 75° | 622 |
| 80° | 623 |
| 85° | 629 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 640 cd/sqm

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.1 | 7.0 |
| 10°-20° | 19.7 | 3.2 |
| 20°-30° | 17.8 | 2.9 |
| 30°-40° | 24.3 | 3.9 |
| 40°-50° | 33.1 | 5.4 |
| 50°-60° | 42.1 | 6.8 |
| 60°-70° | 50.1 | 8.1 |
| 70°-80° | 55.2 | 9.0 |
| 80°-90° | 57.0 | 9.2 |
| 90°-100° | 57.0 | 9.2 |
| 100°-110° | 55.2 | 9.0 |
| 110°-120° | 51.2 | 8.3 |
| 120°-130° | 42.1 | 6.8 |
| 130°-140° | 31.8 | 5.2 |
| 140°-150° | 20.2 | 3.3 |
| 150°-160° | 11.7 | 1.9 |
| 160°-170° | 3.8 | 0.6 |
| 170°-180° | 0.4 | 0.1 |
| 0°-30° | 80.6 | 13.1 |
| 0°-40° | 104.9 | 17.0 |
| 0°-60° | 180.1 | 29.2 |
| 0°-90° | 342.3 | 55.6 |
| 90°-120° | 163.4 | 26.5 |
| 90°-150° | 257.5 | 41.8 |
| 90°-180° | 273.0 | 44.3 |
| 0°-180° | 615.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 1083 | |
| 5° | 646 | 43 |
| 15° | 62 | 20 |
| 25° | 38 | 18 |
| 35° | 38 | 24 |
| 45° | 43 | 33 |
| 55° | 48 | 42 |
| 65° | 52 | 50 |
| 75° | 52 | 55 |
| 85° | 52 | 43 |
| 90° | 52 | 29 |
| 95° | 52 | 43 |
| 105° | 52 | 55 |
| 115° | 52 | 51 |
| 125° | 48 | 42 |
| 135° | 43 | 32 |
| 145° | 33 | 20 |
| 155° | 24 | 12 |
| 165° | 14 | 4 |
| 175° | 0 | 0 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 1082.7 |
| 2.5° | 1087.4 |
| 5° | 645.8 |
| 7.5° | 227.9 |
| 10° | 156.7 |
| 12.5° | 90.2 |
| 15° | 61.7 |
| 17.5° | 47.5 |
| 20° | 42.7 |
| 22.5° | 38.0 |
| 25° | 38.0 |
| 27.5° | 38.0 |
| 30° | 38.0 |
| 32.5° | 38.0 |
| 35° | 38.0 |
| 37.5° | 38.0 |
| 40° | 42.7 |
| 42.5° | 42.7 |
| 45° | 42.7 |
| 47.5° | 42.7 |
| 50° | 42.7 |
| 52.5° | 47.5 |
| 55° | 47.5 |
| 57.5° | 47.5 |
| 60° | 47.5 |
| 62.5° | 47.5 |
| 65° | 52.2 |
| 67.5° | 52.2 |
| 70° | 52.2 |
| 72.5° | 52.2 |
| 75° | 52.2 |
| 77.5° | 52.2 |
| 80° | 52.2 |
| 82.5° | 52.2 |
| 85° | 52.2 |
| 87.5° | 52.2 |
| 90° | 52.2 |
| 92.5° | 52.2 |
| 95° | 52.2 |
| 97.5° | 52.2 |
| 100° | 52.2 |
| 102.5° | 52.2 |
| 105° | 52.2 |
| 107.5° | 52.2 |
| 110° | 52.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 52.2 |
| 115° | 52.2 |
| 117.5° | 52.2 |
| 120° | 47.5 |
| 122.5° | 47.5 |
| 125° | 47.5 |
| 127.5° | 47.5 |
| 130° | 42.7 |
| 132.5° | 42.7 |
| 135° | 42.7 |
| 137.5° | 38.0 |
| 140° | 38.0 |
| 142.5° | 33.2 |
| 145° | 33.2 |
| 147.5° | 28.5 |
| 150° | 28.5 |
| 152.5° | 28.5 |
| 155° | 23.7 |
| 157.5° | 23.7 |
| 160° | 19.0 |
| 162.5° | 14.2 |
| 165° | 14.2 |
| 167.5° | 9.5 |
| 170° | 9.5 |
| 172.5° | 4.7 |
| 175° | 0.0 |
| 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 | 5.7 | 6.7 | 6.5 | 7.6 | 8.8 | 5.7 | 6.7 | 6.5 | 7.6 | 8.8 |
| | 3H | 8.8 | 9.7 | 9.7 | 10.7 | 11.9 | 8.8 | 9.7 | 9.7 | 10.7 | 11.9 |
| | 4H | 10.2 | 11.1 | 11.1 | 12.1 | 13.3 | 10.2 | 11.1 | 11.1 | 12.1 | 13.3 |
| | 6H | 11.6 | 12.5 | 12.5 | 13.4 | 14.6 | 11.6 | 12.5 | 12.5 | 13.4 | 14.6 |
| | 8H | 12.3 | 13.1 | 13.2 | 14.1 | 15.3 | 12.3 | 13.1 | 13.2 | 14.1 | 15.3 |
| | 12H | 12.9 | 13.7 | 13.9 | 14.7 | 15.9 | 12.9 | 13.7 | 13.9 | 14.7 | 15.9 |
| 4H | 2H | 6.5 | 7.4 | 7.4 | 8.4 | 9.6 | 6.5 | 7.4 | 7.4 | 8.4 | 9.6 |
| | 3H | 9.8 | 10.6 | 10.7 | 11.5 | 12.7 | 9.8 | 10.6 | 10.7 | 11.5 | 12.7 |
| | 4H | 11.3 | 12.1 | 12.3 | 13.0 | 14.3 | 11.3 | 12.1 | 12.3 | 13.0 | 14.3 |
| | 6H | 12.9 | 13.5 | 13.8 | 14.5 | 15.8 | 12.9 | 13.5 | 13.8 | 14.5 | 15.8 |
| | 8H | 13.6 | 14.3 | 14.6 | 15.2 | 16.5 | 13.6 | 14.3 | 14.6 | 15.2 | 16.5 |
| | 12H | 14.4 | 15.0 | 15.4 | 16.0 | 17.2 | 14.4 | 15.0 | 15.4 | 16.0 | 17.2 |
| 8H | 4H | 11.8 | 12.5 | 12.8 | 13.4 | 14.7 | 11.8 | 12.5 | 12.8 | 13.4 | 14.7 |
| | 6H | 13.6 | 14.1 | 14.6 | 15.1 | 16.4 | 13.6 | 14.1 | 14.6 | 15.1 | 16.4 |
| | 8H | 14.5 | 15.0 | 15.5 | 16.0 | 17.3 | 14.5 | 15.0 | 15.5 | 16.0 | 17.3 |
| | 12H | 15.4 | 15.9 | 16.4 | 16.9 | 18.2 | 15.4 | 15.9 | 16.4 | 16.9 | 18.2 |
| 12H | 4H | 11.9 | 12.5 | 12.9 | 13.5 | 14.8 | 11.9 | 12.5 | 12.9 | 13.5 | 14.8 |
| | 6H | 13.8 | 14.3 | 14.8 | 15.3 | 16.6 | 13.8 | 14.3 | 14.8 | 15.3 | 16.6 |
| | 8H | 14.8 | 15.2 | 15.7 | 16.2 | 17.5 | 14.8 | 15.2 | 15.7 | 16.2 | 17.5 |

(END OF REPORT)