

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: P1245241

Luminaire Tested: PRLX-NIM-S-930-09L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-NIM-S-930-09L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

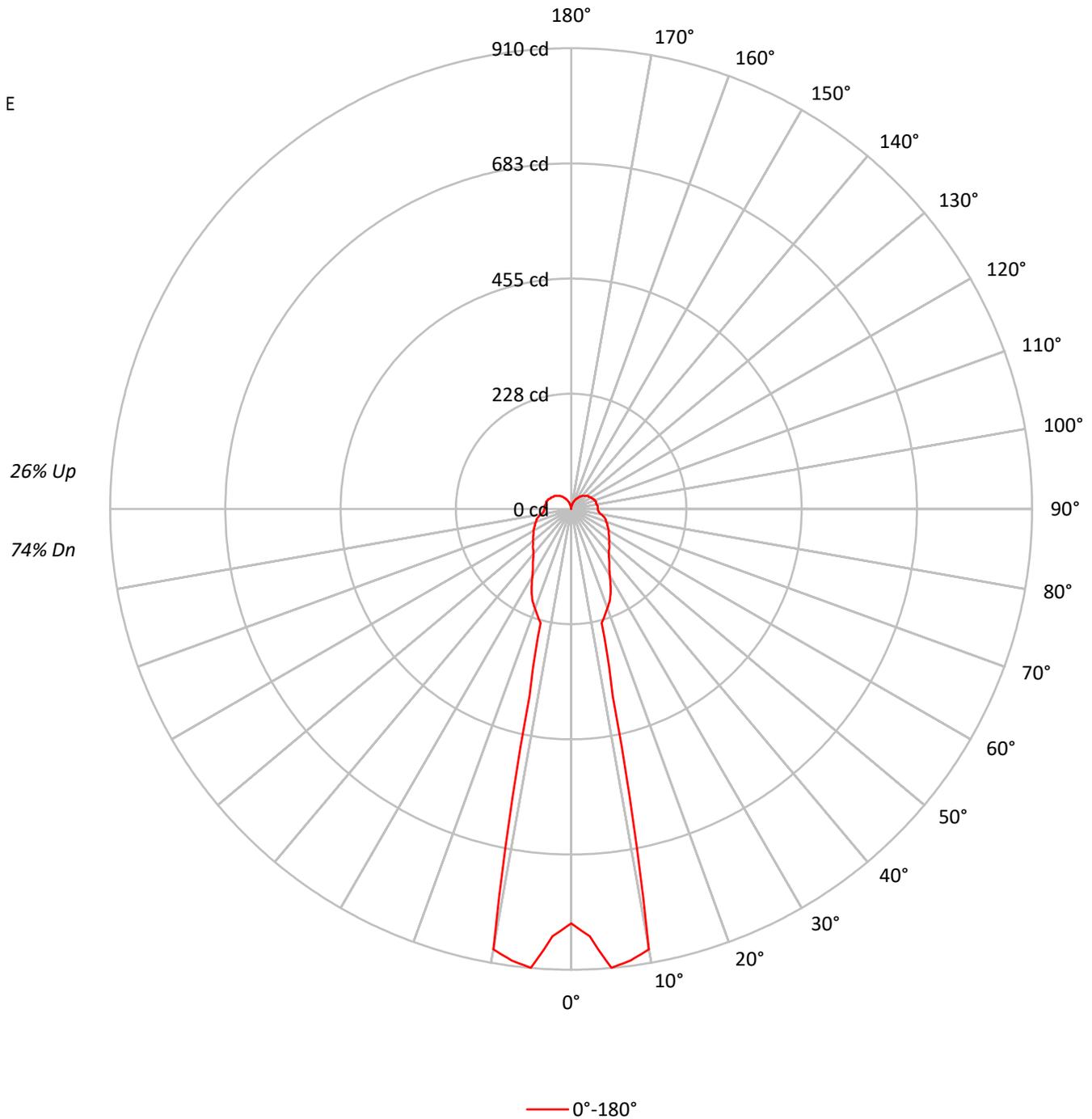
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 972.1 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

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

TEST NUMBER: P1245241
CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

Luminous Intensity Polar Plot





TEST NUMBER: P1245241

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | | 87 | 87 | 87 | | 78 | 78 | 78 | 74 |
| 1 | 101 | 96 | 91 | 87 | 96 | 91 | 87 | 83 | 82 | 79 | 76 | | 74 | 71 | 69 | | 66 | 64 | 62 | 58 |
| 2 | 92 | 84 | 77 | 71 | 87 | 80 | 73 | 68 | 72 | 67 | 63 | | 65 | 61 | 57 | | 58 | 55 | 52 | 49 |
| 3 | 85 | 74 | 66 | 60 | 80 | 71 | 64 | 58 | 64 | 58 | 53 | | 58 | 53 | 49 | | 52 | 48 | 45 | 42 |
| 4 | 78 | 67 | 58 | 52 | 74 | 64 | 56 | 50 | 58 | 52 | 47 | | 52 | 47 | 43 | | 47 | 43 | 40 | 37 |
| 5 | 72 | 60 | 52 | 46 | 69 | 58 | 50 | 44 | 53 | 46 | 41 | | 48 | 43 | 39 | | 44 | 39 | 36 | 33 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 40 | 48 | 42 | 37 | | 44 | 39 | 35 | | 41 | 36 | 33 | 30 |
| 7 | 63 | 51 | 43 | 37 | 60 | 49 | 41 | 36 | 45 | 39 | 34 | | 41 | 36 | 32 | | 38 | 33 | 30 | 28 |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 42 | 36 | 31 | | 39 | 33 | 30 | | 36 | 31 | 28 | 26 |
| 9 | 56 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | | 36 | 31 | 27 | | 34 | 29 | 26 | 24 |
| 10 | 53 | 41 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 31 | 27 | | 34 | 29 | 26 | | 32 | 28 | 24 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 25894 |
| 5° | 25556 |
| 10° | 22470 |
| 15° | 5455 |
| 20° | 4552 |
| 25° | 3789 |
| 30° | 2994 |
| 35° | 2485 |
| 40° | 2122 |
| 45° | 1920 |
| 50° | 1740 |
| 55° | 1606 |
| 60° | 1517 |
| 65° | 1407 |
| 70° | 1336 |
| 75° | 1274 |
| 80° | 1148 |
| 85° | 1092 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1920 cd/sqm

TEST NUMBER: P1245241

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.9 | 8.7 |
| 10°-20° | 90.0 | 9.3 |
| 20°-30° | 83.8 | 8.6 |
| 30°-40° | 82.6 | 8.5 |
| 40°-50° | 82.3 | 8.5 |
| 50°-60° | 81.8 | 8.4 |
| 60°-70° | 78.9 | 8.1 |
| 70°-80° | 71.8 | 7.4 |
| 80°-90° | 59.8 | 6.1 |
| 90°-100° | 57.1 | 5.9 |
| 100°-110° | 53.5 | 5.5 |
| 110°-120° | 47.0 | 4.8 |
| 120°-130° | 38.4 | 3.9 |
| 130°-140° | 28.6 | 2.9 |
| 140°-150° | 18.4 | 1.9 |
| 150°-160° | 9.6 | 1.0 |
| 160°-170° | 3.3 | 0.3 |
| 170°-180° | 0.3 | 0.0 |
| 0°-30° | 258.7 | 26.6 |
| 0°-40° | 341.2 | 35.1 |
| 0°-60° | 505.3 | 52.0 |
| 0°-90° | 715.8 | 73.6 |
| 90°-120° | 157.7 | 16.2 |
| 90°-150° | 243.1 | 25.0 |
| 90°-180° | 256.0 | 26.3 |
| 0°-180° | 972.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|-----|------|
| 0° | 818 | |
| 5° | 910 | 85 |
| 15° | 233 | 90 |
| 25° | 184 | 84 |
| 35° | 132 | 83 |
| 45° | 107 | 82 |
| 55° | 91 | 82 |
| 65° | 79 | 79 |
| 75° | 68 | 72 |
| 85° | 54 | 45 |
| 90° | 53 | 29 |
| 95° | 53 | 43 |
| 105° | 51 | 54 |
| 115° | 47 | 47 |
| 125° | 42 | 38 |
| 135° | 37 | 29 |
| 145° | 30 | 18 |
| 155° | 21 | 10 |
| 165° | 10 | 3 |
| 175° | 2 | 0 |
| 180° | 0 | |

TEST NUMBER: P1245241

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

CANDELA DISTRIBUTION (FULL):

| | 0° |
|--------|-------|
| 0° | 818.5 |
| 2.5° | 844.8 |
| 5° | 909.7 |
| 7.5° | 899.2 |
| 10° | 883.4 |
| 12.5° | 378.6 |
| 15° | 233.1 |
| 17.5° | 220.8 |
| 20° | 208.6 |
| 22.5° | 198.1 |
| 25° | 184.0 |
| 27.5° | 168.3 |
| 30° | 152.5 |
| 32.5° | 140.2 |
| 35° | 131.5 |
| 37.5° | 122.7 |
| 40° | 115.7 |
| 42.5° | 110.4 |
| 45° | 106.9 |
| 47.5° | 101.7 |
| 50° | 98.2 |
| 52.5° | 94.6 |
| 55° | 91.1 |
| 57.5° | 87.6 |
| 60° | 85.9 |
| 62.5° | 82.4 |
| 65° | 78.9 |
| 67.5° | 77.1 |
| 70° | 73.6 |
| 72.5° | 71.9 |
| 75° | 68.4 |
| 77.5° | 64.9 |
| 80° | 59.6 |
| 82.5° | 56.1 |
| 85° | 54.3 |
| 87.5° | 52.6 |
| 90° | 52.6 |
| 92.5° | 52.6 |
| 95° | 52.6 |
| 97.5° | 52.6 |
| 100° | 50.8 |
| 102.5° | 50.8 |
| 105° | 50.8 |
| 107.5° | 50.8 |
| 110° | 49.1 |

TEST NUMBER: P1245241

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 49.1 |
| 115° | 47.3 |
| 117.5° | 45.6 |
| 120° | 45.6 |
| 122.5° | 43.8 |
| 125° | 42.1 |
| 127.5° | 42.1 |
| 130° | 40.3 |
| 132.5° | 38.6 |
| 135° | 36.8 |
| 137.5° | 35.1 |
| 140° | 33.3 |
| 142.5° | 31.5 |
| 145° | 29.8 |
| 147.5° | 26.3 |
| 150° | 24.5 |
| 152.5° | 22.8 |
| 155° | 21.0 |
| 157.5° | 17.5 |
| 160° | 15.8 |
| 162.5° | 14.0 |
| 165° | 10.5 |
| 167.5° | 8.8 |
| 170° | 7.0 |
| 172.5° | 3.5 |
| 175° | 1.8 |
| 177.5° | 0.0 |
| 180° | 0.0 |



TEST NUMBER: P1245241

CATALOG NUMBER: PRLX-NIM-S-930-09L-U-NR

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 | 10.2 | 11.3 | 10.9 | 12.1 | 13.0 | 10.2 | 11.3 | 10.9 | 12.1 | 13.0 |
| | 3H | 12.5 | 13.5 | 13.2 | 14.3 | 15.2 | 12.5 | 13.5 | 13.2 | 14.3 | 15.2 |
| | 4H | 13.6 | 14.6 | 14.3 | 15.3 | 16.3 | 13.6 | 14.6 | 14.3 | 15.3 | 16.3 |
| | 6H | 14.5 | 15.5 | 15.3 | 16.2 | 17.2 | 14.5 | 15.5 | 15.3 | 16.2 | 17.2 |
| | 8H | 15.0 | 15.9 | 15.7 | 16.6 | 17.6 | 15.0 | 15.9 | 15.7 | 16.6 | 17.6 |
| | 12H | 15.4 | 16.2 | 16.2 | 17.0 | 18.0 | 15.4 | 16.2 | 16.2 | 17.0 | 18.0 |
| 4H | 2H | 10.8 | 11.8 | 11.5 | 12.5 | 13.5 | 10.8 | 11.8 | 11.5 | 12.5 | 13.5 |
| | 3H | 13.3 | 14.2 | 14.1 | 15.0 | 15.9 | 13.3 | 14.2 | 14.1 | 15.0 | 15.9 |
| | 4H | 14.5 | 15.3 | 15.3 | 16.1 | 17.1 | 14.5 | 15.3 | 15.3 | 16.1 | 17.1 |
| | 6H | 15.7 | 16.4 | 16.5 | 17.2 | 18.2 | 15.7 | 16.4 | 16.5 | 17.2 | 18.2 |
| | 8H | 16.2 | 16.8 | 17.0 | 17.6 | 18.6 | 16.2 | 16.8 | 17.0 | 17.6 | 18.6 |
| | 12H | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 | 16.7 | 17.3 | 17.5 | 18.1 | 19.1 |
| 8H | 4H | 14.9 | 15.6 | 15.7 | 16.4 | 17.4 | 14.9 | 15.6 | 15.7 | 16.4 | 17.4 |
| | 6H | 16.2 | 16.8 | 17.1 | 17.6 | 18.6 | 16.2 | 16.8 | 17.1 | 17.6 | 18.6 |
| | 8H | 16.9 | 17.4 | 17.7 | 18.2 | 19.2 | 16.9 | 17.4 | 17.7 | 18.2 | 19.2 |
| | 12H | 17.5 | 18.0 | 18.4 | 18.8 | 19.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.9 |
| 12H | 4H | 15.0 | 15.6 | 15.8 | 16.4 | 17.4 | 15.0 | 15.6 | 15.8 | 16.4 | 17.4 |
| | 6H | 16.4 | 16.9 | 17.2 | 17.7 | 18.7 | 16.4 | 16.9 | 17.2 | 17.7 | 18.7 |
| | 8H | 17.1 | 17.5 | 17.9 | 18.3 | 19.4 | 17.1 | 17.5 | 17.9 | 18.3 | 19.4 |

(END OF REPORT)