

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: P1244978

Luminaire Tested: PRLX-MIN-S-935-09L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-S-935-09L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

Summary

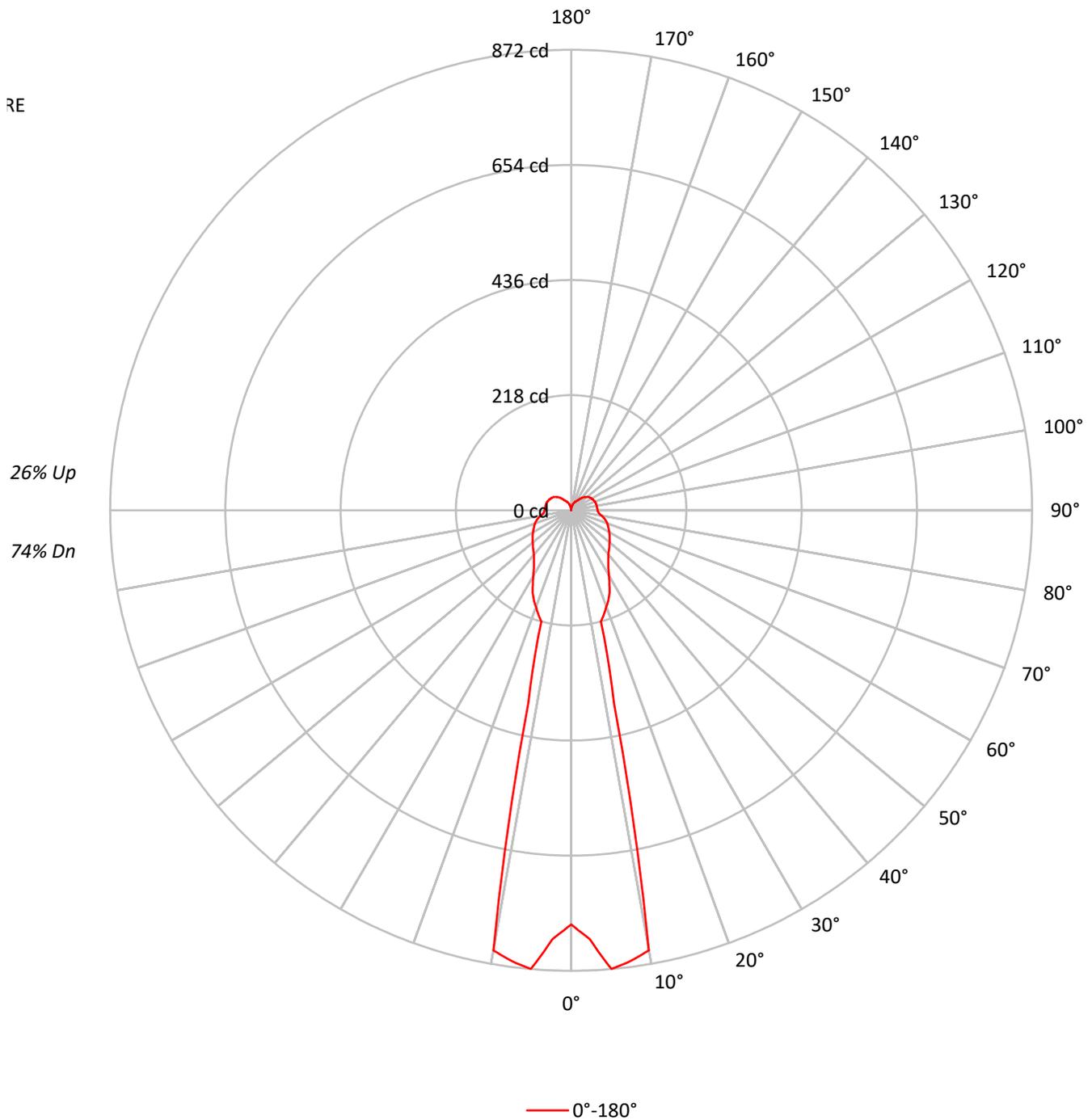
Lumens per Lamp: N/A
Luminaire Lumens: 929.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.38
Luminous Opening: Rectangular w/ Sides (W: 0.62' x L: 0.62' x H: 0.87')
CIE Type: Semi-Direct

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

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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 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 |
| 1 | 101 | 96 | 91 | 87 | 96 | 91 | 87 | 83 | 82 | 79 | 76 | 74 | 71 | 69 | 66 | 64 | 62 |
| 2 | 92 | 84 | 77 | 71 | 87 | 80 | 73 | 68 | 72 | 67 | 63 | 65 | 61 | 57 | 58 | 55 | 52 |
| 3 | 85 | 74 | 66 | 60 | 80 | 71 | 63 | 58 | 64 | 58 | 53 | 58 | 53 | 49 | 52 | 48 | 45 |
| 4 | 78 | 67 | 58 | 52 | 74 | 63 | 56 | 50 | 58 | 51 | 46 | 52 | 47 | 43 | 47 | 43 | 40 |
| 5 | 72 | 60 | 52 | 46 | 68 | 58 | 50 | 44 | 53 | 46 | 41 | 48 | 43 | 38 | 44 | 39 | 36 |
| 6 | 67 | 55 | 47 | 41 | 64 | 53 | 45 | 39 | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 36 | 33 |
| 7 | 63 | 51 | 42 | 37 | 60 | 49 | 41 | 36 | 45 | 38 | 34 | 41 | 36 | 32 | 38 | 33 | 30 |
| 8 | 59 | 47 | 39 | 34 | 56 | 45 | 38 | 33 | 42 | 35 | 31 | 38 | 33 | 29 | 35 | 31 | 28 |
| 9 | 56 | 44 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | 33 | 29 | 26 |
| 10 | 53 | 41 | 34 | 29 | 50 | 39 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 26 | 32 | 27 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 21609 |
| 5° | 21497 |
| 10° | 19012 |
| 15° | 4526 |
| 20° | 3782 |
| 25° | 3175 |
| 30° | 2523 |
| 35° | 2085 |
| 40° | 1819 |
| 45° | 1659 |
| 50° | 1527 |
| 55° | 1431 |
| 60° | 1346 |
| 65° | 1270 |
| 70° | 1213 |
| 75° | 1138 |
| 80° | 1042 |
| 85° | 972 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1659 cd/sqm

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.3 | 8.8 |
| 10°-20° | 85.9 | 9.2 |
| 20°-30° | 78.2 | 8.4 |
| 30°-40° | 77.3 | 8.3 |
| 40°-50° | 78.7 | 8.5 |
| 50°-60° | 79.7 | 8.6 |
| 60°-70° | 77.2 | 8.3 |
| 70°-80° | 69.8 | 7.5 |
| 80°-90° | 57.5 | 6.2 |
| 90°-100° | 53.9 | 5.8 |
| 100°-110° | 51.4 | 5.5 |
| 110°-120° | 45.9 | 4.9 |
| 120°-130° | 38.0 | 4.1 |
| 130°-140° | 27.2 | 2.9 |
| 140°-150° | 15.6 | 1.7 |
| 150°-160° | 8.1 | 0.9 |
| 160°-170° | 3.1 | 0.3 |
| 170°-180° | 0.2 | 0.0 |
| 0°-30° | 245.4 | 26.4 |
| 0°-40° | 322.7 | 34.7 |
| 0°-60° | 481.1 | 51.8 |
| 0°-90° | 685.6 | 73.8 |
| 90°-120° | 151.2 | 16.3 |
| 90°-150° | 232.0 | 25.0 |
| 90°-180° | 243.0 | 26.2 |
| 0°-180° | 929.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|-----|------|
| 0° | 784 | |
| 5° | 872 | 81 |
| 15° | 218 | 86 |
| 25° | 172 | 78 |
| 35° | 122 | 77 |
| 45° | 102 | 79 |
| 55° | 89 | 80 |
| 65° | 78 | 77 |
| 75° | 66 | 70 |
| 85° | 52 | 44 |
| 90° | 50 | 27 |
| 95° | 49 | 40 |
| 105° | 48 | 51 |
| 115° | 46 | 46 |
| 125° | 43 | 38 |
| 135° | 35 | 27 |
| 145° | 24 | 16 |
| 155° | 17 | 8 |
| 165° | 11 | 3 |
| 175° | 1 | 0 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|-------|
| 0° | 784.2 |
| 2.5° | 812.7 |
| 5° | 871.8 |
| 7.5° | 861.1 |
| 10° | 846.2 |
| 12.5° | 374.3 |
| 15° | 217.8 |
| 17.5° | 206.4 |
| 20° | 194.3 |
| 22.5° | 184.3 |
| 25° | 172.2 |
| 27.5° | 156.6 |
| 30° | 143.0 |
| 32.5° | 130.9 |
| 35° | 122.4 |
| 37.5° | 115.3 |
| 40° | 109.6 |
| 42.5° | 105.3 |
| 45° | 101.8 |
| 47.5° | 98.2 |
| 50° | 94.7 |
| 52.5° | 91.8 |
| 55° | 89.0 |
| 57.5° | 86.1 |
| 60° | 83.3 |
| 62.5° | 80.4 |
| 65° | 77.6 |
| 67.5° | 75.4 |
| 70° | 72.6 |
| 72.5° | 69.7 |
| 75° | 66.2 |
| 77.5° | 62.6 |
| 80° | 58.4 |
| 82.5° | 54.1 |
| 85° | 52.0 |
| 87.5° | 50.5 |
| 90° | 49.8 |
| 92.5° | 49.8 |
| 95° | 49.1 |
| 97.5° | 49.1 |
| 100° | 49.1 |
| 102.5° | 49.1 |
| 105° | 48.4 |
| 107.5° | 48.4 |
| 110° | 47.7 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 47.0 |
| 115° | 46.3 |
| 117.5° | 45.5 |
| 120° | 44.8 |
| 122.5° | 43.4 |
| 125° | 42.7 |
| 127.5° | 41.3 |
| 130° | 39.1 |
| 132.5° | 37.7 |
| 135° | 34.9 |
| 137.5° | 32.7 |
| 140° | 29.9 |
| 142.5° | 27.0 |
| 145° | 24.2 |
| 147.5° | 22.1 |
| 150° | 20.6 |
| 152.5° | 19.2 |
| 155° | 17.1 |
| 157.5° | 15.7 |
| 160° | 14.2 |
| 162.5° | 12.8 |
| 165° | 10.7 |
| 167.5° | 8.5 |
| 170° | 5.7 |
| 172.5° | 2.8 |
| 175° | 0.7 |
| 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 | 9.9 | 11.1 | 10.6 | 11.8 | 12.7 | 9.9 | 11.1 | 10.6 | 11.8 | 12.7 |
| | 3H | 12.2 | 13.3 | 13.0 | 14.0 | 14.9 | 12.2 | 13.3 | 13.0 | 14.0 | 14.9 |
| | 4H | 13.3 | 14.3 | 14.0 | 15.0 | 16.0 | 13.3 | 14.3 | 14.0 | 15.0 | 16.0 |
| | 6H | 14.2 | 15.2 | 15.0 | 15.9 | 16.9 | 14.2 | 15.2 | 15.0 | 15.9 | 16.9 |
| | 8H | 14.7 | 15.6 | 15.4 | 16.3 | 17.3 | 14.7 | 15.6 | 15.4 | 16.3 | 17.3 |
| | 12H | 15.1 | 15.9 | 15.9 | 16.7 | 17.7 | 15.1 | 15.9 | 15.9 | 16.7 | 17.7 |
| 4H | 2H | 10.5 | 11.5 | 11.3 | 12.3 | 13.2 | 10.5 | 11.5 | 11.3 | 12.3 | 13.2 |
| | 3H | 13.0 | 13.9 | 13.8 | 14.7 | 15.6 | 13.0 | 13.9 | 13.8 | 14.7 | 15.6 |
| | 4H | 14.2 | 15.0 | 15.0 | 15.8 | 16.8 | 14.2 | 15.0 | 15.0 | 15.8 | 16.8 |
| | 6H | 15.4 | 16.1 | 16.2 | 16.9 | 17.9 | 15.4 | 16.1 | 16.2 | 16.9 | 17.9 |
| | 8H | 15.9 | 16.5 | 16.7 | 17.4 | 18.3 | 15.9 | 16.5 | 16.7 | 17.4 | 18.3 |
| | 12H | 16.4 | 17.0 | 17.2 | 17.8 | 18.8 | 16.4 | 17.0 | 17.2 | 17.8 | 18.8 |
| 8H | 4H | 14.6 | 15.3 | 15.4 | 16.1 | 17.1 | 14.6 | 15.3 | 15.4 | 16.1 | 17.1 |
| | 6H | 15.9 | 16.5 | 16.8 | 17.3 | 18.3 | 15.9 | 16.5 | 16.8 | 17.3 | 18.3 |
| | 8H | 16.6 | 17.1 | 17.4 | 17.9 | 18.9 | 16.6 | 17.1 | 17.4 | 17.9 | 18.9 |
| | 12H | 17.2 | 17.7 | 18.1 | 18.5 | 19.6 | 17.2 | 17.7 | 18.1 | 18.5 | 19.6 |
| 12H | 4H | 14.7 | 15.3 | 15.5 | 16.1 | 17.1 | 14.7 | 15.3 | 15.5 | 16.1 | 17.1 |
| | 6H | 16.1 | 16.6 | 16.9 | 17.4 | 18.4 | 16.1 | 16.6 | 16.9 | 17.4 | 18.4 |
| | 8H | 16.8 | 17.2 | 17.6 | 18.0 | 19.1 | 16.8 | 17.2 | 17.6 | 18.0 | 19.1 |

(END OF REPORT)