

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: P1245470

Luminaire Tested: PRLX-UNA-S-930-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-S-930-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE, LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

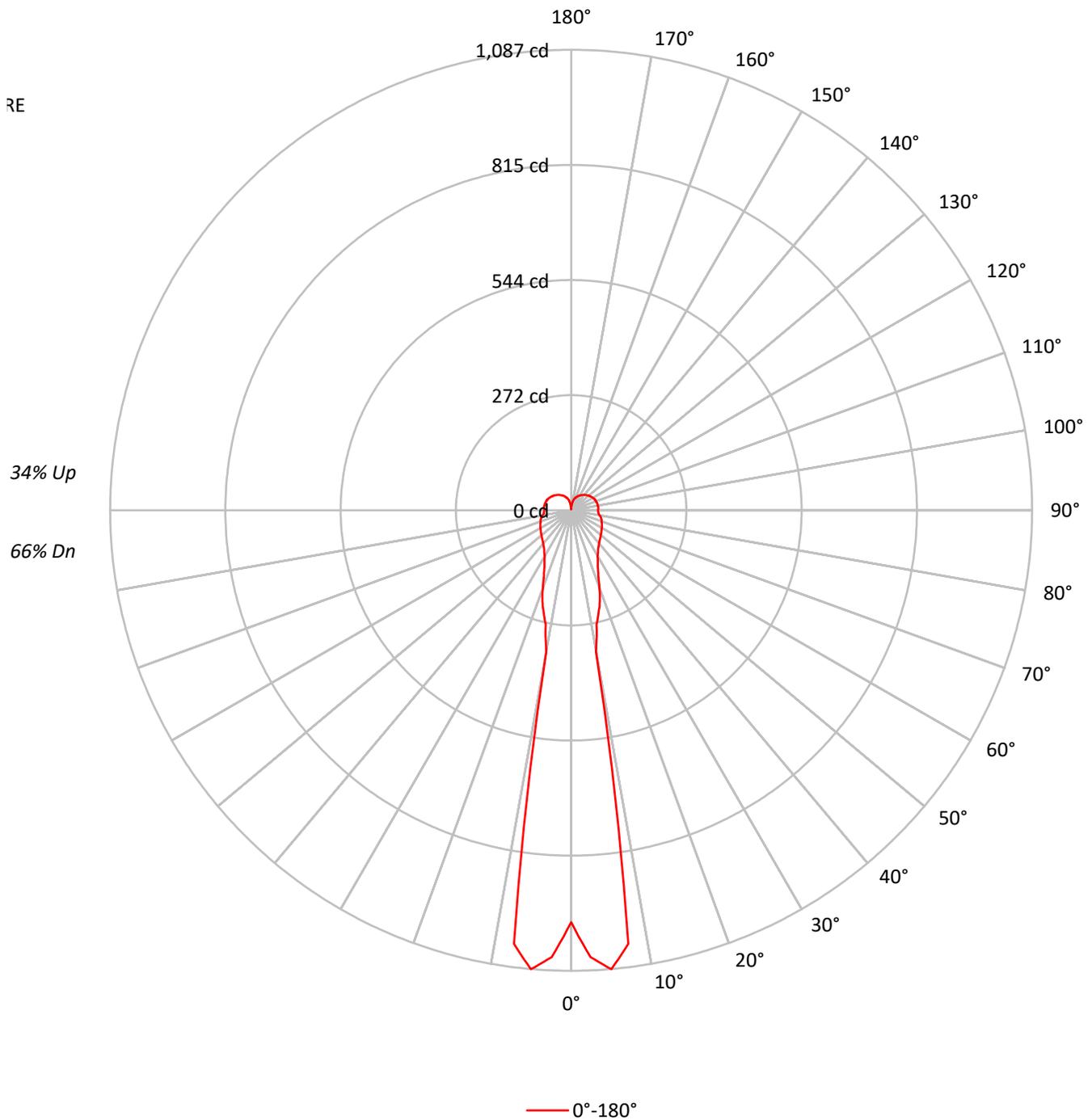
Lumens per Lamp: N/A
Luminaire Lumens: 1017.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Rectangular w/ Sides (W: 0.47' x L: 0.47' x H: 1.12')
CIE Type: Semi-Direct

Input Watts (W): 28.9
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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 92 | 92 | 92 | | 81 | 81 | 81 | | 71 | 71 | 71 | 66 |
| 1 | 99 | 94 | 89 | 84 | 93 | 88 | 84 | 80 | 78 | 74 | 71 | | 68 | 65 | 63 | | 59 | 57 | 55 | 51 |
| 2 | 90 | 81 | 74 | 68 | 84 | 77 | 70 | 65 | 68 | 63 | 58 | | 59 | 55 | 52 | | 52 | 49 | 46 | 42 |
| 3 | 82 | 72 | 64 | 57 | 77 | 68 | 60 | 55 | 60 | 54 | 49 | | 53 | 48 | 44 | | 46 | 43 | 40 | 36 |
| 4 | 76 | 64 | 56 | 49 | 71 | 61 | 53 | 47 | 54 | 48 | 43 | | 48 | 43 | 39 | | 42 | 38 | 35 | 32 |
| 5 | 70 | 58 | 49 | 43 | 66 | 55 | 47 | 41 | 49 | 43 | 38 | | 44 | 38 | 34 | | 38 | 34 | 31 | 28 |
| 6 | 65 | 53 | 44 | 38 | 61 | 50 | 42 | 37 | 45 | 39 | 34 | | 40 | 35 | 31 | | 36 | 32 | 28 | 26 |
| 7 | 61 | 48 | 40 | 35 | 57 | 46 | 39 | 33 | 42 | 35 | 31 | | 37 | 32 | 28 | | 33 | 29 | 26 | 24 |
| 8 | 57 | 45 | 37 | 31 | 54 | 43 | 35 | 30 | 39 | 33 | 28 | | 35 | 30 | 26 | | 31 | 27 | 24 | 22 |
| 9 | 54 | 42 | 34 | 29 | 51 | 40 | 33 | 28 | 36 | 30 | 26 | | 33 | 28 | 24 | | 30 | 26 | 23 | 21 |
| 10 | 51 | 39 | 32 | 27 | 48 | 37 | 31 | 26 | 34 | 28 | 24 | | 31 | 26 | 23 | | 28 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 47626 |
| 5° | 44193 |
| 10° | 11838 |
| 15° | 7720 |
| 20° | 5429 |
| 25° | 3793 |
| 30° | 2954 |
| 35° | 2474 |
| 40° | 2171 |
| 45° | 1962 |
| 50° | 1799 |
| 55° | 1674 |
| 60° | 1585 |
| 65° | 1507 |
| 70° | 1443 |
| 75° | 1390 |
| 80° | 1311 |
| 85° | 1275 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1962 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.5 | 8.4 |
| 10°-20° | 70.4 | 6.9 |
| 20°-30° | 69.9 | 6.9 |
| 30°-40° | 70.2 | 6.9 |
| 40°-50° | 74.5 | 7.3 |
| 50°-60° | 78.1 | 7.7 |
| 60°-70° | 79.3 | 7.8 |
| 70°-80° | 77.2 | 7.6 |
| 80°-90° | 70.7 | 7.0 |
| 90°-100° | 69.9 | 6.9 |
| 100°-110° | 66.9 | 6.6 |
| 110°-120° | 60.6 | 6.0 |
| 120°-130° | 50.7 | 5.0 |
| 130°-140° | 39.3 | 3.9 |
| 140°-150° | 27.6 | 2.7 |
| 150°-160° | 16.9 | 1.7 |
| 160°-170° | 7.8 | 0.8 |
| 170°-180° | 1.3 | 0.1 |
| 0°-30° | 225.8 | 22.2 |
| 0°-40° | 296.0 | 29.1 |
| 0°-60° | 448.6 | 44.1 |
| 0°-90° | 675.8 | 66.5 |
| 90°-120° | 197.4 | 19.4 |
| 90°-150° | 315.1 | 31.0 |
| 90°-180° | 341.0 | 33.5 |
| 0°-180° | 1017.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 972 | |
| 5° | 1087 | 85 |
| 15° | 250 | 70 |
| 25° | 149 | 70 |
| 35° | 111 | 70 |
| 45° | 96 | 75 |
| 55° | 87 | 78 |
| 65° | 80 | 79 |
| 75° | 73 | 77 |
| 85° | 64 | 53 |
| 90° | 64 | 35 |
| 95° | 64 | 52 |
| 105° | 64 | 67 |
| 115° | 61 | 61 |
| 125° | 57 | 51 |
| 135° | 51 | 39 |
| 145° | 44 | 28 |
| 155° | 36 | 17 |
| 165° | 28 | 8 |
| 175° | 10 | 1 |
| 180° | 3 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 972.2 |
| 2.5° | 1055.6 |
| 5° | 1087.4 |
| 7.5° | 1032.4 |
| 10° | 338.7 |
| 12.5° | 276.8 |
| 15° | 250.1 |
| 17.5° | 225.2 |
| 20° | 195.1 |
| 22.5° | 167.6 |
| 25° | 148.7 |
| 27.5° | 135.8 |
| 30° | 124.6 |
| 32.5° | 117.8 |
| 35° | 110.9 |
| 37.5° | 106.6 |
| 40° | 102.3 |
| 42.5° | 98.9 |
| 45° | 96.3 |
| 47.5° | 93.7 |
| 50° | 91.1 |
| 52.5° | 89.4 |
| 55° | 86.8 |
| 57.5° | 85.1 |
| 60° | 83.4 |
| 62.5° | 81.7 |
| 65° | 79.9 |
| 67.5° | 78.2 |
| 70° | 76.5 |
| 72.5° | 75.6 |
| 75° | 73.1 |
| 77.5° | 71.3 |
| 80° | 67.9 |
| 82.5° | 65.3 |
| 85° | 64.5 |
| 87.5° | 63.6 |
| 90° | 63.6 |
| 92.5° | 63.6 |
| 95° | 64.5 |
| 97.5° | 64.5 |
| 100° | 63.6 |
| 102.5° | 63.6 |
| 105° | 63.6 |
| 107.5° | 62.7 |
| 110° | 62.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 61.9 |
| 115° | 61.0 |
| 117.5° | 60.2 |
| 120° | 59.3 |
| 122.5° | 57.6 |
| 125° | 56.7 |
| 127.5° | 55.0 |
| 130° | 54.2 |
| 132.5° | 52.4 |
| 135° | 50.7 |
| 137.5° | 49.0 |
| 140° | 47.3 |
| 142.5° | 45.6 |
| 145° | 43.8 |
| 147.5° | 42.1 |
| 150° | 40.4 |
| 152.5° | 38.7 |
| 155° | 36.1 |
| 157.5° | 34.4 |
| 160° | 31.8 |
| 162.5° | 30.1 |
| 165° | 27.5 |
| 167.5° | 24.1 |
| 170° | 19.8 |
| 172.5° | 15.5 |
| 175° | 10.3 |
| 177.5° | 5.2 |
| 180° | 2.6 |



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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 | 9.8 | 10.9 | 10.6 | 11.7 | 12.7 | 9.8 | 10.9 | 10.6 | 11.7 | 12.7 |
| | 3H | 12.3 | 13.3 | 13.1 | 14.1 | 15.1 | 12.3 | 13.3 | 13.1 | 14.1 | 15.1 |
| | 4H | 13.4 | 14.4 | 14.3 | 15.2 | 16.3 | 13.4 | 14.4 | 14.3 | 15.2 | 16.3 |
| | 6H | 14.5 | 15.4 | 15.4 | 16.3 | 17.3 | 14.5 | 15.4 | 15.4 | 16.3 | 17.3 |
| | 8H | 15.0 | 15.9 | 15.9 | 16.8 | 17.8 | 15.0 | 15.9 | 15.9 | 16.8 | 17.8 |
| | 12H | 15.5 | 16.3 | 16.4 | 17.2 | 18.3 | 15.5 | 16.3 | 16.4 | 17.2 | 18.3 |
| 4H | 2H | 10.4 | 11.4 | 11.3 | 12.2 | 13.3 | 10.4 | 11.4 | 11.3 | 12.2 | 13.3 |
| | 3H | 13.1 | 13.9 | 13.9 | 14.8 | 15.9 | 13.1 | 13.9 | 13.9 | 14.8 | 15.9 |
| | 4H | 14.4 | 15.2 | 15.3 | 16.0 | 17.1 | 14.4 | 15.2 | 15.3 | 16.0 | 17.1 |
| | 6H | 15.7 | 16.4 | 16.6 | 17.3 | 18.4 | 15.7 | 16.4 | 16.6 | 17.3 | 18.4 |
| | 8H | 16.3 | 16.9 | 17.2 | 17.8 | 18.9 | 16.3 | 16.9 | 17.2 | 17.8 | 18.9 |
| | 12H | 16.9 | 17.5 | 17.8 | 18.4 | 19.5 | 16.9 | 17.5 | 17.8 | 18.4 | 19.5 |
| 8H | 4H | 14.9 | 15.5 | 15.7 | 16.4 | 17.5 | 14.9 | 15.5 | 15.7 | 16.4 | 17.5 |
| | 6H | 16.3 | 16.9 | 17.2 | 17.8 | 18.9 | 16.3 | 16.9 | 17.2 | 17.8 | 18.9 |
| | 8H | 17.0 | 17.5 | 17.9 | 18.4 | 19.6 | 17.0 | 17.5 | 17.9 | 18.4 | 19.6 |
| | 12H | 17.8 | 18.2 | 18.7 | 19.2 | 20.3 | 17.8 | 18.2 | 18.7 | 19.2 | 20.3 |
| 12H | 4H | 14.9 | 15.5 | 15.8 | 16.4 | 17.5 | 14.9 | 15.5 | 15.8 | 16.4 | 17.5 |
| | 6H | 16.5 | 16.9 | 17.4 | 17.8 | 19.0 | 16.5 | 16.9 | 17.4 | 17.8 | 19.0 |
| | 8H | 17.3 | 17.7 | 18.2 | 18.6 | 19.8 | 17.3 | 17.7 | 18.2 | 18.6 | 19.8 |

(END OF REPORT)