

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: P1245401

Luminaire Tested: PRLX-UNA-M-930-03L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245401
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-930-03L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, NATURAL LINES SHADE TEXT LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

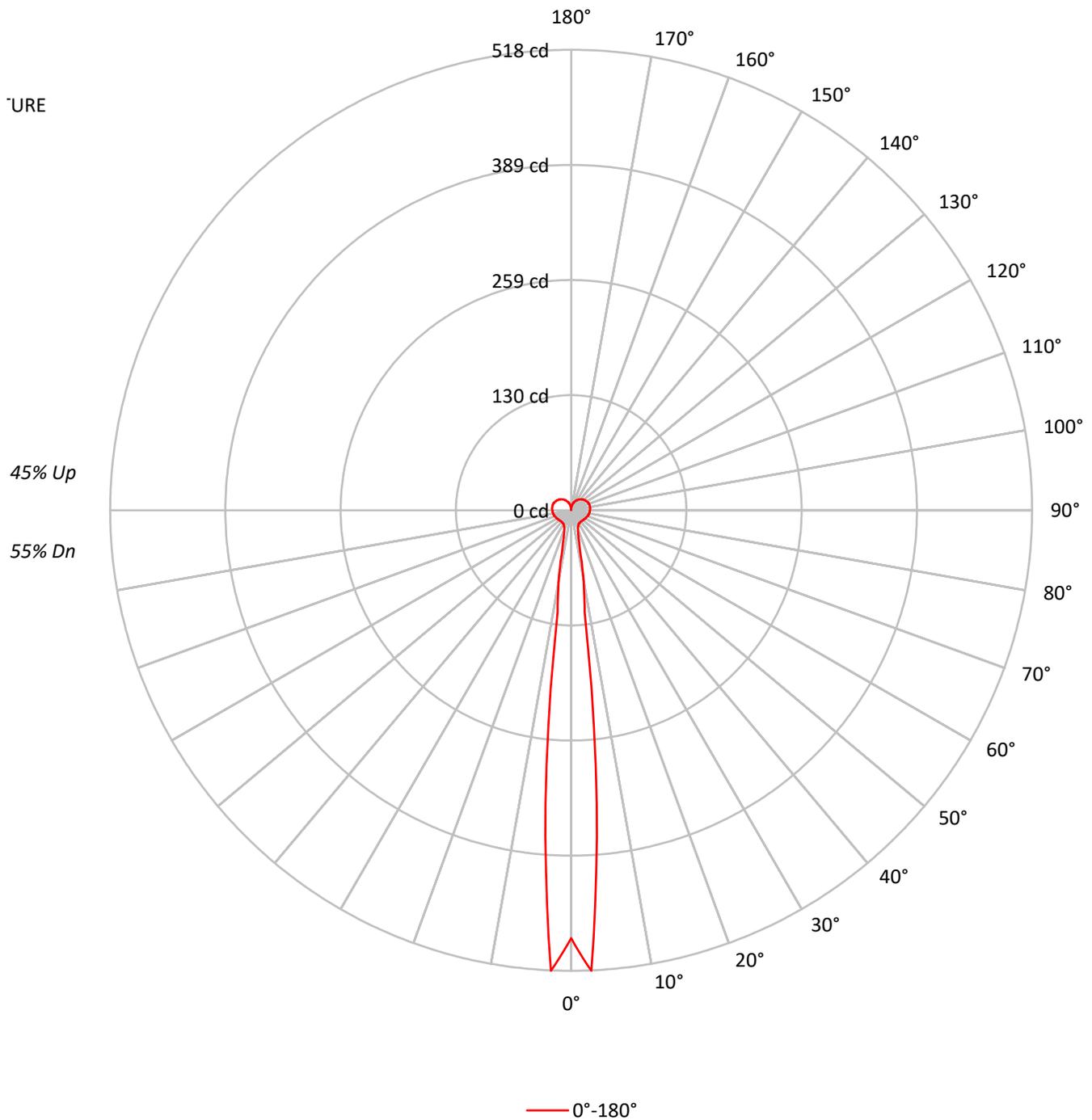
Lumens per Lamp: N/A
Luminaire Lumens: 257.9 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 11.1
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 | | 31 | 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° | 24665 |
| 5° | 12481 |
| 10° | 2396 |
| 15° | 806 |
| 20° | 480 |
| 25° | 368 |
| 30° | 302 |
| 35° | 272 |
| 40° | 249 |
| 45° | 239 |
| 50° | 232 |
| 55° | 228 |
| 60° | 230 |
| 65° | 229 |
| 70° | 234 |
| 75° | 241 |
| 80° | 245 |
| 85° | 252 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 260 cd/sqm

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 21.4 | 8.3 |
| 10°-20° | 10.3 | 4.0 |
| 20°-30° | 8.9 | 3.4 |
| 30°-40° | 10.7 | 4.1 |
| 40°-50° | 13.2 | 5.1 |
| 50°-60° | 16.0 | 6.2 |
| 60°-70° | 18.7 | 7.3 |
| 70°-80° | 21.2 | 8.2 |
| 80°-90° | 22.8 | 8.8 |
| 90°-100° | 23.3 | 9.0 |
| 100°-110° | 22.7 | 8.8 |
| 110°-120° | 20.7 | 8.0 |
| 120°-130° | 17.4 | 6.7 |
| 130°-140° | 13.4 | 5.2 |
| 140°-150° | 9.3 | 3.6 |
| 150°-160° | 5.4 | 2.1 |
| 160°-170° | 2.3 | 0.9 |
| 170°-180° | 0.3 | 0.1 |
| 0°-30° | 40.5 | 15.7 |
| 0°-40° | 51.2 | 19.8 |
| 0°-60° | 80.4 | 31.2 |
| 0°-90° | 143.1 | 55.5 |
| 90°-120° | 66.7 | 25.9 |
| 90°-150° | 106.8 | 41.4 |
| 90°-180° | 115.0 | 44.6 |
| 0°-180° | 257.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|-----|------|
| 0° | 481 | |
| 5° | 331 | 21 |
| 15° | 32 | 10 |
| 25° | 19 | 9 |
| 35° | 17 | 11 |
| 45° | 17 | 13 |
| 55° | 18 | 16 |
| 65° | 19 | 19 |
| 75° | 20 | 21 |
| 85° | 21 | 17 |
| 90° | 21 | 12 |
| 95° | 22 | 18 |
| 105° | 22 | 23 |
| 115° | 21 | 21 |
| 125° | 20 | 17 |
| 135° | 17 | 13 |
| 145° | 15 | 9 |
| 155° | 12 | 5 |
| 165° | 8 | 2 |
| 175° | 2 | 0 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|-------|
| 0° | 481.3 |
| 2.5° | 518.5 |
| 5° | 331.4 |
| 7.5° | 115.6 |
| 10° | 80.0 |
| 12.5° | 45.8 |
| 15° | 32.2 |
| 17.5° | 26.0 |
| 20° | 22.2 |
| 22.5° | 20.2 |
| 25° | 19.2 |
| 27.5° | 18.1 |
| 30° | 17.4 |
| 32.5° | 17.1 |
| 35° | 17.1 |
| 37.5° | 16.8 |
| 40° | 16.8 |
| 42.5° | 16.8 |
| 45° | 17.1 |
| 47.5° | 17.1 |
| 50° | 17.4 |
| 52.5° | 17.4 |
| 55° | 17.8 |
| 57.5° | 18.1 |
| 60° | 18.5 |
| 62.5° | 18.5 |
| 65° | 18.8 |
| 67.5° | 19.2 |
| 70° | 19.5 |
| 72.5° | 19.8 |
| 75° | 20.2 |
| 77.5° | 20.2 |
| 80° | 20.5 |
| 82.5° | 20.9 |
| 85° | 20.9 |
| 87.5° | 20.9 |
| 90° | 21.2 |
| 92.5° | 21.2 |
| 95° | 21.5 |
| 97.5° | 21.5 |
| 100° | 21.5 |
| 102.5° | 21.5 |
| 105° | 21.5 |
| 107.5° | 21.5 |
| 110° | 21.2 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 21.2 |
| 115° | 20.9 |
| 117.5° | 20.5 |
| 120° | 20.2 |
| 122.5° | 19.8 |
| 125° | 19.5 |
| 127.5° | 18.8 |
| 130° | 18.5 |
| 132.5° | 17.8 |
| 135° | 17.4 |
| 137.5° | 16.8 |
| 140° | 16.1 |
| 142.5° | 15.4 |
| 145° | 14.7 |
| 147.5° | 14.0 |
| 150° | 13.3 |
| 152.5° | 12.3 |
| 155° | 11.6 |
| 157.5° | 10.6 |
| 160° | 9.9 |
| 162.5° | 8.9 |
| 165° | 7.9 |
| 167.5° | 6.8 |
| 170° | 5.8 |
| 172.5° | 4.1 |
| 175° | 2.4 |
| 177.5° | 1.0 |
| 180° | 0.3 |



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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 | 2.0 | 3.0 | 2.9 | 3.9 | 5.1 | 2.0 | 3.0 | 2.9 | 3.9 | 5.1 |
| | 3H | 5.0 | 5.9 | 5.9 | 6.9 | 8.1 | 5.0 | 5.9 | 5.9 | 6.9 | 8.1 |
| | 4H | 6.5 | 7.4 | 7.4 | 8.3 | 9.6 | 6.5 | 7.4 | 7.4 | 8.3 | 9.6 |
| | 6H | 8.0 | 8.8 | 8.9 | 9.8 | 11.0 | 8.0 | 8.8 | 8.9 | 9.8 | 11.0 |
| | 8H | 8.7 | 9.5 | 9.6 | 10.5 | 11.7 | 8.7 | 9.5 | 9.6 | 10.5 | 11.7 |
| | 12H | 9.4 | 10.2 | 10.3 | 11.1 | 12.4 | 9.4 | 10.2 | 10.3 | 11.1 | 12.4 |
| 4H | 2H | 2.8 | 3.7 | 3.7 | 4.6 | 5.8 | 2.8 | 3.7 | 3.7 | 4.6 | 5.8 |
| | 3H | 6.0 | 6.7 | 6.9 | 7.7 | 8.9 | 6.0 | 6.7 | 6.9 | 7.7 | 8.9 |
| | 4H | 7.6 | 8.3 | 8.6 | 9.3 | 10.5 | 7.6 | 8.3 | 8.6 | 9.3 | 10.5 |
| | 6H | 9.3 | 9.9 | 10.2 | 10.9 | 12.1 | 9.3 | 9.9 | 10.2 | 10.9 | 12.1 |
| | 8H | 10.1 | 10.7 | 11.0 | 11.6 | 12.9 | 10.1 | 10.7 | 11.0 | 11.6 | 12.9 |
| | 12H | 10.9 | 11.4 | 11.8 | 12.4 | 13.7 | 10.9 | 11.4 | 11.8 | 12.4 | 13.7 |
| 8H | 4H | 8.2 | 8.7 | 9.1 | 9.7 | 11.0 | 8.2 | 8.7 | 9.1 | 9.7 | 11.0 |
| | 6H | 10.0 | 10.5 | 11.0 | 11.5 | 12.8 | 10.0 | 10.5 | 11.0 | 11.5 | 12.8 |
| | 8H | 11.0 | 11.4 | 11.9 | 12.4 | 13.7 | 11.0 | 11.4 | 11.9 | 12.4 | 13.7 |
| | 12H | 11.9 | 12.3 | 12.9 | 13.3 | 14.7 | 11.9 | 12.3 | 12.9 | 13.3 | 14.7 |
| 12H | 4H | 8.3 | 8.8 | 9.2 | 9.8 | 11.1 | 8.3 | 8.8 | 9.2 | 9.8 | 11.1 |
| | 6H | 10.2 | 10.6 | 11.2 | 11.6 | 12.9 | 10.2 | 10.6 | 11.2 | 11.6 | 12.9 |
| | 8H | 11.2 | 11.6 | 12.2 | 12.6 | 14.0 | 11.2 | 11.6 | 12.2 | 12.6 | 14.0 |

(END OF REPORT)