

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: P1245304

Luminaire Tested: PRLX-UNA-L-927-20L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-20L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

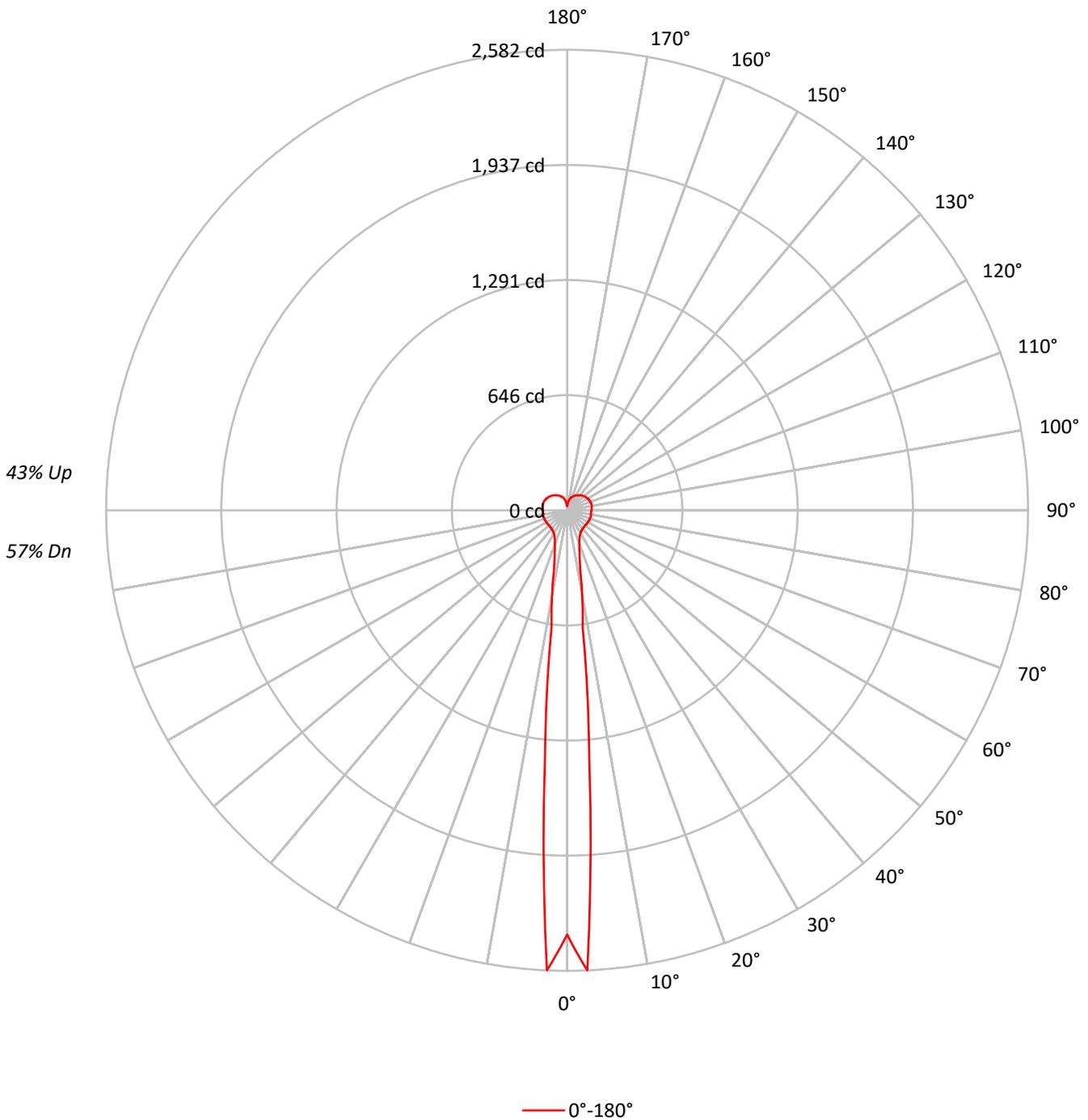
Lumens per Lamp: N/A
Luminaire Lumens: 1769.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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 | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | | 74 | 74 | 74 | | 62 | 62 | 62 | 57 |
| 1 | 96 | 90 | 85 | 80 | 88 | 83 | 79 | 75 | 71 | 68 | 64 | | 60 | 57 | 55 | | 49 | 47 | 46 | 40 |
| 2 | 86 | 77 | 70 | 63 | 80 | 72 | 65 | 59 | 61 | 56 | 51 | | 51 | 47 | 44 | | 42 | 39 | 37 | 32 |
| 3 | 79 | 68 | 59 | 52 | 72 | 63 | 55 | 49 | 54 | 48 | 43 | | 45 | 40 | 37 | | 37 | 34 | 31 | 27 |
| 4 | 72 | 60 | 51 | 44 | 66 | 56 | 48 | 42 | 48 | 41 | 37 | | 40 | 35 | 31 | | 33 | 30 | 27 | 23 |
| 5 | 66 | 54 | 45 | 38 | 61 | 50 | 42 | 36 | 43 | 37 | 32 | | 36 | 31 | 28 | | 30 | 27 | 23 | 20 |
| 6 | 61 | 48 | 40 | 34 | 57 | 45 | 37 | 32 | 39 | 33 | 28 | | 33 | 28 | 25 | | 28 | 24 | 21 | 18 |
| 7 | 57 | 44 | 36 | 30 | 53 | 41 | 34 | 28 | 36 | 30 | 25 | | 31 | 26 | 22 | | 26 | 22 | 19 | 17 |
| 8 | 53 | 41 | 33 | 27 | 49 | 38 | 31 | 26 | 33 | 27 | 23 | | 29 | 24 | 20 | | 24 | 21 | 18 | 15 |
| 9 | 50 | 37 | 30 | 25 | 46 | 35 | 28 | 23 | 31 | 25 | 21 | | 27 | 22 | 19 | | 23 | 19 | 16 | 14 |
| 10 | 47 | 35 | 27 | 22 | 44 | 33 | 26 | 21 | 29 | 23 | 19 | | 25 | 21 | 17 | | 22 | 18 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 75269 |
| 5° | 35277 |
| 10° | 9918 |
| 15° | 4659 |
| 20° | 3069 |
| 25° | 2280 |
| 30° | 1876 |
| 35° | 1639 |
| 40° | 1479 |
| 45° | 1388 |
| 50° | 1324 |
| 55° | 1289 |
| 60° | 1265 |
| 65° | 1259 |
| 70° | 1255 |
| 75° | 1262 |
| 80° | 1249 |
| 85° | 1267 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1388 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.0 | 6.0 |
| 10°-20° | 79.5 | 4.5 |
| 20°-30° | 77.5 | 4.4 |
| 30°-40° | 88.2 | 5.0 |
| 40°-50° | 103.0 | 5.8 |
| 50°-60° | 119.5 | 6.8 |
| 60°-70° | 134.3 | 7.6 |
| 70°-80° | 144.2 | 8.2 |
| 80°-90° | 147.3 | 8.3 |
| 90°-100° | 151.0 | 8.5 |
| 100°-110° | 147.8 | 8.4 |
| 110°-120° | 135.1 | 7.6 |
| 120°-130° | 115.1 | 6.5 |
| 130°-140° | 90.8 | 5.1 |
| 140°-150° | 64.9 | 3.7 |
| 150°-160° | 40.8 | 2.3 |
| 160°-170° | 19.9 | 1.1 |
| 170°-180° | 4.1 | 0.2 |
| 0°-30° | 263.1 | 14.9 |
| 0°-40° | 351.3 | 19.9 |
| 0°-60° | 573.8 | 32.4 |
| 0°-90° | 999.5 | 56.5 |
| 90°-120° | 433.9 | 24.5 |
| 90°-150° | 704.7 | 39.8 |
| 90°-180° | 769.0 | 43.5 |
| 0°-180° | 1769.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 2379 | |
| 5° | 1430 | 106 |
| 15° | 268 | 80 |
| 25° | 165 | 77 |
| 35° | 140 | 88 |
| 45° | 133 | 103 |
| 55° | 133 | 120 |
| 65° | 135 | 134 |
| 75° | 137 | 144 |
| 85° | 135 | 110 |
| 90° | 136 | 75 |
| 95° | 138 | 113 |
| 105° | 140 | 148 |
| 115° | 136 | 135 |
| 125° | 128 | 115 |
| 135° | 117 | 91 |
| 145° | 103 | 65 |
| 155° | 88 | 41 |
| 165° | 70 | 20 |
| 175° | 36 | 4 |
| 180° | 24 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 2379.2 |
| 2.5° | 2581.8 |
| 5° | 1430.2 |
| 7.5° | 663.3 |
| 10° | 487.6 |
| 12.5° | 335.6 |
| 15° | 267.5 |
| 17.5° | 227.9 |
| 20° | 200.2 |
| 22.5° | 179.7 |
| 25° | 165.4 |
| 27.5° | 155.9 |
| 30° | 148.8 |
| 32.5° | 144.1 |
| 35° | 140.1 |
| 37.5° | 136.9 |
| 40° | 134.6 |
| 42.5° | 133.8 |
| 45° | 133.0 |
| 47.5° | 132.2 |
| 50° | 132.2 |
| 52.5° | 133.0 |
| 55° | 133.0 |
| 57.5° | 133.8 |
| 60° | 133.8 |
| 62.5° | 134.6 |
| 65° | 135.3 |
| 67.5° | 136.1 |
| 70° | 136.1 |
| 72.5° | 136.9 |
| 75° | 136.9 |
| 77.5° | 136.1 |
| 80° | 134.6 |
| 82.5° | 134.6 |
| 85° | 134.6 |
| 87.5° | 135.3 |
| 90° | 136.1 |
| 92.5° | 137.7 |
| 95° | 138.5 |
| 97.5° | 139.3 |
| 100° | 140.1 |
| 102.5° | 140.1 |
| 105° | 140.1 |
| 107.5° | 139.3 |
| 110° | 138.5 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 137.7 |
| 115° | 136.1 |
| 117.5° | 134.6 |
| 120° | 133.0 |
| 122.5° | 130.6 |
| 125° | 128.2 |
| 127.5° | 125.8 |
| 130° | 123.5 |
| 132.5° | 120.3 |
| 135° | 117.1 |
| 137.5° | 114.0 |
| 140° | 110.0 |
| 142.5° | 106.9 |
| 145° | 102.9 |
| 147.5° | 99.7 |
| 150° | 95.8 |
| 152.5° | 91.8 |
| 155° | 87.9 |
| 157.5° | 83.9 |
| 160° | 79.1 |
| 162.5° | 75.2 |
| 165° | 69.7 |
| 167.5° | 63.3 |
| 170° | 55.4 |
| 172.5° | 46.7 |
| 175° | 36.4 |
| 177.5° | 26.9 |
| 180° | 23.7 |



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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 | 8.3 | 9.3 | 9.2 | 10.2 | 11.4 | 8.3 | 9.3 | 9.2 | 10.2 | 11.4 |
| | 3H | 11.1 | 12.1 | 12.0 | 13.0 | 14.2 | 11.1 | 12.1 | 12.0 | 13.0 | 14.2 |
| | 4H | 12.5 | 13.4 | 13.4 | 14.3 | 15.5 | 12.5 | 13.4 | 13.4 | 14.3 | 15.5 |
| | 6H | 13.9 | 14.7 | 14.8 | 15.6 | 16.8 | 13.9 | 14.7 | 14.8 | 15.6 | 16.8 |
| | 8H | 14.5 | 15.3 | 15.4 | 16.2 | 17.5 | 14.5 | 15.3 | 15.4 | 16.2 | 17.5 |
| | 12H | 15.1 | 15.9 | 16.1 | 16.8 | 18.1 | 15.1 | 15.9 | 16.1 | 16.8 | 18.1 |
| 4H | 2H | 9.0 | 9.9 | 9.9 | 10.8 | 12.0 | 9.0 | 9.9 | 9.9 | 10.8 | 12.0 |
| | 3H | 12.1 | 12.8 | 13.0 | 13.8 | 15.0 | 12.1 | 12.8 | 13.0 | 13.8 | 15.0 |
| | 4H | 13.6 | 14.3 | 14.5 | 15.3 | 16.5 | 13.6 | 14.3 | 14.5 | 15.3 | 16.5 |
| | 6H | 15.1 | 15.7 | 16.0 | 16.7 | 17.9 | 15.1 | 15.7 | 16.0 | 16.7 | 17.9 |
| | 8H | 15.8 | 16.4 | 16.8 | 17.4 | 18.7 | 15.8 | 16.4 | 16.8 | 17.4 | 18.7 |
| | 12H | 16.6 | 17.1 | 17.5 | 18.1 | 19.4 | 16.6 | 17.1 | 17.5 | 18.1 | 19.4 |
| 8H | 4H | 14.1 | 14.7 | 15.0 | 15.6 | 16.9 | 14.1 | 14.7 | 15.0 | 15.6 | 16.9 |
| | 6H | 15.8 | 16.3 | 16.8 | 17.3 | 18.6 | 15.8 | 16.3 | 16.8 | 17.3 | 18.6 |
| | 8H | 16.7 | 17.1 | 17.6 | 18.1 | 19.4 | 16.7 | 17.1 | 17.6 | 18.1 | 19.4 |
| | 12H | 17.6 | 18.0 | 18.6 | 19.0 | 20.3 | 17.6 | 18.0 | 18.6 | 19.0 | 20.3 |
| 12H | 4H | 14.2 | 14.7 | 15.1 | 15.7 | 17.0 | 14.2 | 14.7 | 15.1 | 15.7 | 17.0 |
| | 6H | 16.0 | 16.4 | 16.9 | 17.4 | 18.7 | 16.0 | 16.4 | 16.9 | 17.4 | 18.7 |
| | 8H | 16.9 | 17.3 | 17.9 | 18.3 | 19.6 | 16.9 | 17.3 | 17.9 | 18.3 | 19.6 |

(END OF REPORT)