

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: P1244801

Luminaire Tested: PRLX-MIN-L-927-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-927-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

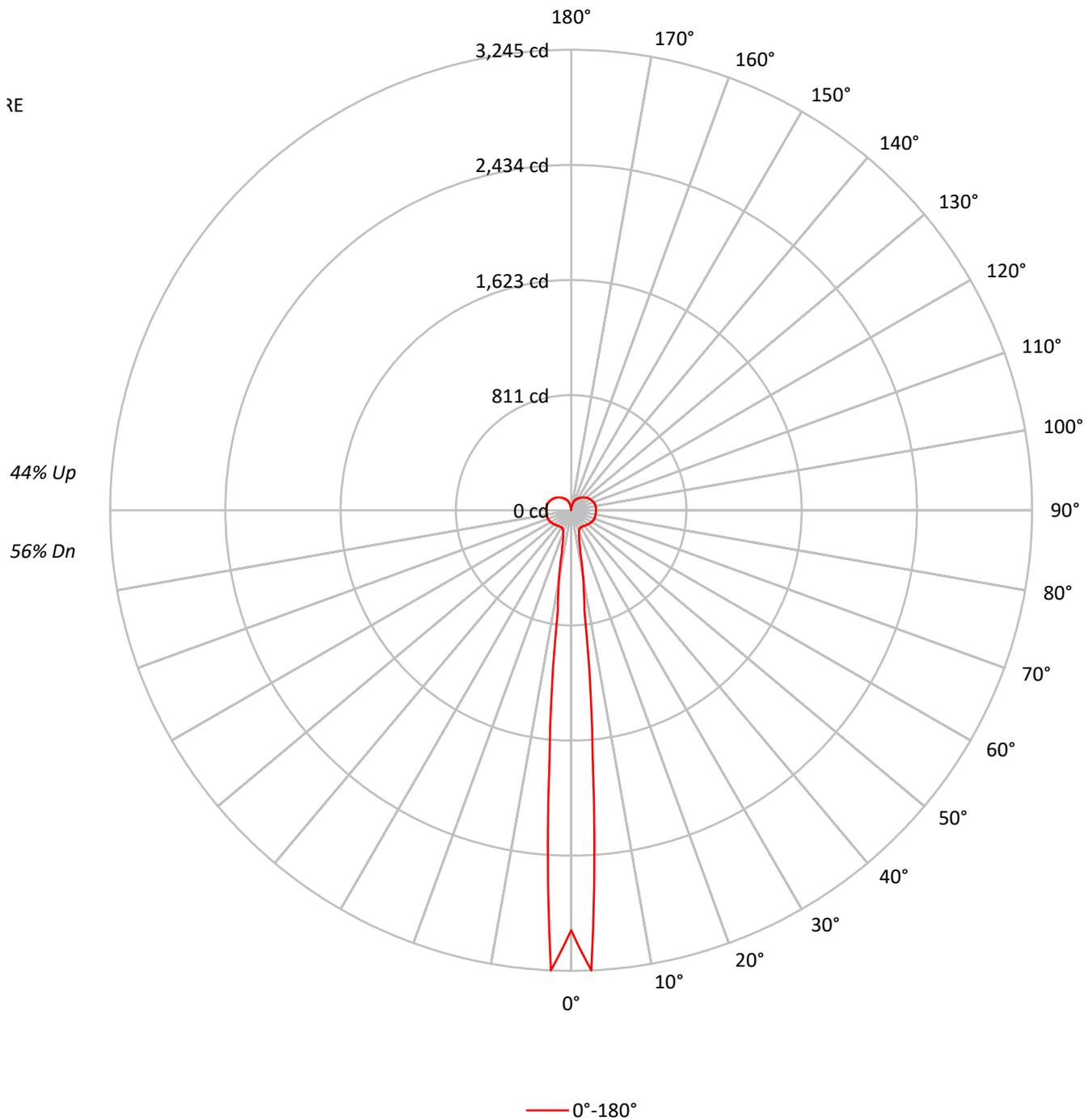
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2041.0 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): 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: P1244801
CATALOG NUMBER: PRLX-MIN-L-927-23L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1244801

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-NL

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 | 56 |
| 1 | 95 | 89 | 83 | 78 | 88 | 82 | 77 | 73 | 70 | 66 | 63 | 59 | 56 | 53 | 48 | 46 | 44 | 39 |
| 2 | 85 | 76 | 68 | 62 | 79 | 70 | 63 | 58 | 60 | 54 | 50 | 50 | 46 | 42 | 41 | 38 | 35 | 30 |
| 3 | 77 | 66 | 57 | 50 | 71 | 61 | 53 | 47 | 52 | 46 | 41 | 43 | 39 | 35 | 36 | 32 | 29 | 25 |
| 4 | 71 | 58 | 49 | 42 | 65 | 54 | 46 | 40 | 46 | 40 | 35 | 39 | 34 | 30 | 32 | 28 | 25 | 21 |
| 5 | 65 | 52 | 43 | 37 | 60 | 48 | 40 | 34 | 41 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 18 |
| 6 | 60 | 47 | 38 | 32 | 55 | 44 | 36 | 30 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 22 | 19 | 16 |
| 7 | 56 | 43 | 34 | 28 | 52 | 40 | 32 | 27 | 35 | 28 | 24 | 29 | 24 | 21 | 25 | 21 | 18 | 15 |
| 8 | 52 | 39 | 31 | 25 | 48 | 37 | 29 | 24 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 14 |
| 9 | 49 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 30 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 13 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 24 | 19 | 16 | 21 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 93593 |
| 5° | 42919 |
| 10° | 10005 |
| 15° | 3820 |
| 20° | 2467 |
| 25° | 1963 |
| 30° | 1744 |
| 35° | 1631 |
| 40° | 1577 |
| 45° | 1551 |
| 50° | 1539 |
| 55° | 1549 |
| 60° | 1560 |
| 65° | 1582 |
| 70° | 1598 |
| 75° | 1615 |
| 80° | 1616 |
| 85° | 1649 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1687 cd/sqm

TEST NUMBER: P1244801

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-NL

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 124.8 | 6.1 |
| 10°-20° | 68.7 | 3.4 |
| 20°-30° | 66.9 | 3.3 |
| 30°-40° | 87.8 | 4.3 |
| 40°-50° | 115.2 | 5.6 |
| 50°-60° | 143.4 | 7.0 |
| 60°-70° | 168.7 | 8.3 |
| 70°-80° | 184.4 | 9.0 |
| 80°-90° | 190.7 | 9.3 |
| 90°-100° | 191.0 | 9.4 |
| 100°-110° | 181.6 | 8.9 |
| 110°-120° | 160.7 | 7.9 |
| 120°-130° | 132.3 | 6.5 |
| 130°-140° | 99.8 | 4.9 |
| 140°-150° | 67.5 | 3.3 |
| 150°-160° | 39.5 | 1.9 |
| 160°-170° | 16.3 | 0.8 |
| 170°-180° | 1.6 | 0.1 |
| 0°-30° | 260.4 | 12.8 |
| 0°-40° | 348.3 | 17.1 |
| 0°-60° | 606.9 | 29.7 |
| 0°-90° | 1150.7 | 56.4 |
| 90°-120° | 533.3 | 26.1 |
| 90°-150° | 832.9 | 40.8 |
| 90°-180° | 890.0 | 43.6 |
| 0°-180° | 2041.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 2958 | |
| 5° | 1740 | 125 |
| 15° | 219 | 69 |
| 25° | 142 | 67 |
| 35° | 139 | 88 |
| 45° | 149 | 115 |
| 55° | 160 | 143 |
| 65° | 170 | 169 |
| 75° | 175 | 184 |
| 85° | 175 | 143 |
| 90° | 175 | 96 |
| 95° | 175 | 143 |
| 105° | 172 | 182 |
| 115° | 162 | 161 |
| 125° | 148 | 132 |
| 135° | 129 | 100 |
| 145° | 107 | 67 |
| 155° | 85 | 40 |
| 165° | 57 | 16 |
| 175° | 8 | 2 |
| 180° | 1 | |

TEST NUMBER: P1244801

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-NL

CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 2958.4 |
| 2.5° | 3245.4 |
| 5° | 1740.0 |
| 7.5° | 708.1 |
| 10° | 491.9 |
| 12.5° | 301.3 |
| 15° | 219.3 |
| 17.5° | 182.4 |
| 20° | 160.9 |
| 22.5° | 149.6 |
| 25° | 142.4 |
| 27.5° | 139.4 |
| 30° | 138.3 |
| 32.5° | 138.3 |
| 35° | 139.4 |
| 37.5° | 140.4 |
| 40° | 143.5 |
| 42.5° | 145.5 |
| 45° | 148.6 |
| 47.5° | 151.7 |
| 50° | 153.7 |
| 52.5° | 156.8 |
| 55° | 159.9 |
| 57.5° | 162.9 |
| 60° | 165.0 |
| 62.5° | 168.1 |
| 65° | 170.1 |
| 67.5° | 172.2 |
| 70° | 173.2 |
| 72.5° | 174.2 |
| 75° | 175.2 |
| 77.5° | 174.2 |
| 80° | 174.2 |
| 82.5° | 174.2 |
| 85° | 175.2 |
| 87.5° | 175.2 |
| 90° | 175.2 |
| 92.5° | 175.2 |
| 95° | 175.2 |
| 97.5° | 175.2 |
| 100° | 174.2 |
| 102.5° | 173.2 |
| 105° | 172.2 |
| 107.5° | 170.1 |
| 110° | 168.1 |

TEST NUMBER: P1244801

CATALOG NUMBER: PRLX-MIN-L-927-23L-U-NL

CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 165.0 |
| 115° | 161.9 |
| 117.5° | 158.8 |
| 120° | 154.7 |
| 122.5° | 151.7 |
| 125° | 147.6 |
| 127.5° | 143.5 |
| 130° | 138.3 |
| 132.5° | 134.2 |
| 135° | 129.1 |
| 137.5° | 123.0 |
| 140° | 117.8 |
| 142.5° | 112.7 |
| 145° | 106.6 |
| 147.5° | 101.5 |
| 150° | 96.3 |
| 152.5° | 90.2 |
| 155° | 85.1 |
| 157.5° | 78.9 |
| 160° | 72.8 |
| 162.5° | 65.6 |
| 165° | 57.4 |
| 167.5° | 46.1 |
| 170° | 31.8 |
| 172.5° | 19.5 |
| 175° | 8.2 |
| 177.5° | 2.0 |
| 180° | 1.0 |

TEST NUMBER: P1244801

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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 | 9.1 | 10.2 | 10.0 | 11.1 | 12.3 | 9.1 | 10.2 | 10.0 | 11.1 | 12.3 |
| | 3H | 12.1 | 13.1 | 13.0 | 14.0 | 15.2 | 12.1 | 13.1 | 13.0 | 14.0 | 15.2 |
| | 4H | 13.6 | 14.5 | 14.5 | 15.4 | 16.6 | 13.6 | 14.5 | 14.5 | 15.4 | 16.6 |
| | 6H | 15.0 | 15.8 | 15.9 | 16.8 | 18.0 | 15.0 | 15.8 | 15.9 | 16.8 | 18.0 |
| | 8H | 15.6 | 16.5 | 16.6 | 17.4 | 18.6 | 15.6 | 16.5 | 16.6 | 17.4 | 18.6 |
| | 12H | 16.3 | 17.1 | 17.2 | 18.0 | 19.3 | 16.3 | 17.1 | 17.2 | 18.0 | 19.3 |
| 4H | 2H | 9.9 | 10.8 | 10.8 | 11.8 | 13.0 | 9.9 | 10.8 | 10.8 | 11.8 | 13.0 |
| | 3H | 13.1 | 13.9 | 14.0 | 14.8 | 16.1 | 13.1 | 13.9 | 14.0 | 14.8 | 16.1 |
| | 4H | 14.7 | 15.4 | 15.6 | 16.4 | 17.6 | 14.7 | 15.4 | 15.6 | 16.4 | 17.6 |
| | 6H | 16.2 | 16.9 | 17.2 | 17.9 | 19.1 | 16.2 | 16.9 | 17.2 | 17.9 | 19.1 |
| | 8H | 17.0 | 17.6 | 17.9 | 18.6 | 19.8 | 17.0 | 17.6 | 17.9 | 18.6 | 19.8 |
| | 12H | 17.8 | 18.3 | 18.7 | 19.3 | 20.6 | 17.8 | 18.3 | 18.7 | 19.3 | 20.6 |
| 8H | 4H | 15.2 | 15.8 | 16.1 | 16.8 | 18.0 | 15.2 | 15.8 | 16.1 | 16.8 | 18.0 |
| | 6H | 16.9 | 17.5 | 17.9 | 18.5 | 19.7 | 16.9 | 17.5 | 17.9 | 18.5 | 19.7 |
| | 8H | 17.9 | 18.3 | 18.8 | 19.3 | 20.6 | 17.9 | 18.3 | 18.8 | 19.3 | 20.6 |
| | 12H | 18.8 | 19.2 | 19.8 | 20.2 | 21.5 | 18.8 | 19.2 | 19.8 | 20.2 | 21.5 |
| 12H | 4H | 15.3 | 15.9 | 16.3 | 16.9 | 18.1 | 15.3 | 15.9 | 16.3 | 16.9 | 18.1 |
| | 6H | 17.1 | 17.6 | 18.1 | 18.6 | 19.9 | 17.1 | 17.6 | 18.1 | 18.6 | 19.9 |
| | 8H | 18.1 | 18.5 | 19.1 | 19.5 | 20.8 | 18.1 | 18.5 | 19.1 | 19.5 | 20.8 |

(END OF REPORT)