

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: P1245103

Luminaire Tested: PRLX-NIM-L-940-09L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-09L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

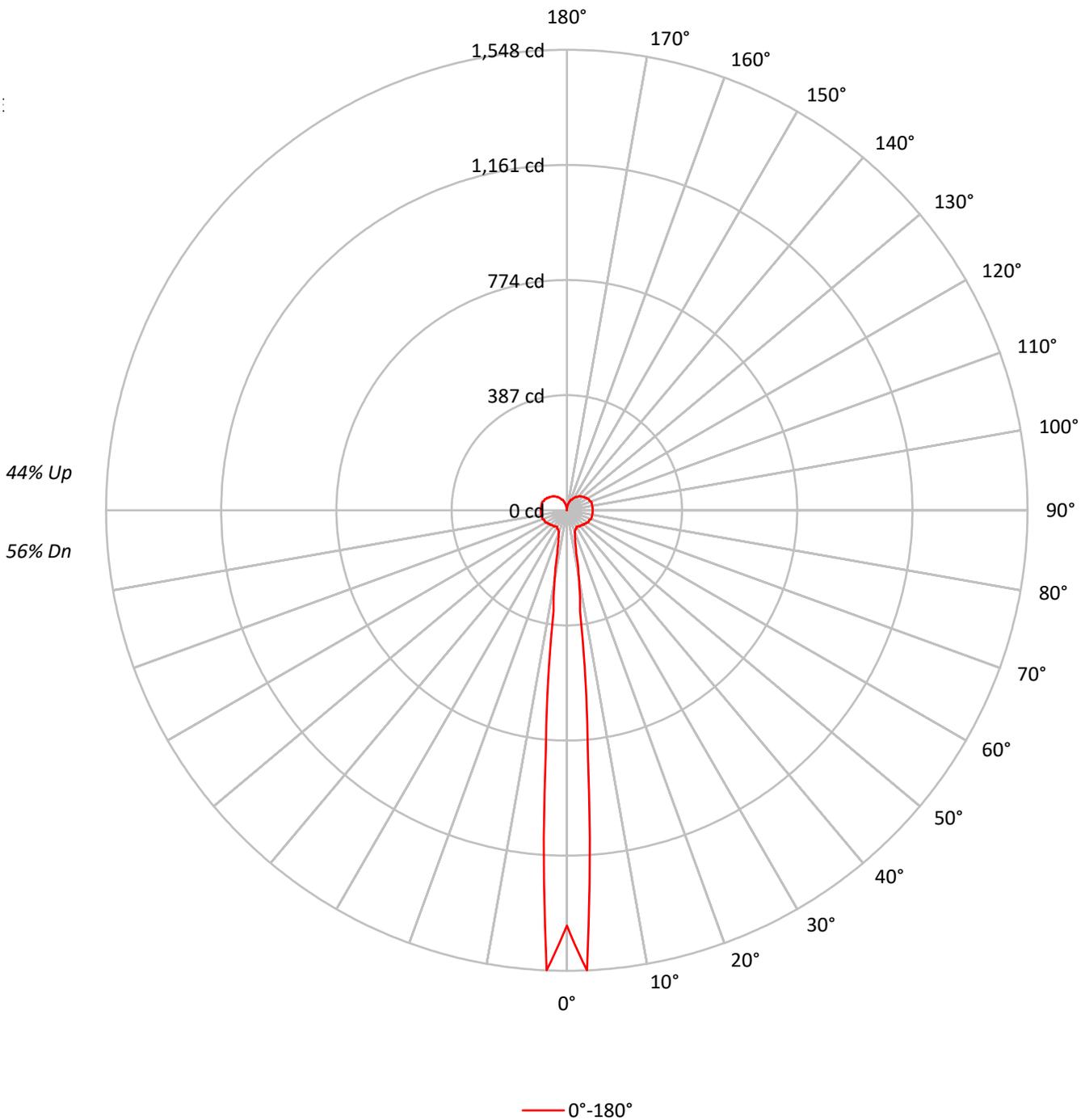
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1008.9 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 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): 22.6
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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 56 |
| 1 | 95 | 89 | 83 | 78 | 87 | 82 | 77 | 73 | 70 | 66 | 62 | 58 | 55 | 53 | 48 | 45 | 43 | 38 |
| 2 | 85 | 76 | 68 | 61 | 78 | 70 | 63 | 57 | 59 | 54 | 49 | 49 | 45 | 42 | 40 | 37 | 34 | 30 |
| 3 | 77 | 66 | 57 | 50 | 71 | 61 | 53 | 47 | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 28 | 24 |
| 4 | 71 | 58 | 49 | 42 | 65 | 54 | 46 | 40 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 20 |
| 5 | 65 | 52 | 43 | 36 | 60 | 48 | 40 | 34 | 41 | 35 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 18 |
| 6 | 60 | 47 | 38 | 32 | 55 | 44 | 36 | 30 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 16 |
| 7 | 56 | 43 | 34 | 28 | 51 | 40 | 32 | 27 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 15 |
| 8 | 52 | 39 | 31 | 25 | 48 | 36 | 29 | 24 | 32 | 25 | 21 | 27 | 22 | 18 | 23 | 19 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 12 |
| 10 | 46 | 33 | 26 | 21 | 43 | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 | 20 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 44168 |
| 5° | 19999 |
| 10° | 4761 |
| 15° | 1888 |
| 20° | 1196 |
| 25° | 957 |
| 30° | 820 |
| 35° | 761 |
| 40° | 763 |
| 45° | 724 |
| 50° | 738 |
| 55° | 756 |
| 60° | 779 |
| 65° | 767 |
| 70° | 800 |
| 75° | 799 |
| 80° | 804 |
| 85° | 816 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 835 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.2 | 5.9 |
| 10°-20° | 33.6 | 3.3 |
| 20°-30° | 32.7 | 3.2 |
| 30°-40° | 41.9 | 4.2 |
| 40°-50° | 55.1 | 5.5 |
| 50°-60° | 69.1 | 6.8 |
| 60°-70° | 82.3 | 8.2 |
| 70°-80° | 91.7 | 9.1 |
| 80°-90° | 94.6 | 9.4 |
| 90°-100° | 94.6 | 9.4 |
| 100°-110° | 91.7 | 9.1 |
| 110°-120° | 81.8 | 8.1 |
| 120°-130° | 67.2 | 6.7 |
| 130°-140° | 51.3 | 5.1 |
| 140°-150° | 34.5 | 3.4 |
| 150°-160° | 19.0 | 1.9 |
| 160°-170° | 7.6 | 0.8 |
| 170°-180° | 0.9 | 0.1 |
| 0°-30° | 125.5 | 12.4 |
| 0°-40° | 167.5 | 16.6 |
| 0°-60° | 291.6 | 28.9 |
| 0°-90° | 560.3 | 55.5 |
| 90°-120° | 268.1 | 26.6 |
| 90°-150° | 421.1 | 41.7 |
| 90°-180° | 449.0 | 44.5 |
| 0°-180° | 1008.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 1396 | |
| 5° | 811 | 59 |
| 15° | 108 | 34 |
| 25° | 69 | 33 |
| 35° | 65 | 42 |
| 45° | 69 | 55 |
| 55° | 78 | 69 |
| 65° | 82 | 82 |
| 75° | 87 | 92 |
| 85° | 87 | 71 |
| 90° | 87 | 48 |
| 95° | 87 | 71 |
| 105° | 87 | 92 |
| 115° | 82 | 82 |
| 125° | 74 | 67 |
| 135° | 65 | 51 |
| 145° | 56 | 35 |
| 155° | 39 | 19 |
| 165° | 26 | 8 |
| 175° | 4 | 1 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 1396.1 |
| 2.5° | 1547.9 |
| 5° | 810.8 |
| 7.5° | 342.5 |
| 10° | 234.1 |
| 12.5° | 147.4 |
| 15° | 108.4 |
| 17.5° | 91.1 |
| 20° | 78.0 |
| 22.5° | 73.7 |
| 25° | 69.4 |
| 27.5° | 69.4 |
| 30° | 65.0 |
| 32.5° | 65.0 |
| 35° | 65.0 |
| 37.5° | 69.4 |
| 40° | 69.4 |
| 42.5° | 69.4 |
| 45° | 69.4 |
| 47.5° | 73.7 |
| 50° | 73.7 |
| 52.5° | 73.7 |
| 55° | 78.0 |
| 57.5° | 78.0 |
| 60° | 82.4 |
| 62.5° | 82.4 |
| 65° | 82.4 |
| 67.5° | 82.4 |
| 70° | 86.7 |
| 72.5° | 86.7 |
| 75° | 86.7 |
| 77.5° | 86.7 |
| 80° | 86.7 |
| 82.5° | 86.7 |
| 85° | 86.7 |
| 87.5° | 86.7 |
| 90° | 86.7 |
| 92.5° | 86.7 |
| 95° | 86.7 |
| 97.5° | 86.7 |
| 100° | 86.7 |
| 102.5° | 86.7 |
| 105° | 86.7 |
| 107.5° | 86.7 |
| 110° | 86.7 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|------|
| 112.5° | 82.4 |
| 115° | 82.4 |
| 117.5° | 82.4 |
| 120° | 78.0 |
| 122.5° | 78.0 |
| 125° | 73.7 |
| 127.5° | 73.7 |
| 130° | 69.4 |
| 132.5° | 69.4 |
| 135° | 65.0 |
| 137.5° | 65.0 |
| 140° | 60.7 |
| 142.5° | 56.4 |
| 145° | 56.4 |
| 147.5° | 52.0 |
| 150° | 47.7 |
| 152.5° | 43.4 |
| 155° | 39.0 |
| 157.5° | 39.0 |
| 160° | 34.7 |
| 162.5° | 30.4 |
| 165° | 26.0 |
| 167.5° | 21.7 |
| 170° | 17.3 |
| 172.5° | 13.0 |
| 175° | 4.3 |
| 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 | 6.5 | 7.5 | 7.4 | 8.4 | 9.6 | 6.5 | 7.5 | 7.4 | 8.4 | 9.6 |
| | 3H | 9.5 | 10.5 | 10.4 | 11.4 | 12.6 | 9.5 | 10.5 | 10.4 | 11.4 | 12.6 |
| | 4H | 11.0 | 11.9 | 11.9 | 12.9 | 14.1 | 11.0 | 11.9 | 11.9 | 12.9 | 14.1 |
| | 6H | 12.5 | 13.3 | 13.4 | 14.3 | 15.5 | 12.5 | 13.3 | 13.4 | 14.3 | 15.5 |
| | 8H | 13.2 | 14.0 | 14.1 | 14.9 | 16.1 | 13.2 | 14.0 | 14.1 | 14.9 | 16.1 |
| | 12H | 13.8 | 14.6 | 14.7 | 15.5 | 16.8 | 13.8 | 14.6 | 14.7 | 15.5 | 16.8 |
| 4H | 2H | 7.3 | 8.2 | 8.2 | 9.1 | 10.3 | 7.3 | 8.2 | 8.2 | 9.1 | 10.3 |
| | 3H | 10.5 | 11.3 | 11.5 | 12.3 | 13.5 | 10.5 | 11.3 | 11.5 | 12.3 | 13.5 |
| | 4H | 12.2 | 12.9 | 13.1 | 13.9 | 15.1 | 12.2 | 12.9 | 13.1 | 13.9 | 15.1 |
| | 6H | 13.8 | 14.4 | 14.7 | 15.4 | 16.6 | 13.8 | 14.4 | 14.7 | 15.4 | 16.6 |
| | 8H | 14.5 | 15.1 | 15.5 | 16.1 | 17.4 | 14.5 | 15.1 | 15.5 | 16.1 | 17.4 |
| | 12H | 15.3 | 15.9 | 16.3 | 16.8 | 18.1 | 15.3 | 15.9 | 16.3 | 16.8 | 18.1 |
| 8H | 4H | 12.7 | 13.3 | 13.6 | 14.3 | 15.5 | 12.7 | 13.3 | 13.6 | 14.3 | 15.5 |
| | 6H | 14.5 | 15.0 | 15.4 | 16.0 | 17.3 | 14.5 | 15.0 | 15.4 | 16.0 | 17.3 |
| | 8H | 15.4 | 15.9 | 16.4 | 16.9 | 18.2 | 15.4 | 15.9 | 16.4 | 16.9 | 18.2 |
| | 12H | 16.3 | 16.8 | 17.3 | 17.8 | 19.1 | 16.3 | 16.8 | 17.3 | 17.8 | 19.1 |
| 12H | 4H | 12.8 | 13.4 | 13.8 | 14.4 | 15.6 | 12.8 | 13.4 | 13.8 | 14.4 | 15.6 |
| | 6H | 14.7 | 15.1 | 15.6 | 16.1 | 17.4 | 14.7 | 15.1 | 15.6 | 16.1 | 17.4 |
| | 8H | 15.7 | 16.1 | 16.6 | 17.1 | 18.4 | 15.7 | 16.1 | 16.6 | 17.1 | 18.4 |

(END OF REPORT)