

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: P1245121

Luminaire Tested: PRLX-NIM-L-940-23L-U-NR

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245121
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-940-23L-U-NR
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

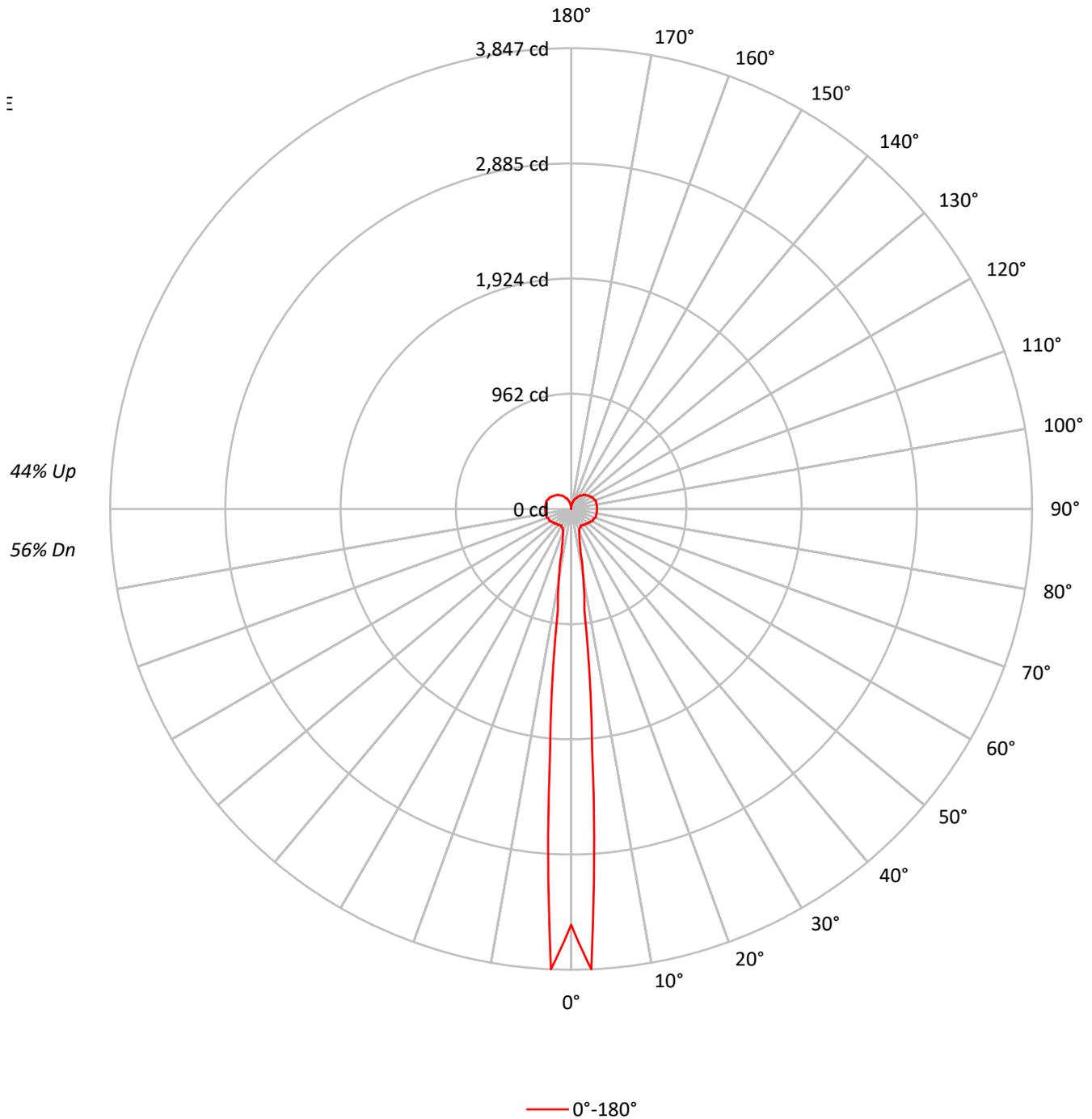
Lumens per Lamp: N/A
Luminaire Lumens: 2507.8 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 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

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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° | 109784 |
| 5° | 49710 |
| 10° | 11838 |
| 15° | 4692 |
| 20° | 2974 |
| 25° | 2377 |
| 30° | 2039 |
| 35° | 1892 |
| 40° | 1895 |
| 45° | 1800 |
| 50° | 1834 |
| 55° | 1880 |
| 60° | 1937 |
| 65° | 1905 |
| 70° | 1988 |
| 75° | 1986 |
| 80° | 1999 |
| 85° | 2029 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 2075 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.1 | 5.9 |
| 10°-20° | 83.6 | 3.3 |
| 20°-30° | 81.3 | 3.2 |
| 30°-40° | 104.3 | 4.2 |
| 40°-50° | 136.8 | 5.5 |
| 50°-60° | 171.8 | 6.9 |
| 60°-70° | 204.7 | 8.2 |
| 70°-80° | 228.0 | 9.1 |
| 80°-90° | 235.1 | 9.4 |
| 90°-100° | 235.1 | 9.4 |
| 100°-110° | 228.0 | 9.1 |
| 110°-120° | 203.4 | 8.1 |
| 120°-130° | 167.0 | 6.7 |
| 130°-140° | 127.5 | 5.1 |
| 140°-150° | 85.8 | 3.4 |
| 150°-160° | 47.1 | 1.9 |
| 160°-170° | 19.0 | 0.8 |
| 170°-180° | 2.3 | 0.1 |
| 0°-30° | 312.0 | 12.4 |
| 0°-40° | 416.3 | 16.6 |
| 0°-60° | 724.9 | 28.9 |
| 0°-90° | 1392.7 | 55.5 |
| 90°-120° | 666.5 | 26.6 |
| 90°-150° | 1046.8 | 41.7 |
| 90°-180° | 1115.0 | 44.5 |
| 0°-180° | 2507.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 3470 | |
| 5° | 2015 | 147 |
| 15° | 269 | 84 |
| 25° | 172 | 81 |
| 35° | 162 | 104 |
| 45° | 172 | 137 |
| 55° | 194 | 172 |
| 65° | 205 | 205 |
| 75° | 216 | 228 |
| 85° | 216 | 176 |
| 90° | 216 | 118 |
| 95° | 216 | 176 |
| 105° | 216 | 228 |
| 115° | 205 | 203 |
| 125° | 183 | 167 |
| 135° | 162 | 128 |
| 145° | 140 | 86 |
| 155° | 97 | 47 |
| 165° | 65 | 19 |
| 175° | 11 | 2 |
| 180° | 0 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 3470.2 |
| 2.5° | 3847.4 |
| 5° | 2015.3 |
| 7.5° | 851.4 |
| 10° | 582.0 |
| 12.5° | 366.4 |
| 15° | 269.4 |
| 17.5° | 226.3 |
| 20° | 194.0 |
| 22.5° | 183.2 |
| 25° | 172.4 |
| 27.5° | 172.4 |
| 30° | 161.7 |
| 32.5° | 161.7 |
| 35° | 161.7 |
| 37.5° | 172.4 |
| 40° | 172.4 |
| 42.5° | 172.4 |
| 45° | 172.4 |
| 47.5° | 183.2 |
| 50° | 183.2 |
| 52.5° | 183.2 |
| 55° | 194.0 |
| 57.5° | 194.0 |
| 60° | 204.8 |
| 62.5° | 204.8 |
| 65° | 204.8 |
| 67.5° | 204.8 |
| 70° | 215.5 |
| 72.5° | 215.5 |
| 75° | 215.5 |
| 77.5° | 215.5 |
| 80° | 215.5 |
| 82.5° | 215.5 |
| 85° | 215.5 |
| 87.5° | 215.5 |
| 90° | 215.5 |
| 92.5° | 215.5 |
| 95° | 215.5 |
| 97.5° | 215.5 |
| 100° | 215.5 |
| 102.5° | 215.5 |
| 105° | 215.5 |
| 107.5° | 215.5 |
| 110° | 215.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 204.8 |
| 115° | 204.8 |
| 117.5° | 204.8 |
| 120° | 194.0 |
| 122.5° | 194.0 |
| 125° | 183.2 |
| 127.5° | 183.2 |
| 130° | 172.4 |
| 132.5° | 172.4 |
| 135° | 161.7 |
| 137.5° | 161.7 |
| 140° | 150.9 |
| 142.5° | 140.1 |
| 145° | 140.1 |
| 147.5° | 129.3 |
| 150° | 118.5 |
| 152.5° | 107.8 |
| 155° | 97.0 |
| 157.5° | 97.0 |
| 160° | 86.2 |
| 162.5° | 75.4 |
| 165° | 64.7 |
| 167.5° | 53.9 |
| 170° | 43.1 |
| 172.5° | 32.3 |
| 175° | 10.8 |
| 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 | 9.6 | 10.7 | 10.5 | 11.6 | 12.8 | 9.6 | 10.7 | 10.5 | 11.6 | 12.8 |
| | 3H | 12.7 | 13.7 | 13.6 | 14.6 | 15.8 | 12.7 | 13.7 | 13.6 | 14.6 | 15.8 |
| | 4H | 14.2 | 15.1 | 15.1 | 16.0 | 17.3 | 14.2 | 15.1 | 15.1 | 16.0 | 17.3 |
| | 6H | 15.6 | 16.5 | 16.6 | 17.4 | 18.7 | 15.6 | 16.5 | 16.6 | 17.4 | 18.7 |
| | 8H | 16.3 | 17.1 | 17.2 | 18.1 | 19.3 | 16.3 | 17.1 | 17.2 | 18.1 | 19.3 |
| | 12H | 17.0 | 17.8 | 17.9 | 18.7 | 20.0 | 17.0 | 17.8 | 17.9 | 18.7 | 20.0 |
| 4H | 2H | 10.4 | 11.3 | 11.3 | 12.3 | 13.5 | 10.4 | 11.3 | 11.3 | 12.3 | 13.5 |
| | 3H | 13.7 | 14.5 | 14.6 | 15.5 | 16.7 | 13.7 | 14.5 | 14.6 | 15.5 | 16.7 |
| | 4H | 15.3 | 16.1 | 16.3 | 17.0 | 18.3 | 15.3 | 16.1 | 16.3 | 17.0 | 18.3 |
| | 6H | 16.9 | 17.6 | 17.9 | 18.6 | 19.8 | 16.9 | 17.6 | 17.9 | 18.6 | 19.8 |
| | 8H | 17.7 | 18.3 | 18.6 | 19.3 | 20.5 | 17.7 | 18.3 | 18.6 | 19.3 | 20.5 |
| | 12H | 18.5 | 19.0 | 19.4 | 20.0 | 21.3 | 18.5 | 19.0 | 19.4 | 20.0 | 21.3 |
| 8H | 4H | 15.8 | 16.5 | 16.8 | 17.4 | 18.7 | 15.8 | 16.5 | 16.8 | 17.4 | 18.7 |
| | 6H | 17.6 | 18.2 | 18.6 | 19.2 | 20.4 | 17.6 | 18.2 | 18.6 | 19.2 | 20.4 |
| | 8H | 18.6 | 19.0 | 19.5 | 20.0 | 21.3 | 18.6 | 19.0 | 19.5 | 20.0 | 21.3 |
| | 12H | 19.5 | 19.9 | 20.5 | 20.9 | 22.2 | 19.5 | 19.9 | 20.5 | 20.9 | 22.2 |
| 12H | 4H | 16.0 | 16.5 | 16.9 | 17.5 | 18.8 | 16.0 | 16.5 | 16.9 | 17.5 | 18.8 |
| | 6H | 17.8 | 18.3 | 18.8 | 19.3 | 20.6 | 17.8 | 18.3 | 18.8 | 19.3 | 20.6 |
| | 8H | 18.8 | 19.3 | 19.8 | 20.3 | 21.6 | 18.8 | 19.3 | 19.8 | 20.3 | 21.6 |

(END OF REPORT)