

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: P1244869

Luminaire Tested: PRLX-MIN-L-940-16L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244869
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-940-16L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

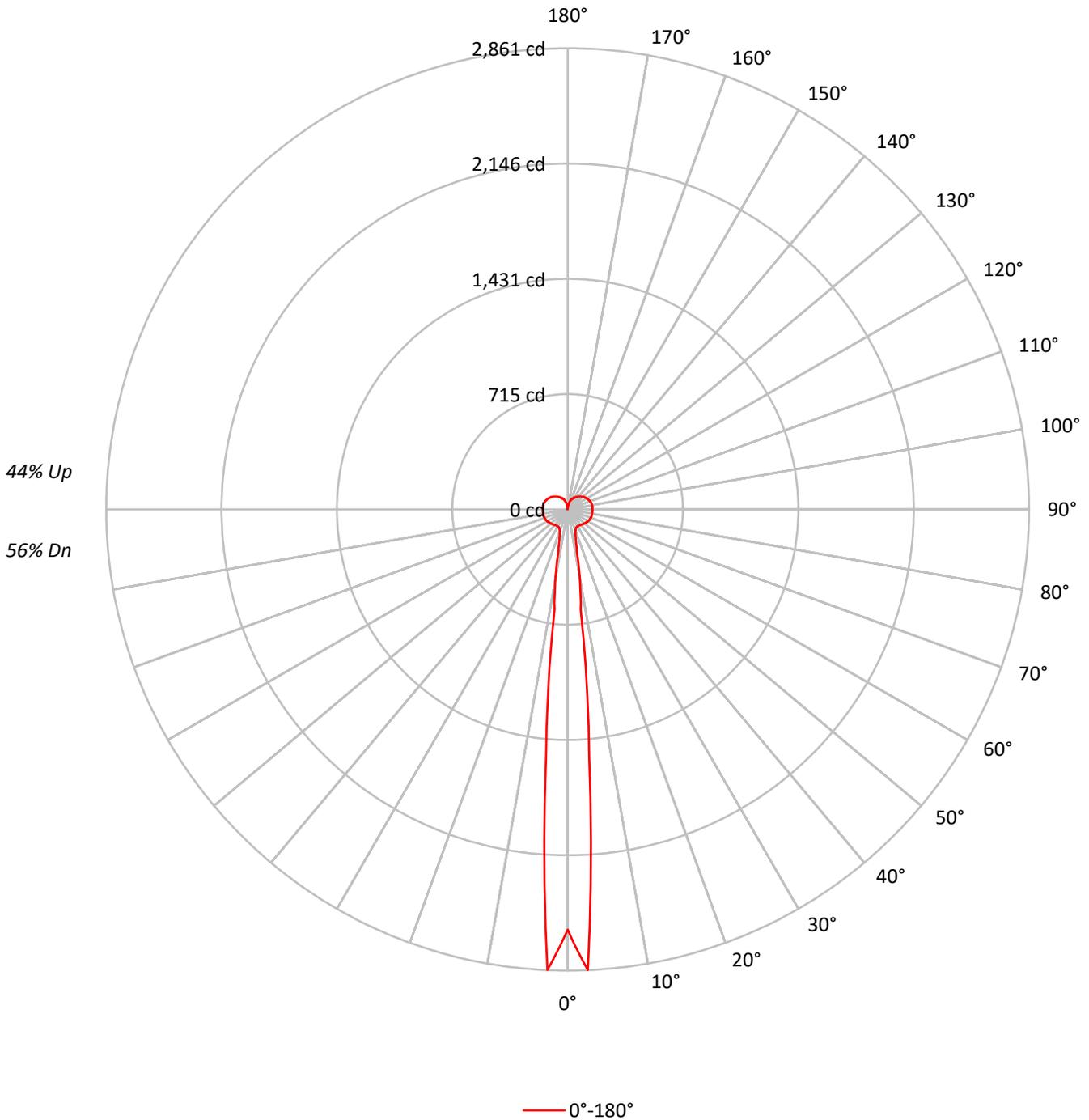
Lumens per Lamp: N/A
Luminaire Lumens: 1799.1 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
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 | 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 | 36 | 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° | 82498 |
| 5° | 37830 |
| 10° | 8819 |
| 15° | 3367 |
| 20° | 2174 |
| 25° | 1731 |
| 30° | 1537 |
| 35° | 1437 |
| 40° | 1390 |
| 45° | 1367 |
| 50° | 1357 |
| 55° | 1365 |
| 60° | 1375 |
| 65° | 1394 |
| 70° | 1408 |
| 75° | 1424 |
| 80° | 1425 |
| 85° | 1454 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1487 cd/sqm

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.0 | 6.1 |
| 10°-20° | 60.6 | 3.4 |
| 20°-30° | 59.0 | 3.3 |
| 30°-40° | 77.4 | 4.3 |
| 40°-50° | 101.6 | 5.6 |
| 50°-60° | 126.4 | 7.0 |
| 60°-70° | 148.6 | 8.3 |
| 70°-80° | 162.6 | 9.0 |
| 80°-90° | 168.2 | 9.3 |
| 90°-100° | 168.4 | 9.4 |
| 100°-110° | 160.0 | 8.9 |
| 110°-120° | 141.6 | 7.9 |
| 120°-130° | 116.6 | 6.5 |
| 130°-140° | 88.0 | 4.9 |
| 140°-150° | 59.5 | 3.3 |
| 150°-160° | 34.8 | 1.9 |
| 160°-170° | 14.3 | 0.8 |
| 170°-180° | 1.4 | 0.1 |
| 0°-30° | 229.6 | 12.8 |
| 0°-40° | 307.0 | 17.1 |
| 0°-60° | 534.9 | 29.7 |
| 0°-90° | 1014.3 | 56.4 |
| 90°-120° | 470.1 | 26.1 |
| 90°-150° | 734.2 | 40.8 |
| 90°-180° | 785.0 | 43.6 |
| 0°-180° | 1799.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 2608 | |
| 5° | 1534 | 110 |
| 15° | 193 | 61 |
| 25° | 126 | 59 |
| 35° | 123 | 77 |
| 45° | 131 | 102 |
| 55° | 141 | 126 |
| 65° | 150 | 149 |
| 75° | 154 | 163 |
| 85° | 154 | 126 |
| 90° | 154 | 85 |
| 95° | 154 | 126 |
| 105° | 152 | 160 |
| 115° | 143 | 142 |
| 125° | 130 | 117 |
| 135° | 114 | 88 |
| 145° | 94 | 59 |
| 155° | 75 | 35 |
| 165° | 51 | 14 |
| 175° | 7 | 1 |
| 180° | 1 | |

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 2607.7 |
| 2.5° | 2860.6 |
| 5° | 1533.7 |
| 7.5° | 624.1 |
| 10° | 433.6 |
| 12.5° | 265.6 |
| 15° | 193.3 |
| 17.5° | 160.8 |
| 20° | 141.8 |
| 22.5° | 131.9 |
| 25° | 125.6 |
| 27.5° | 122.8 |
| 30° | 121.9 |
| 32.5° | 121.9 |
| 35° | 122.8 |
| 37.5° | 123.7 |
| 40° | 126.5 |
| 42.5° | 128.3 |
| 45° | 131.0 |
| 47.5° | 133.7 |
| 50° | 135.5 |
| 52.5° | 138.2 |
| 55° | 140.9 |
| 57.5° | 143.6 |
| 60° | 145.4 |
| 62.5° | 148.1 |
| 65° | 149.9 |
| 67.5° | 151.7 |
| 70° | 152.6 |
| 72.5° | 153.6 |
| 75° | 154.5 |
| 77.5° | 153.6 |
| 80° | 153.6 |
| 82.5° | 153.6 |
| 85° | 154.5 |
| 87.5° | 154.5 |
| 90° | 154.5 |
| 92.5° | 154.5 |
| 95° | 154.5 |
| 97.5° | 154.5 |
| 100° | 153.6 |
| 102.5° | 152.6 |
| 105° | 151.7 |
| 107.5° | 149.9 |
| 110° | 148.1 |

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CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 145.4 |
| 115° | 142.7 |
| 117.5° | 140.0 |
| 120° | 136.4 |
| 122.5° | 133.7 |
| 125° | 130.1 |
| 127.5° | 126.5 |
| 130° | 121.9 |
| 132.5° | 118.3 |
| 135° | 113.8 |
| 137.5° | 108.4 |
| 140° | 103.9 |
| 142.5° | 99.4 |
| 145° | 93.9 |
| 147.5° | 89.4 |
| 150° | 84.9 |
| 152.5° | 79.5 |
| 155° | 75.0 |
| 157.5° | 69.5 |
| 160° | 64.1 |
| 162.5° | 57.8 |
| 165° | 50.6 |
| 167.5° | 40.6 |
| 170° | 28.0 |
| 172.5° | 17.2 |
| 175° | 7.2 |
| 177.5° | 1.8 |
| 180° | 0.9 |



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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 | 8.7 | 9.7 | 9.6 | 10.7 | 11.8 | 8.7 | 9.7 | 9.6 | 10.7 | 11.8 |
| | 3H | 11.7 | 12.7 | 12.6 | 13.6 | 14.8 | 11.7 | 12.7 | 12.6 | 13.6 | 14.8 |
| | 4H | 13.1 | 14.1 | 14.0 | 15.0 | 16.2 | 13.1 | 14.1 | 14.0 | 15.0 | 16.2 |
| | 6H | 14.5 | 15.4 | 15.5 | 16.3 | 17.5 | 14.5 | 15.4 | 15.5 | 16.3 | 17.5 |
| | 8H | 15.2 | 16.0 | 16.1 | 17.0 | 18.2 | 15.2 | 16.0 | 16.1 | 17.0 | 18.2 |
| | 12H | 15.9 | 16.6 | 16.8 | 17.6 | 18.8 | 15.9 | 16.6 | 16.8 | 17.6 | 18.8 |
| 4H | 2H | 9.5 | 10.4 | 10.4 | 11.3 | 12.5 | 9.5 | 10.4 | 10.4 | 11.3 | 12.5 |
| | 3H | 12.7 | 13.5 | 13.6 | 14.4 | 15.6 | 12.7 | 13.5 | 13.6 | 14.4 | 15.6 |
| | 4H | 14.2 | 15.0 | 15.2 | 15.9 | 17.2 | 14.2 | 15.0 | 15.2 | 15.9 | 17.2 |
| | 6H | 15.8 | 16.5 | 16.7 | 17.4 | 18.7 | 15.8 | 16.5 | 16.7 | 17.4 | 18.7 |
| | 8H | 16.6 | 17.2 | 17.5 | 18.2 | 19.4 | 16.6 | 17.2 | 17.5 | 18.2 | 19.4 |
| | 12H | 17.3 | 17.9 | 18.3 | 18.9 | 20.1 | 17.3 | 17.9 | 18.3 | 18.9 | 20.1 |
| 8H | 4H | 14.8 | 15.4 | 15.7 | 16.3 | 17.6 | 14.8 | 15.4 | 15.7 | 16.3 | 17.6 |
| | 6H | 16.5 | 17.0 | 17.5 | 18.1 | 19.3 | 16.5 | 17.0 | 17.5 | 18.1 | 19.3 |
| | 8H | 17.4 | 17.9 | 18.4 | 18.9 | 20.2 | 17.4 | 17.9 | 18.4 | 18.9 | 20.2 |
| | 12H | 18.4 | 18.8 | 19.3 | 19.8 | 21.1 | 18.4 | 18.8 | 19.3 | 19.8 | 21.1 |
| 12H | 4H | 14.9 | 15.4 | 15.8 | 16.4 | 17.7 | 14.9 | 15.4 | 15.8 | 16.4 | 17.7 |
| | 6H | 16.7 | 17.2 | 17.7 | 18.2 | 19.5 | 16.7 | 17.2 | 17.7 | 18.2 | 19.5 |
| | 8H | 17.7 | 18.1 | 18.7 | 19.1 | 20.4 | 17.7 | 18.1 | 18.7 | 19.1 | 20.4 |

(END OF REPORT)