

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: P1245377

Luminaire Tested: PRLX-UNA-L-940-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245377
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-940-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

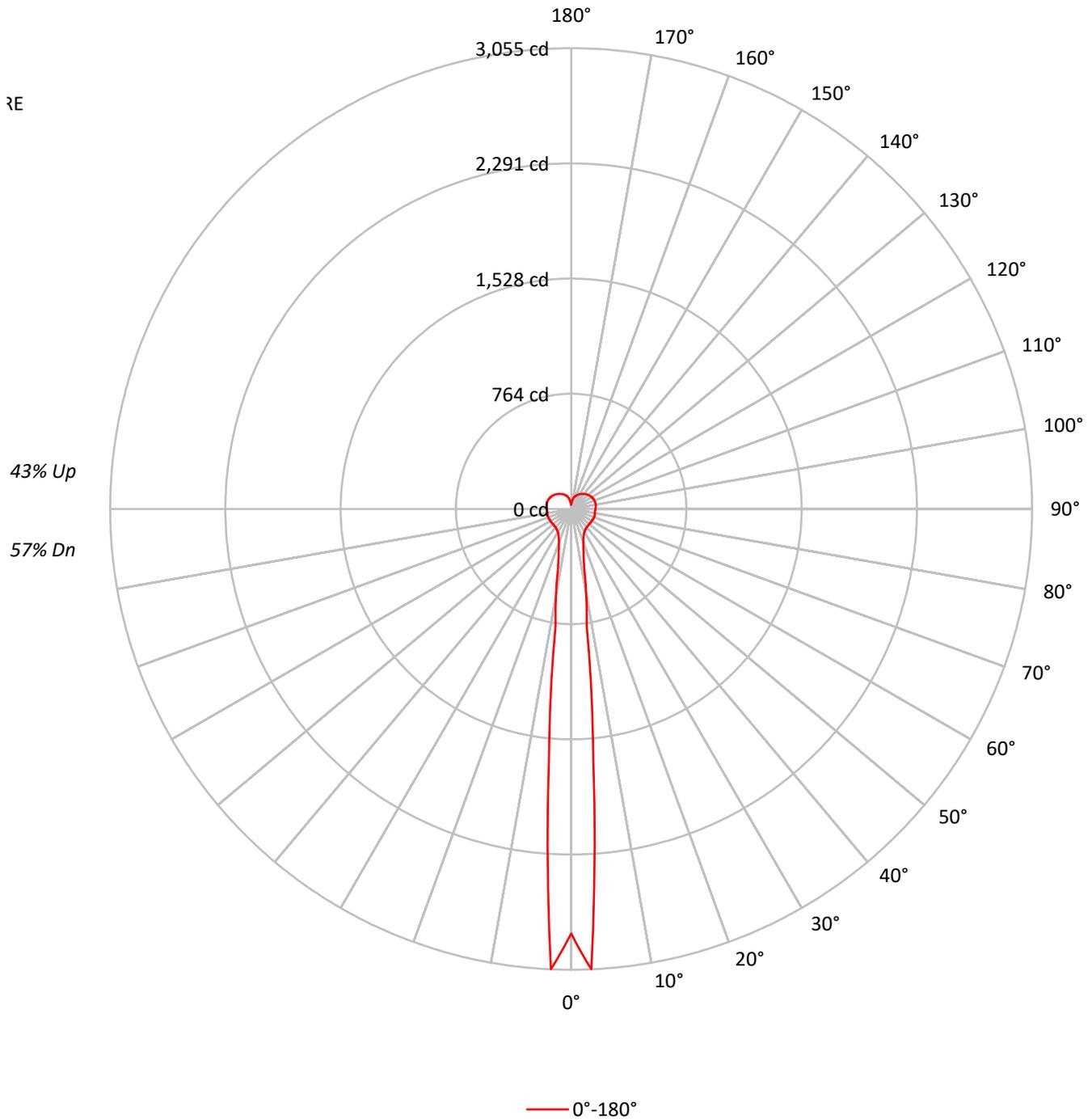
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2093.0 lumens
Efficiency: N/A
Efficacy: 36.0 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): 58.2
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

TEST NUMBER: P1245377
CATALOG NUMBER: PRLX-UNA-L-940-23L-U-NL

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° | 89056 |
| 5° | 41740 |
| 10° | 11734 |
| 15° | 5513 |
| 20° | 3632 |
| 25° | 2698 |
| 30° | 2220 |
| 35° | 1940 |
| 40° | 1750 |
| 45° | 1642 |
| 50° | 1566 |
| 55° | 1524 |
| 60° | 1497 |
| 65° | 1489 |
| 70° | 1486 |
| 75° | 1493 |
| 80° | 1477 |
| 85° | 1499 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1642 cd/sqm



TEST NUMBER: P1245377

CATALOG NUMBER: PRLX-UNA-L-940-23L-U-NL

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.5 | 6.0 |
| 10°-20° | 94.1 | 4.5 |
| 20°-30° | 91.7 | 4.4 |
| 30°-40° | 104.4 | 5.0 |
| 40°-50° | 121.9 | 5.8 |
| 50°-60° | 141.4 | 6.8 |
| 60°-70° | 158.9 | 7.6 |
| 70°-80° | 170.6 | 8.2 |
| 80°-90° | 174.2 | 8.3 |
| 90°-100° | 178.7 | 8.5 |
| 100°-110° | 174.9 | 8.4 |
| 110°-120° | 159.8 | 7.6 |
| 120°-130° | 136.2 | 6.5 |
| 130°-140° | 107.4 | 5.1 |
| 140°-150° | 76.8 | 3.7 |
| 150°-160° | 48.3 | 2.3 |
| 160°-170° | 23.5 | 1.1 |
| 170°-180° | 4.8 | 0.2 |
| 0°-30° | 311.2 | 14.9 |
| 0°-40° | 415.6 | 19.9 |
| 0°-60° | 678.9 | 32.4 |
| 0°-90° | 1182.6 | 56.5 |
| 90°-120° | 513.4 | 24.5 |
| 90°-150° | 833.8 | 39.8 |
| 90°-180° | 910.0 | 43.5 |
| 0°-180° | 2093.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 2815 | |
| 5° | 1692 | 125 |
| 15° | 316 | 94 |
| 25° | 196 | 92 |
| 35° | 166 | 104 |
| 45° | 157 | 122 |
| 55° | 157 | 141 |
| 65° | 160 | 159 |
| 75° | 162 | 171 |
| 85° | 159 | 130 |
| 90° | 161 | 88 |
| 95° | 164 | 134 |
| 105° | 166 | 175 |
| 115° | 161 | 160 |
| 125° | 152 | 136 |
| 135° | 139 | 107 |
| 145° | 122 | 77 |
| 155° | 104 | 48 |
| 165° | 82 | 24 |
| 175° | 43 | 5 |
| 180° | 28 | |

TEST NUMBER: P1245377

CATALOG NUMBER: PRLX-UNA-L-940-23L-U-NL

CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 2815.0 |
| 2.5° | 3054.7 |
| 5° | 1692.2 |
| 7.5° | 784.7 |
| 10° | 576.9 |
| 12.5° | 397.1 |
| 15° | 316.5 |
| 17.5° | 269.7 |
| 20° | 236.9 |
| 22.5° | 212.6 |
| 25° | 195.7 |
| 27.5° | 184.5 |
| 30° | 176.1 |
| 32.5° | 170.4 |
| 35° | 165.8 |
| 37.5° | 162.0 |
| 40° | 159.2 |
| 42.5° | 158.3 |
| 45° | 157.3 |
| 47.5° | 156.4 |
| 50° | 156.4 |
| 52.5° | 157.3 |
| 55° | 157.3 |
| 57.5° | 158.3 |
| 60° | 158.3 |
| 62.5° | 159.2 |
| 65° | 160.1 |
| 67.5° | 161.1 |
| 70° | 161.1 |
| 72.5° | 162.0 |
| 75° | 162.0 |
| 77.5° | 161.1 |
| 80° | 159.2 |
| 82.5° | 159.2 |
| 85° | 159.2 |
| 87.5° | 160.1 |
| 90° | 161.1 |
| 92.5° | 162.9 |
| 95° | 163.9 |
| 97.5° | 164.8 |
| 100° | 165.8 |
| 102.5° | 165.8 |
| 105° | 165.8 |
| 107.5° | 164.8 |
| 110° | 163.9 |

TEST NUMBER: P1245377

CATALOG NUMBER: PRLX-UNA-L-940-23L-U-NL

CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 112.5° | 162.9 |
| 115° | 161.1 |
| 117.5° | 159.2 |
| 120° | 157.3 |
| 122.5° | 154.5 |
| 125° | 151.7 |
| 127.5° | 148.9 |
| 130° | 146.1 |
| 132.5° | 142.3 |
| 135° | 138.6 |
| 137.5° | 134.8 |
| 140° | 130.2 |
| 142.5° | 126.4 |
| 145° | 121.7 |
| 147.5° | 118.0 |
| 150° | 113.3 |
| 152.5° | 108.6 |
| 155° | 103.9 |
| 157.5° | 99.3 |
| 160° | 93.6 |
| 162.5° | 89.0 |
| 165° | 82.4 |
| 167.5° | 74.9 |
| 170° | 65.6 |
| 172.5° | 55.3 |
| 175° | 43.1 |
| 177.5° | 31.8 |
| 180° | 28.1 |



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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 | 8.9 | 9.9 | 9.8 | 10.8 | 12.0 | 8.9 | 9.9 | 9.8 | 10.8 | 12.0 |
| | 3H | 11.7 | 12.7 | 12.6 | 13.6 | 14.8 | 11.7 | 12.7 | 12.6 | 13.6 | 14.8 |
| | 4H | 13.1 | 14.0 | 14.0 | 14.9 | 16.1 | 13.1 | 14.0 | 14.0 | 14.9 | 16.1 |
| | 6H | 14.4 | 15.3 | 15.4 | 16.2 | 17.4 | 14.4 | 15.3 | 15.4 | 16.2 | 17.4 |
| | 8H | 15.1 | 15.9 | 16.0 | 16.8 | 18.0 | 15.1 | 15.9 | 16.0 | 16.8 | 18.0 |
| | 12H | 15.7 | 16.5 | 16.6 | 17.4 | 18.7 | 15.7 | 16.5 | 16.6 | 17.4 | 18.7 |
| 4H | 2H | 9.6 | 10.5 | 10.5 | 11.4 | 12.6 | 9.6 | 10.5 | 10.5 | 11.4 | 12.6 |
| | 3H | 12.6 | 13.4 | 13.6 | 14.4 | 15.6 | 12.6 | 13.4 | 13.6 | 14.4 | 15.6 |
| | 4H | 14.2 | 14.9 | 15.1 | 15.8 | 17.1 | 14.2 | 14.9 | 15.1 | 15.8 | 17.1 |
| | 6H | 15.7 | 16.3 | 16.6 | 17.3 | 18.5 | 15.7 | 16.3 | 16.6 | 17.3 | 18.5 |
| | 8H | 16.4 | 17.0 | 17.4 | 18.0 | 19.2 | 16.4 | 17.0 | 17.4 | 18.0 | 19.2 |
| | 12H | 17.1 | 17.7 | 18.1 | 18.7 | 19.9 | 17.1 | 17.7 | 18.1 | 18.7 | 19.9 |
| 8H | 4H | 14.7 | 15.3 | 15.6 | 16.2 | 17.5 | 14.7 | 15.3 | 15.6 | 16.2 | 17.5 |
| | 6H | 16.4 | 16.9 | 17.3 | 17.9 | 19.1 | 16.4 | 16.9 | 17.3 | 17.9 | 19.1 |
| | 8H | 17.3 | 17.7 | 18.2 | 18.7 | 20.0 | 17.3 | 17.7 | 18.2 | 18.7 | 20.0 |
| | 12H | 18.2 | 18.6 | 19.1 | 19.6 | 20.9 | 18.2 | 18.6 | 19.1 | 19.6 | 20.9 |
| 12H | 4H | 14.8 | 15.3 | 15.7 | 16.3 | 17.6 | 14.8 | 15.3 | 15.7 | 16.3 | 17.6 |
| | 6H | 16.5 | 17.0 | 17.5 | 18.0 | 19.3 | 16.5 | 17.0 | 17.5 | 18.0 | 19.3 |
| | 8H | 17.5 | 17.9 | 18.5 | 18.9 | 20.2 | 17.5 | 17.9 | 18.5 | 18.9 | 20.2 |

(END OF REPORT)