

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504962

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K\_L24\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504962  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K\_L24\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

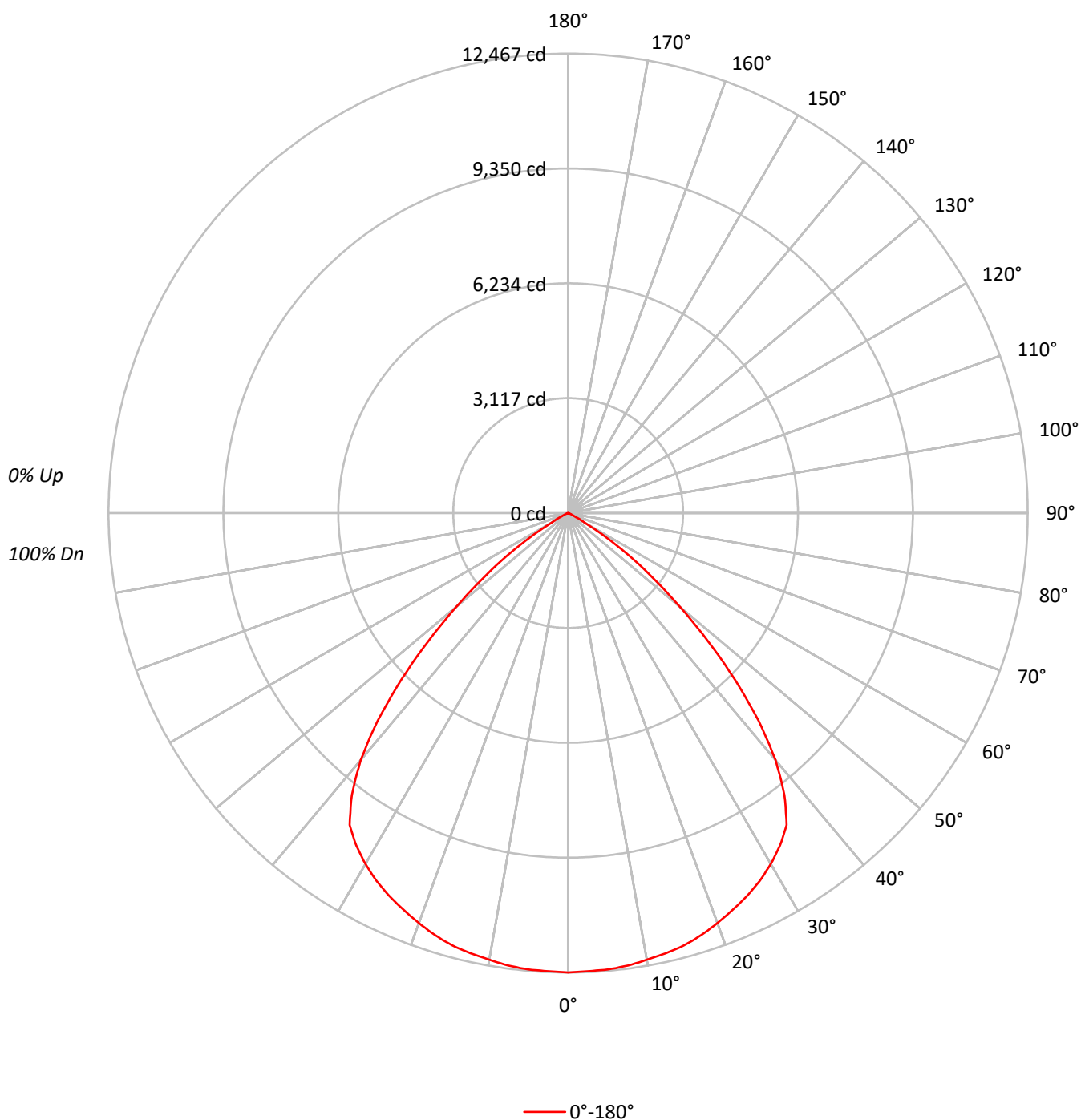
Lumens per Lamp: N/A  
Luminaire Lumens: 23206.1 lumens  
Efficiency: N/A  
Efficacy: 148.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29  
Luminous Opening: Circular (Dia: 1.37' x H: 0')  
CIE Type: Direct

Input Watts (W): 156.4  
Input Voltage (V): 120  
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: 24 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  |     |  |  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |  |  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 81  |  |  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 73  |  |  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 74  | 70  | 67  | 65  |  |  |
| 5   | 85  | 75  | 68  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |  |  |
| 6   | 79  | 68  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 53  |  |  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 49  | 48  |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |  |  |
| 9   | 65  | 54  | 46  | 42  | 64  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |  |  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 47  | 41  | 38  | 36  |  |  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    |
|-----|-------|
| 0°  | 91480 |
| 5°  | 91567 |
| 10° | 91687 |
| 15° | 92253 |
| 20° | 92448 |
| 25° | 92858 |
| 30° | 93160 |
| 35° | 92554 |
| 40° | 83830 |
| 45° | 66403 |
| 50° | 45049 |
| 55° | 26153 |
| 60° | 7749  |
| 65° | 2504  |
| 70° | 858   |
| 75° | 516   |
| 80° | 625   |
| 85° | 808   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 66403 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1182.6  | 5.1       |
| 10°-20°   | 3427.5  | 14.8      |
| 20°-30°   | 5287.7  | 22.8      |
| 30°-40°   | 6339.2  | 27.3      |
| 40°-50°   | 4892.2  | 21.1      |
| 50°-60°   | 1861.0  | 8.0       |
| 60°-70°   | 183.5   | 0.8       |
| 70°-80°   | 22.8    | 0.1       |
| 80°-90°   | 9.6     | 0.0       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 9897.8  | 42.7      |
| 0°-40°    | 16237.1 | 70.0      |
| 0°-60°    | 22990.3 | 99.1      |
| 0°-90°    | 23206.1 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 23206.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 12467 |      |
| 5°  | 12432 | ###  |
| 15° | 12144 | 3427 |
| 25° | 11469 | 5288 |
| 35° | 10332 | 6339 |
| 45° | 6399  | 4892 |
| 55° | 2044  | 1861 |
| 65° | 144   | 184  |
| 75° | 18    | 23   |
| 85° | 10    | 10   |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 12467.3 |
| 2.5°  | 12442.1 |
| 5°    | 12431.6 |
| 7.5°  | 12385.6 |
| 10°   | 12305.7 |
| 12.5° | 12234.5 |
| 15°   | 12144.2 |
| 17.5° | 12007.8 |
| 20°   | 11839.3 |
| 22.5° | 11652.6 |
| 25°   | 11469.4 |
| 27.5° | 11253.1 |
| 30°   | 10995.2 |
| 32.5° | 10693.8 |
| 35°   | 10332.5 |
| 37.5° | 9635.1  |
| 40°   | 8751.8  |
| 42.5° | 7646.2  |
| 45°   | 6399.1  |
| 47.5° | 5140.6  |
| 50°   | 3946.4  |
| 52.5° | 2926.0  |
| 55°   | 2044.4  |
| 57.5° | 1220.2  |
| 60°   | 528.0   |
| 62.5° | 243.2   |
| 65°   | 144.2   |
| 67.5° | 79.0    |
| 70°   | 40.0    |
| 72.5° | 24.3    |
| 75°   | 18.2    |
| 77.5° | 16.5    |
| 80°   | 14.8    |
| 82.5° | 13.0    |
| 85°   | 9.6     |
| 87.5° | 5.2     |
| 90°   | 0.0     |

(END OF REPORT)