

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: P1505318

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K\_L36\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505318  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)  
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-B-04-BLAK-PS (4000K\_L36\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

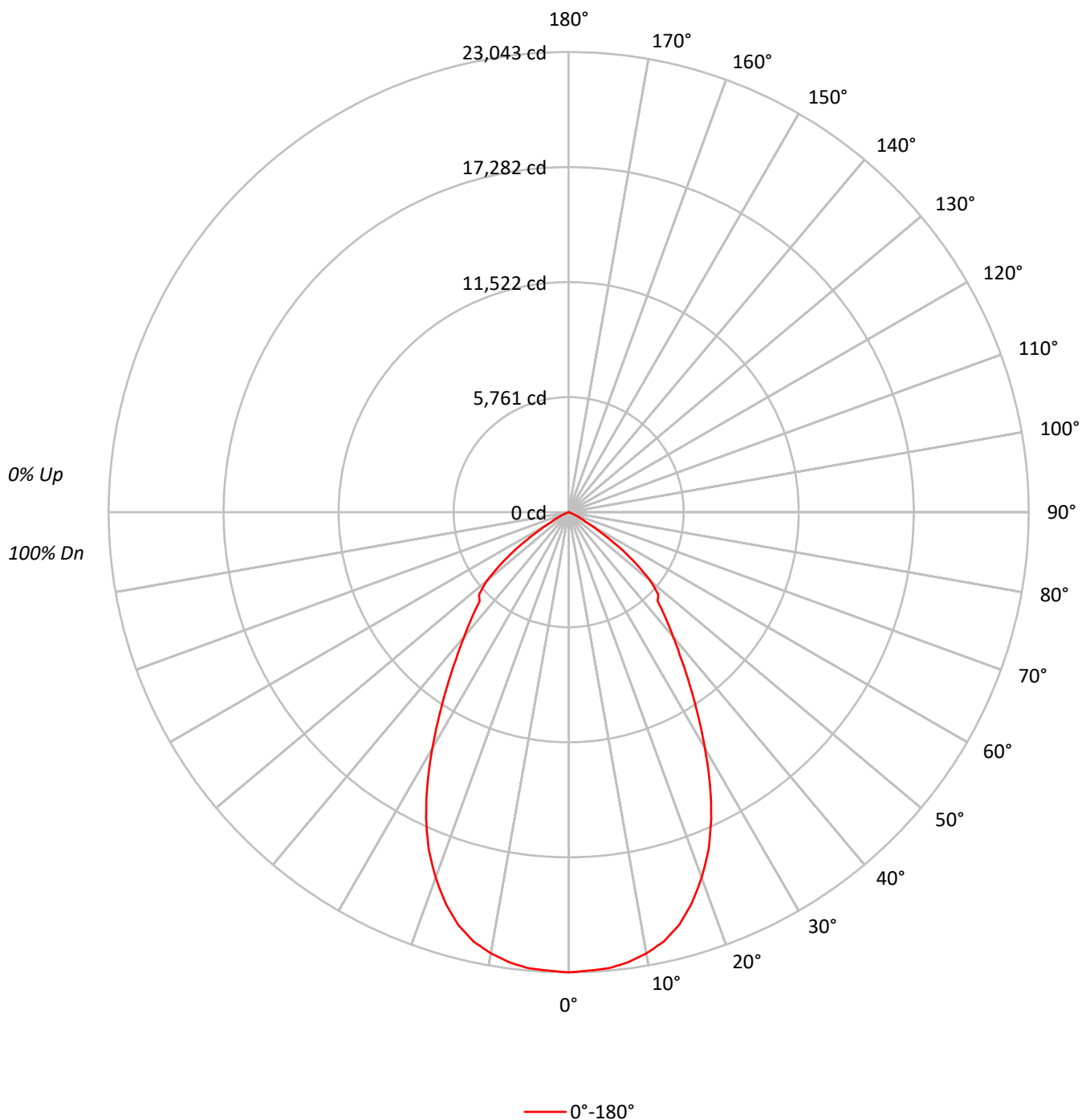
Lumens per Lamp: N/A  
Luminaire Lumens: 30899.7 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99  
Luminous Opening: Circular (Dia: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 231.9  
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  | 50  | 30 | 10 | 50 | 30 | 10 |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    |    |  |  |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |    |    |    |  |  |
| 2   | 105 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 82  |    |    |    |    |    |  |  |
| 3   | 99  | 91  | 85  | 80  | 97  | 90  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |    |    |    |    |    |  |  |
| 4   | 92  | 83  | 77  | 72  | 90  | 82  | 76  | 71  | 80  | 75  | 70  | 78  | 73  | 70  | 76  | 72  | 69  | 67  |    |    |    |    |    |  |  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 64  | 74  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |    |    |    |  |  |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 61  | 57  | 55  |    |    |    |    |    |  |  |
| 7   | 76  | 65  | 58  | 53  | 75  | 65  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 52  | 51  |    |    |    |    |    |  |  |
| 8   | 72  | 61  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  | 58  | 52  | 48  | 57  | 52  | 48  | 47  |    |    |    |    |    |  |  |
| 9   | 68  | 57  | 50  | 45  | 67  | 56  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 44  | 43  |    |    |    |    |    |  |  |
| 10  | 64  | 53  | 46  | 42  | 63  | 52  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 50  | 45  | 41  | 40  |    |    |    |    |    |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 165030 |
| 5°  | 164842 |
| 10° | 163111 |
| 15° | 158606 |
| 20° | 148471 |
| 25° | 133568 |
| 30° | 112834 |
| 35° | 92432  |
| 40° | 76098  |
| 45° | 63823  |
| 50° | 59416  |
| 55° | 40036  |
| 60° | 15593  |
| 65° | 7777   |
| 70° | 2029   |
| 75° | 603    |
| 80° | 701    |
| 85° | 797    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $47.5^\circ$

Luminance: 64541 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 2172.3  | 7.0       |
| 10°-20°   | 5972.5  | 19.3      |
| 20°-30°   | 7681.9  | 24.9      |
| 30°-40°   | 6649.5  | 21.5      |
| 40°-50°   | 5066.7  | 16.4      |
| 50°-60°   | 2815.3  | 9.1       |
| 60°-70°   | 494.4   | 1.6       |
| 70°-80°   | 37.2    | 0.1       |
| 80°-90°   | 9.9     | 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°    | 15826.7 | 51.2      |
| 0°-40°    | 22476.1 | 72.7      |
| 0°-60°    | 30358.1 | 98.2      |
| 0°-90°    | 30899.7 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 30899.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 23043 |      |
| 5°  | 22929 | ###  |
| 15° | 21391 | 5973 |
| 25° | 16902 | 7682 |
| 35° | 10572 | 6649 |
| 45° | 6301  | 5067 |
| 55° | 3206  | 2815 |
| 65° | 459   | 494  |
| 75° | 22    | 37   |
| 85° | 10    | 10   |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 23042.8 |
| 2.5°  | 22976.2 |
| 5°    | 22929.0 |
| 7.5°  | 22735.3 |
| 10°   | 22428.9 |
| 12.5° | 22017.2 |
| 15°   | 21391.2 |
| 17.5° | 20519.4 |
| 20°   | 19480.5 |
| 22.5° | 18299.9 |
| 25°   | 16902.5 |
| 27.5° | 15310.2 |
| 30°   | 13644.1 |
| 32.5° | 12059.0 |
| 35°   | 10572.1 |
| 37.5° | 9249.8  |
| 40°   | 8139.5  |
| 42.5° | 7184.1  |
| 45°   | 6301.4  |
| 47.5° | 6088.2  |
| 50°   | 5332.7  |
| 52.5° | 4284.1  |
| 55°   | 3206.4  |
| 57.5° | 2017.3  |
| 60°   | 1088.6  |
| 62.5° | 736.2   |
| 65°   | 458.9   |
| 67.5° | 230.1   |
| 70°   | 96.9    |
| 72.5° | 42.4    |
| 75°   | 21.8    |
| 77.5° | 20.6    |
| 80°   | 17.0    |
| 82.5° | 13.3    |
| 85°   | 9.7     |
| 87.5° | 4.8     |
| 90°   | 0.0     |

(END OF REPORT)