

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: P1505487

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K\_L32\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505487  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)  
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-06-BLAK-PS (3500K\_L32\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

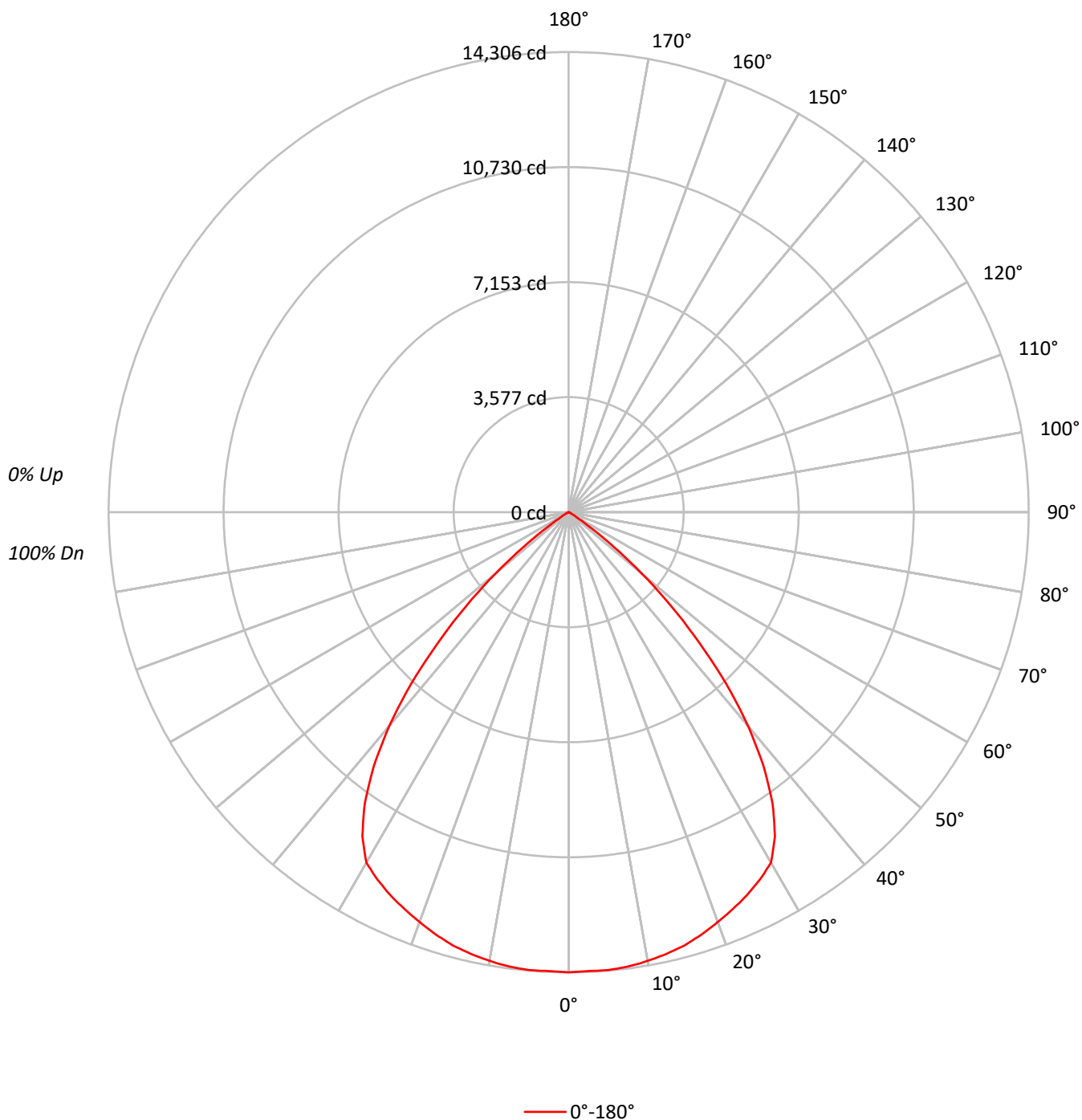
Lumens per Lamp: N/A  
Luminaire Lumens: 23649.0 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22  
Luminous Opening: Circular (Dia: 1.47' x H: 0')  
CIE Type: Direct

Input Watts (W): 196.2  
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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |  |  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |  |  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |  |  |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 81  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |  |  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 71  | 66  | 63  | 61  |  |  |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 59  | 68  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 56  |  |  |
| 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  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 46  |  |  |
| 9   | 67  | 56  | 49  | 45  | 66  | 56  | 49  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 43  |  |  |
| 10  | 64  | 52  | 46  | 41  | 62  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 49  | 44  | 41  | 39  |  |  |

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

|     | 0°    |
|-----|-------|
| 0°  | 91146 |
| 5°  | 91379 |
| 10° | 91639 |
| 15° | 91947 |
| 20° | 91924 |
| 25° | 92308 |
| 30° | 92555 |
| 35° | 85928 |
| 40° | 72166 |
| 45° | 51754 |
| 50° | 29537 |
| 55° | 8486  |
| 60° | 2179  |
| 65° | 935   |
| 70° | 764   |
| 75° | 812   |
| 80° | 844   |
| 85° | 804   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 51754 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1359.8  | 5.7       |
| 10°-20°   | 3933.3  | 16.6      |
| 20°-30°   | 6053.4  | 25.6      |
| 30°-40°   | 6793.8  | 28.7      |
| 40°-50°   | 4422.0  | 18.7      |
| 50°-60°   | 963.0   | 4.1       |
| 60°-70°   | 77.2    | 0.3       |
| 70°-80°   | 34.3    | 0.1       |
| 80°-90°   | 12.4    | 0.1       |
| 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°    | 11346.5 | 48.0      |
| 0°-40°    | 18140.2 | 76.7      |
| 0°-60°    | 23525.2 | 99.5      |
| 0°-90°    | 23649.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 23649.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 14306 |      |
| 5°  | 14288 | ###  |
| 15° | 13940 | 3933 |
| 25° | 13131 | 6053 |
| 35° | 11048 | 6794 |
| 45° | 5744  | 4422 |
| 55° | 764   | 963  |
| 65° | 62    | 77   |
| 75° | 33    | 34   |
| 85° | 11    | 12   |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 14306 |
| 2.5°  | 14279 |
| 5°    | 14288 |
| 7.5°  | 14247 |
| 10°   | 14165 |
| 12.5° | 14062 |
| 15°   | 13940 |
| 17.5° | 13762 |
| 20°   | 13558 |
| 22.5° | 13350 |
| 25°   | 13131 |
| 27.5° | 12875 |
| 30°   | 12581 |
| 32.5° | 11939 |
| 35°   | 11048 |
| 37.5° | 9949  |
| 40°   | 8677  |
| 42.5° | 7262  |
| 45°   | 5744  |
| 47.5° | 4320  |
| 50°   | 2980  |
| 52.5° | 1768  |
| 55°   | 764   |
| 57.5° | 296   |
| 60°   | 171   |
| 62.5° | 99    |
| 65°   | 62    |
| 67.5° | 47    |
| 70°   | 41    |
| 72.5° | 37    |
| 75°   | 33    |
| 77.5° | 28    |
| 80°   | 23    |
| 82.5° | 17    |
| 85°   | 11    |
| 87.5° | 6     |
| 90°   | 0     |

(END OF REPORT)