

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: P1505307

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K\_L32\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505307  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)  
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 (3500K\_L32\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

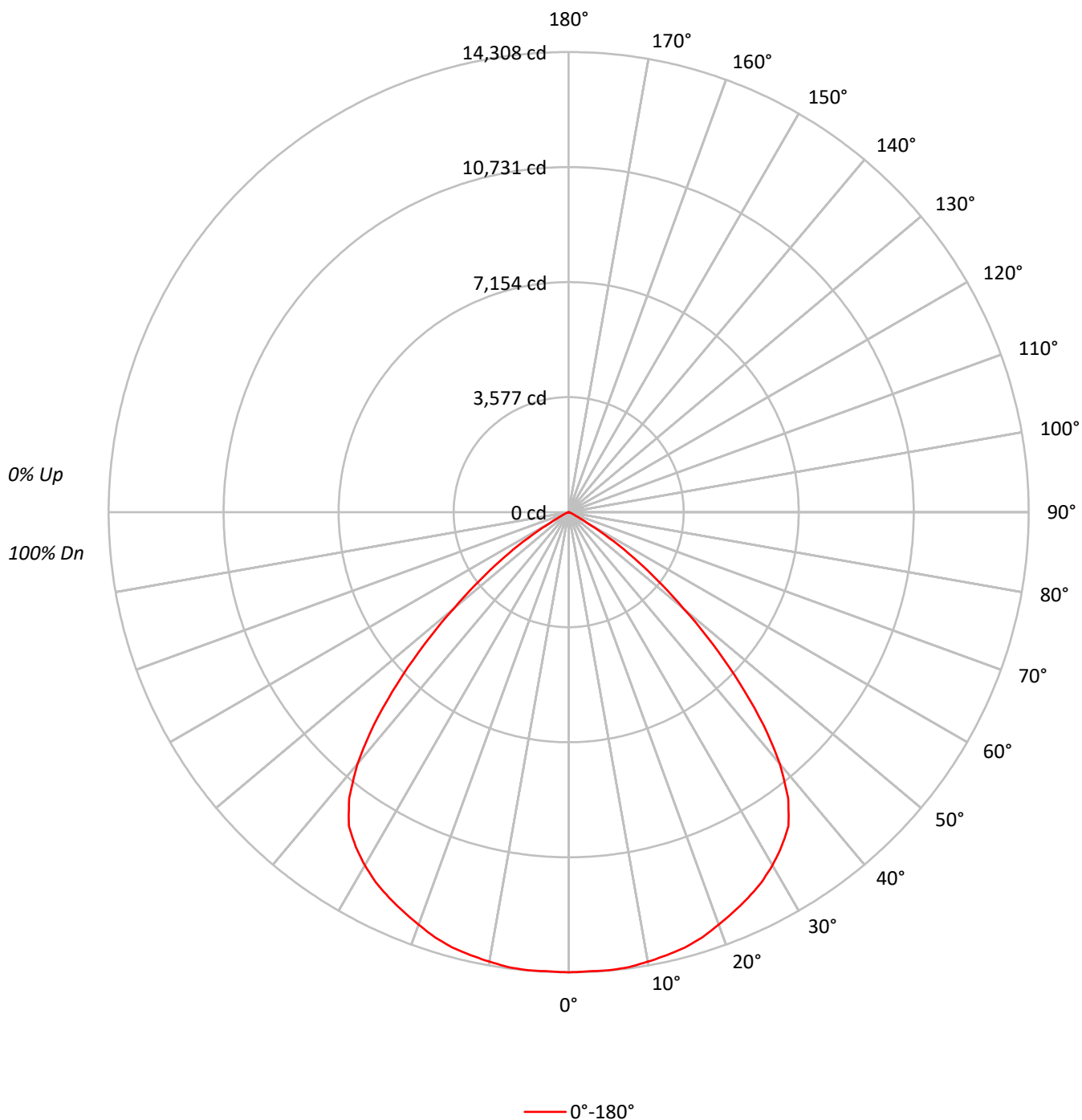
Lumens per Lamp: N/A  
Luminaire Lumens: 26987.2 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3  
Luminous Opening: Circular (Dia: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 196.1  
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 | 98  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |  |  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 85  | 83  | 81  |  |  |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 77  | 74  | 73  |  |  |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 68  | 74  | 70  | 67  | 65  |  |  |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |  |  |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 60  | 55  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 52  |  |  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  | 61  | 54  | 50  | 59  | 54  | 49  | 58  | 53  | 49  | 47  |  |  |
| 8   | 69  | 58  | 50  | 45  | 68  | 57  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 48  | 45  | 43  |  |  |
| 9   | 65  | 53  | 46  | 41  | 64  | 53  | 46  | 41  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |  |  |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 37  | 46  | 41  | 37  | 36  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 102472 |
| 5°  | 102799 |
| 10° | 103209 |
| 15° | 103855 |
| 20° | 103996 |
| 25° | 104484 |
| 30° | 104845 |
| 35° | 104217 |
| 40° | 95605  |
| 45° | 76287  |
| 50° | 52155  |
| 55° | 30579  |
| 60° | 9282   |
| 65° | 2932   |
| 70° | 1005   |
| 75° | 609    |
| 80° | 742    |
| 85° | 904    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 76287 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1361.5  | 5.0       |
| 10°-20°   | 3952.9  | 14.6      |
| 20°-30°   | 6096.9  | 22.6      |
| 30°-40°   | 7337.9  | 27.2      |
| 40°-50°   | 5755.5  | 21.3      |
| 50°-60°   | 2224.1  | 8.2       |
| 60°-70°   | 219.3   | 0.8       |
| 70°-80°   | 27.9    | 0.1       |
| 80°-90°   | 11.2    | 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°    | 11411.3 | 42.3      |
| 0°-40°    | 18749.2 | 69.5      |
| 0°-60°    | 26728.7 | 99.0      |
| 0°-90°    | 26987.2 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 26987.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 14308 |      |
| 5°  | 14299 | ###  |
| 15° | 14007 | 3953 |
| 25° | 13222 | 6097 |
| 35° | 11920 | 7338 |
| 45° | 7532  | 5755 |
| 55° | 2449  | 2224 |
| 65° | 173   | 219  |
| 75° | 22    | 28   |
| 85° | 11    | 11   |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 14308 |
| 2.5°  | 14288 |
| 5°    | 14299 |
| 7.5°  | 14269 |
| 10°   | 14192 |
| 12.5° | 14106 |
| 15°   | 14007 |
| 17.5° | 13855 |
| 20°   | 13645 |
| 22.5° | 13438 |
| 25°   | 13222 |
| 27.5° | 12978 |
| 30°   | 12678 |
| 32.5° | 12326 |
| 35°   | 11920 |
| 37.5° | 11209 |
| 40°   | 10226 |
| 42.5° | 8967  |
| 45°   | 7532  |
| 47.5° | 6082  |
| 50°   | 4681  |
| 52.5° | 3471  |
| 55°   | 2449  |
| 57.5° | 1485  |
| 60°   | 648   |
| 62.5° | 282   |
| 65°   | 173   |
| 67.5° | 94    |
| 70°   | 48    |
| 72.5° | 31    |
| 75°   | 22    |
| 77.5° | 20    |
| 80°   | 18    |
| 82.5° | 15    |
| 85°   | 11    |
| 87.5° | 6     |
| 90°   | 0     |

(END OF REPORT)