

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: P1505501

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K\_L24\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505501  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)  
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 (5000K\_L24\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

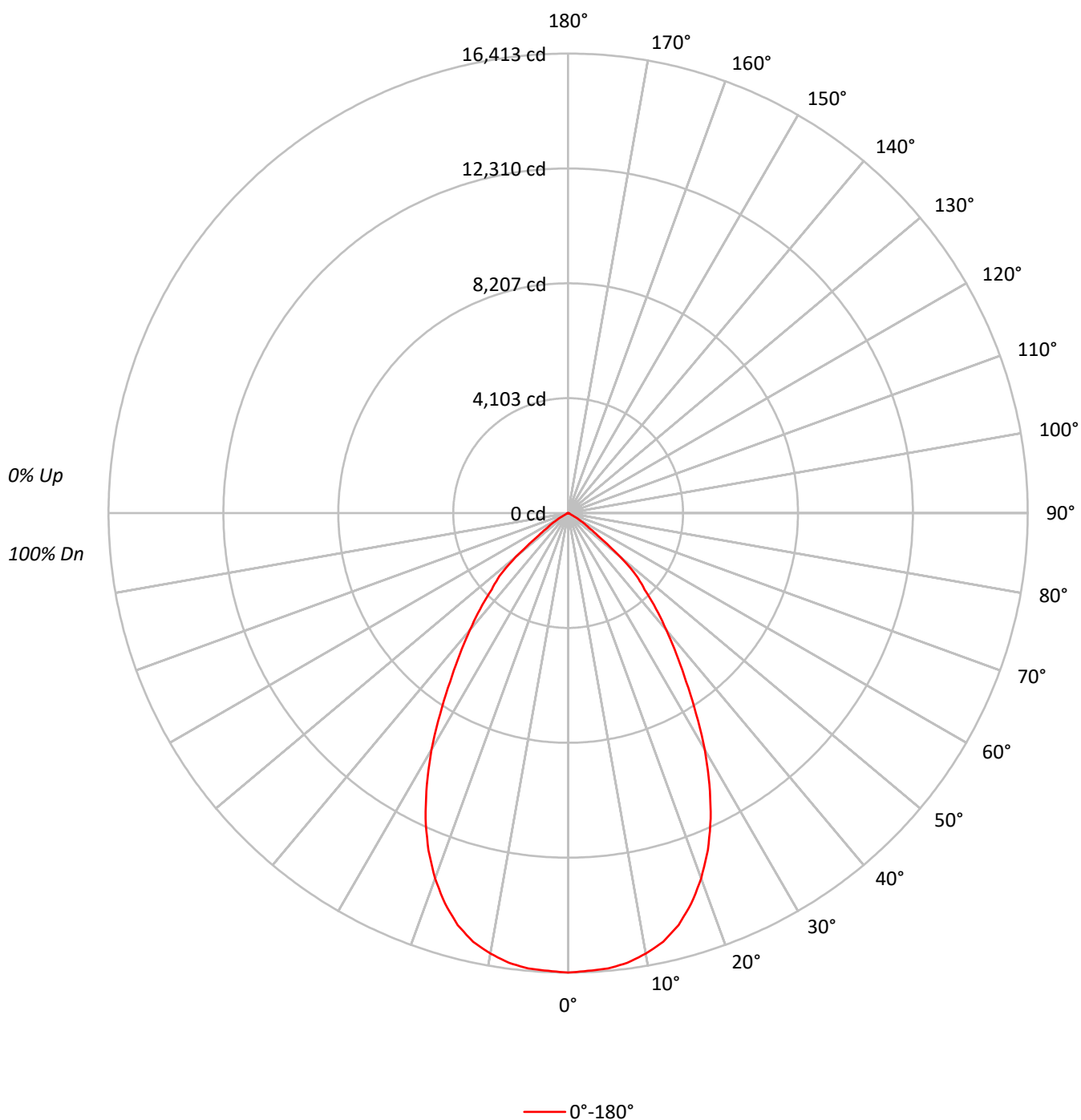
Lumens per Lamp: N/A  
Luminaire Lumens: 19990.4 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98  
Luminous Opening: Circular (Dia: 1.47' x H: 0')  
CIE Type: Direct

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  |     |  |  | 0 |
| 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 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |  |  |   |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |  |  |   |
| 3   | 100 | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 89  | 84  | 81  | 86  | 83  | 80  | 84  | 81  | 78  | 77  |  |  |   |
| 4   | 94  | 86  | 79  | 75  | 92  | 84  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  |  |  |   |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |  |  |   |
| 6   | 83  | 73  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 65  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 59  |  |  |   |
| 7   | 79  | 68  | 61  | 57  | 77  | 68  | 61  | 57  | 66  | 60  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |  |  |   |
| 8   | 74  | 64  | 57  | 52  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 51  | 50  |  |  |   |
| 9   | 70  | 59  | 53  | 48  | 69  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 46  |  |  |   |
| 10  | 66  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 49  | 45  | 54  | 48  | 45  | 53  | 48  | 45  | 43  |  |  |   |

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

|     | 0°     |
|-----|--------|
| 0°  | 104568 |
| 5°  | 104418 |
| 10° | 103344 |
| 15° | 100484 |
| 20° | 94126  |
| 25° | 84675  |
| 30° | 71764  |
| 35° | 57127  |
| 40° | 45312  |
| 45° | 34791  |
| 50° | 24069  |
| 55° | 9888   |
| 60° | 4238   |
| 65° | 969    |
| 70° | 501    |
| 75° | 512    |
| 80° | 510    |
| 85° | 504    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 34791 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1547.5  | 7.7       |
| 10°-20°   | 4255.3  | 21.3      |
| 20°-30°   | 5477.7  | 27.4      |
| 30°-40°   | 4627.3  | 23.1      |
| 40°-50°   | 3022.1  | 15.1      |
| 50°-60°   | 925.9   | 4.6       |
| 60°-70°   | 105.1   | 0.5       |
| 70°-80°   | 21.9    | 0.1       |
| 80°-90°   | 7.6     | 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°    | 11280.6 | 56.4      |
| 0°-40°    | 15907.9 | 79.6      |
| 0°-60°    | 19855.8 | 99.3      |
| 0°-90°    | 19990.4 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 19990.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 16413 |      |
| 5°  | 16327 | ###  |
| 15° | 15234 | 4255 |
| 25° | 12045 | 5478 |
| 35° | 7345  | 4627 |
| 45° | 3861  | 3022 |
| 55° | 890   | 926  |
| 65° | 64    | 105  |
| 75° | 21    | 22   |
| 85° | 7     | 8    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 16412.8 |
| 2.5°  | 16365.9 |
| 5°    | 16326.8 |
| 7.5°  | 16206.1 |
| 10°   | 15974.2 |
| 12.5° | 15685.0 |
| 15°   | 15234.3 |
| 17.5° | 14626.3 |
| 20°   | 13882.9 |
| 22.5° | 13030.9 |
| 25°   | 12045.2 |
| 27.5° | 10929.1 |
| 30°   | 9754.9  |
| 32.5° | 8507.8  |
| 35°   | 7344.9  |
| 37.5° | 6346.1  |
| 40°   | 5448.1  |
| 42.5° | 4648.2  |
| 45°   | 3861.3  |
| 47.5° | 3318.5  |
| 50°   | 2428.3  |
| 52.5° | 1328.8  |
| 55°   | 890.2   |
| 57.5° | 599.3   |
| 60°   | 332.6   |
| 62.5° | 152.9   |
| 65°   | 64.3    |
| 67.5° | 33.9    |
| 70°   | 26.9    |
| 72.5° | 24.3    |
| 75°   | 20.8    |
| 77.5° | 17.4    |
| 80°   | 13.9    |
| 82.5° | 10.4    |
| 85°   | 6.9     |
| 87.5° | 3.5     |
| 90°   | 0.0     |

(END OF REPORT)