

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: P1505265

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K\_L36\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505265  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)  
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-06-WHGL-PS (3500K\_L36\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

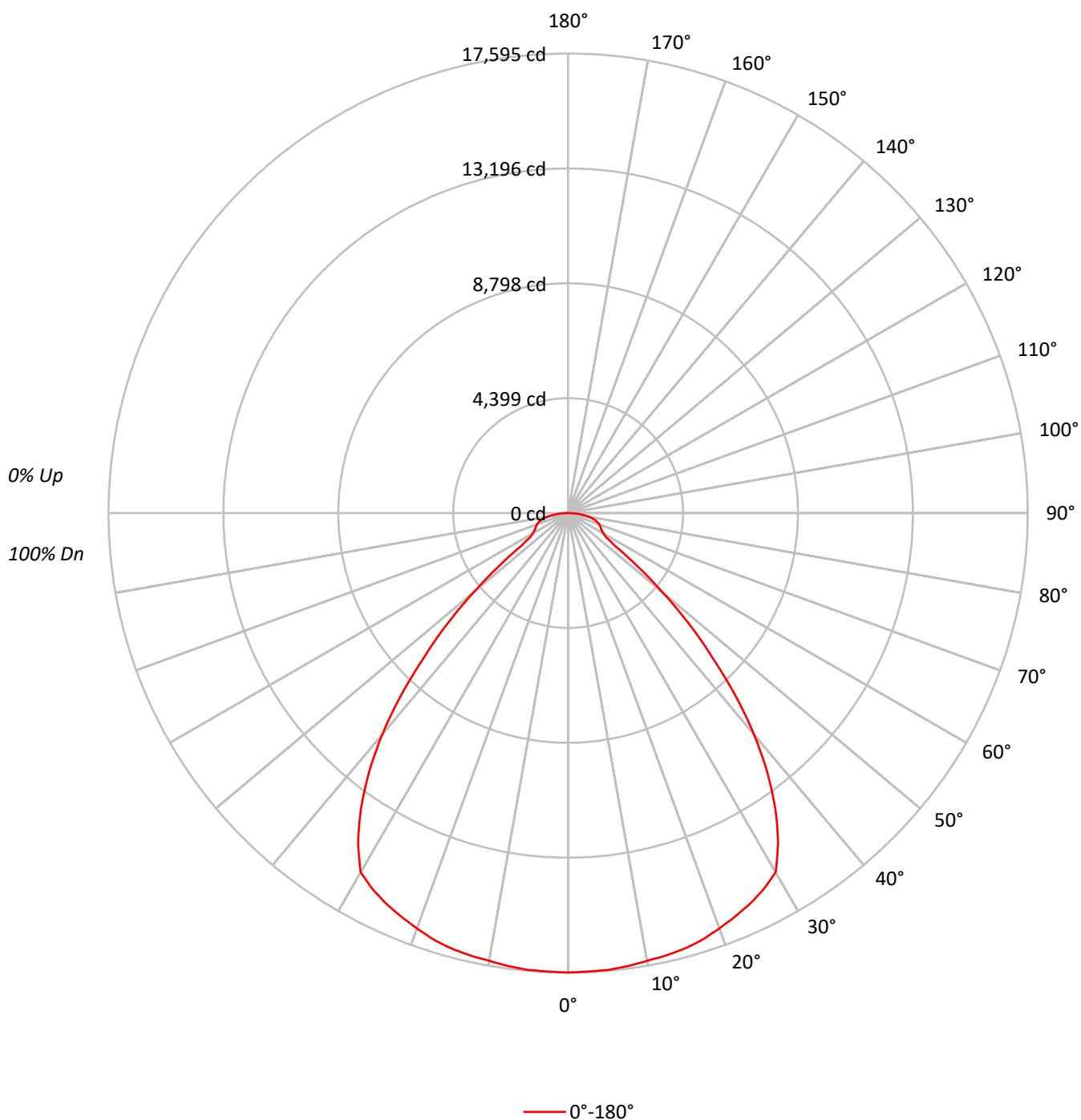
Lumens per Lamp: N/A  
Luminaire Lumens: 33953.1 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24  
Luminous Opening: Circular (Dia: 1.43' x H: 0')  
CIE Type: Direct

Input Watts (W): 235.4  
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   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |  |  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 90  | 85  | 91  | 87  | 83  | 88  | 85  | 82  | 85  | 82  | 80  | 78  |  |  |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 69  |  |  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 62  |  |  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 55  |  |  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |  |  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |  |  |
| 8   | 68  | 56  | 49  | 43  | 67  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |  |  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |  |  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 117374 |
| 5°  | 117580 |
| 10° | 117940 |
| 15° | 119234 |
| 20° | 120128 |
| 25° | 121430 |
| 30° | 122359 |
| 35° | 112662 |
| 40° | 96471  |
| 45° | 73487  |
| 50° | 48980  |
| 55° | 25309  |
| 60° | 20783  |
| 65° | 21835  |
| 70° | 24759  |
| 75° | 27924  |
| 80° | 30410  |
| 85° | 30432  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 73487 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1671.1  | 4.9       |
| 10°-20°   | 4876.0  | 14.4      |
| 20°-30°   | 7605.6  | 22.4      |
| 30°-40°   | 8548.7  | 25.2      |
| 40°-50°   | 6015.6  | 17.7      |
| 50°-60°   | 2298.4  | 6.8       |
| 60°-70°   | 1381.2  | 4.1       |
| 70°-80°   | 1124.2  | 3.3       |
| 80°-90°   | 432.2   | 1.3       |
| 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°    | 14152.8 | 41.7      |
| 0°-40°    | 22701.4 | 66.9      |
| 0°-60°    | 31015.5 | 91.3      |
| 0°-90°    | 33953.1 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 33953.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 17595 |      |
| 5°  | 17559 | ###  |
| 15° | 17265 | 4876 |
| 25° | 16497 | 7606 |
| 35° | 13834 | 8549 |
| 45° | 7790  | 6016 |
| 55° | 2176  | 2298 |
| 65° | 1383  | 1381 |
| 75° | 1083  | 1124 |
| 85° | 398   | 432  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 17594.8 |
| 2.5°  | 17568.0 |
| 5°    | 17558.7 |
| 7.5°  | 17500.6 |
| 10°   | 17411.1 |
| 12.5° | 17348.3 |
| 15°   | 17264.6 |
| 17.5° | 17122.8 |
| 20°   | 16921.7 |
| 22.5° | 16719.4 |
| 25°   | 16497.4 |
| 27.5° | 16225.4 |
| 30°   | 15884.8 |
| 32.5° | 14961.8 |
| 35°   | 13834.3 |
| 37.5° | 12531.2 |
| 40°   | 11078.1 |
| 42.5° | 9477.4  |
| 45°   | 7789.5  |
| 47.5° | 6254.0  |
| 50°   | 4719.5  |
| 52.5° | 3335.1  |
| 55°   | 2176.1  |
| 57.5° | 1720.4  |
| 60°   | 1557.7  |
| 62.5° | 1447.2  |
| 65°   | 1383.3  |
| 67.5° | 1328.7  |
| 70°   | 1269.4  |
| 72.5° | 1189.2  |
| 75°   | 1083.4  |
| 77.5° | 954.4   |
| 80°   | 791.6   |
| 82.5° | 601.0   |
| 85°   | 397.6   |
| 87.5° | 194.1   |
| 90°   | 0.0     |

(END OF REPORT)