

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: P1505286

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K\_L24\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505286  
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 (6500K\_L24\_Wide\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

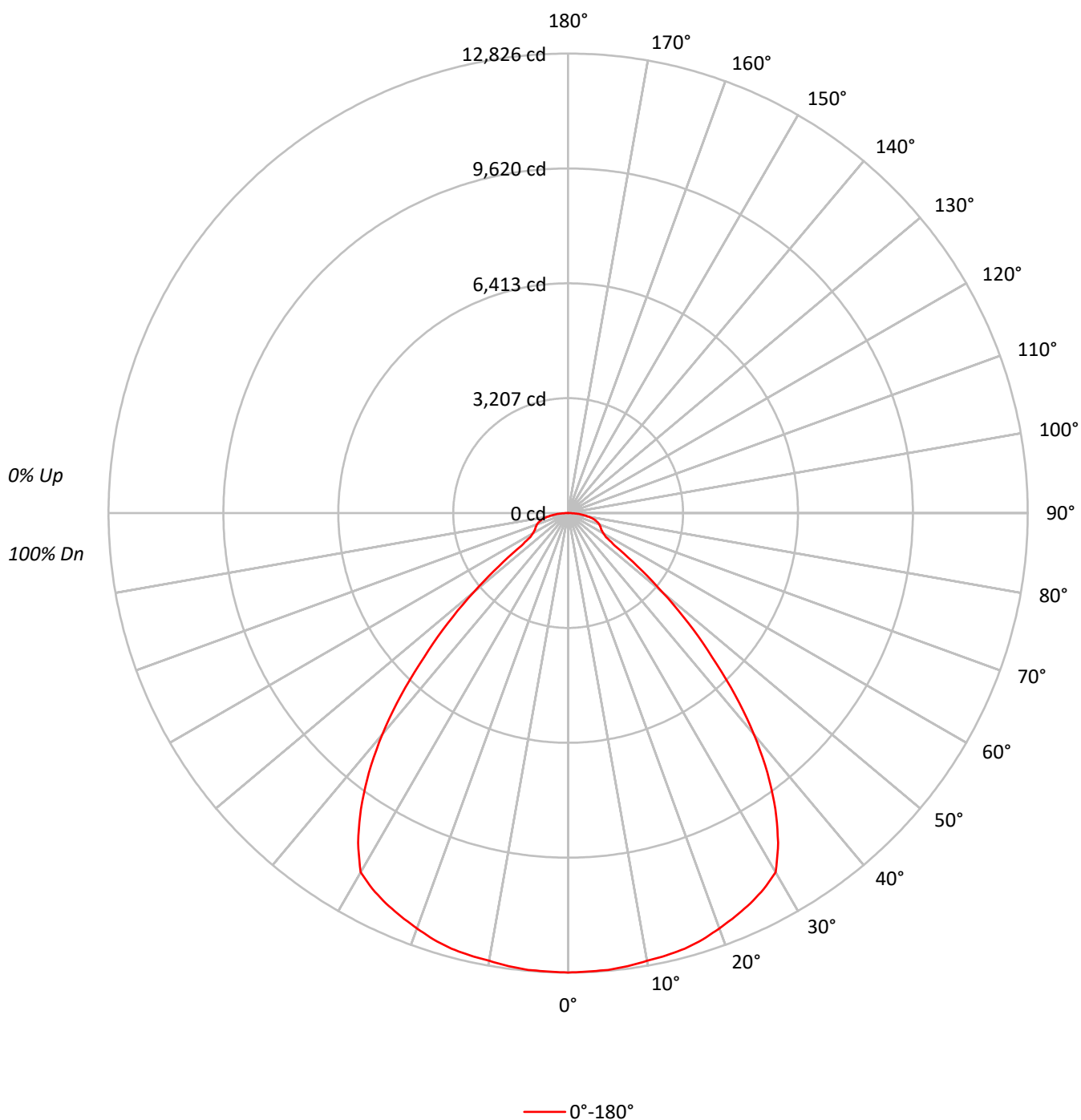
Lumens per Lamp: N/A  
Luminaire Lumens: 24751.5 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24  
Luminous Opening: Circular (Dia: 1.43' x H: 0')  
CIE Type: Direct

Input Watts (W): 159.8  
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  |
| 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°  | 85564 |
| 5°  | 85715 |
| 10° | 85977 |
| 15° | 86920 |
| 20° | 87572 |
| 25° | 88521 |
| 30° | 89199 |
| 35° | 82129 |
| 40° | 70326 |
| 45° | 53572 |
| 50° | 35706 |
| 55° | 18450 |
| 60° | 15150 |
| 65° | 15917 |
| 70° | 18049 |
| 75° | 20357 |
| 80° | 22170 |
| 85° | 22181 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 53572 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1218.2  | 4.9       |
| 10°-20°   | 3554.6  | 14.4      |
| 20°-30°   | 5544.4  | 22.4      |
| 30°-40°   | 6231.9  | 25.2      |
| 40°-50°   | 4385.3  | 17.7      |
| 50°-60°   | 1675.5  | 6.8       |
| 60°-70°   | 1006.9  | 4.1       |
| 70°-80°   | 819.5   | 3.3       |
| 80°-90°   | 315.1   | 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°    | 10317.3 | 41.7      |
| 0°-40°    | 16549.1 | 66.9      |
| 0°-60°    | 22610.0 | 91.3      |
| 0°-90°    | 24751.5 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 24751.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 12826 |      |
| 5°  | 12800 | ###  |
| 15° | 12586 | 3555 |
| 25° | 12026 | 5544 |
| 35° | 10085 | 6232 |
| 45° | 5678  | 4385 |
| 55° | 1586  | 1676 |
| 65° | 1008  | 1007 |
| 75° | 790   | 820  |
| 85° | 290   | 315  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 12826.4 |
| 2.5°  | 12806.9 |
| 5°    | 12800.1 |
| 7.5°  | 12757.8 |
| 10°   | 12692.5 |
| 12.5° | 12646.8 |
| 15°   | 12585.7 |
| 17.5° | 12482.4 |
| 20°   | 12335.8 |
| 22.5° | 12188.3 |
| 25°   | 12026.4 |
| 27.5° | 11828.2 |
| 30°   | 11579.9 |
| 32.5° | 10907.0 |
| 35°   | 10085.0 |
| 37.5° | 9135.1  |
| 40°   | 8075.8  |
| 42.5° | 6908.9  |
| 45°   | 5678.5  |
| 47.5° | 4559.1  |
| 50°   | 3440.5  |
| 52.5° | 2431.2  |
| 55°   | 1586.4  |
| 57.5° | 1254.2  |
| 60°   | 1135.5  |
| 62.5° | 1055.0  |
| 65°   | 1008.4  |
| 67.5° | 968.6   |
| 70°   | 925.4   |
| 72.5° | 866.9   |
| 75°   | 789.8   |
| 77.5° | 695.7   |
| 80°   | 577.1   |
| 82.5° | 438.1   |
| 85°   | 289.8   |
| 87.5° | 141.5   |
| 90°   | 0.0     |

(END OF REPORT)