

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: P1505285

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

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505285  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)  
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\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

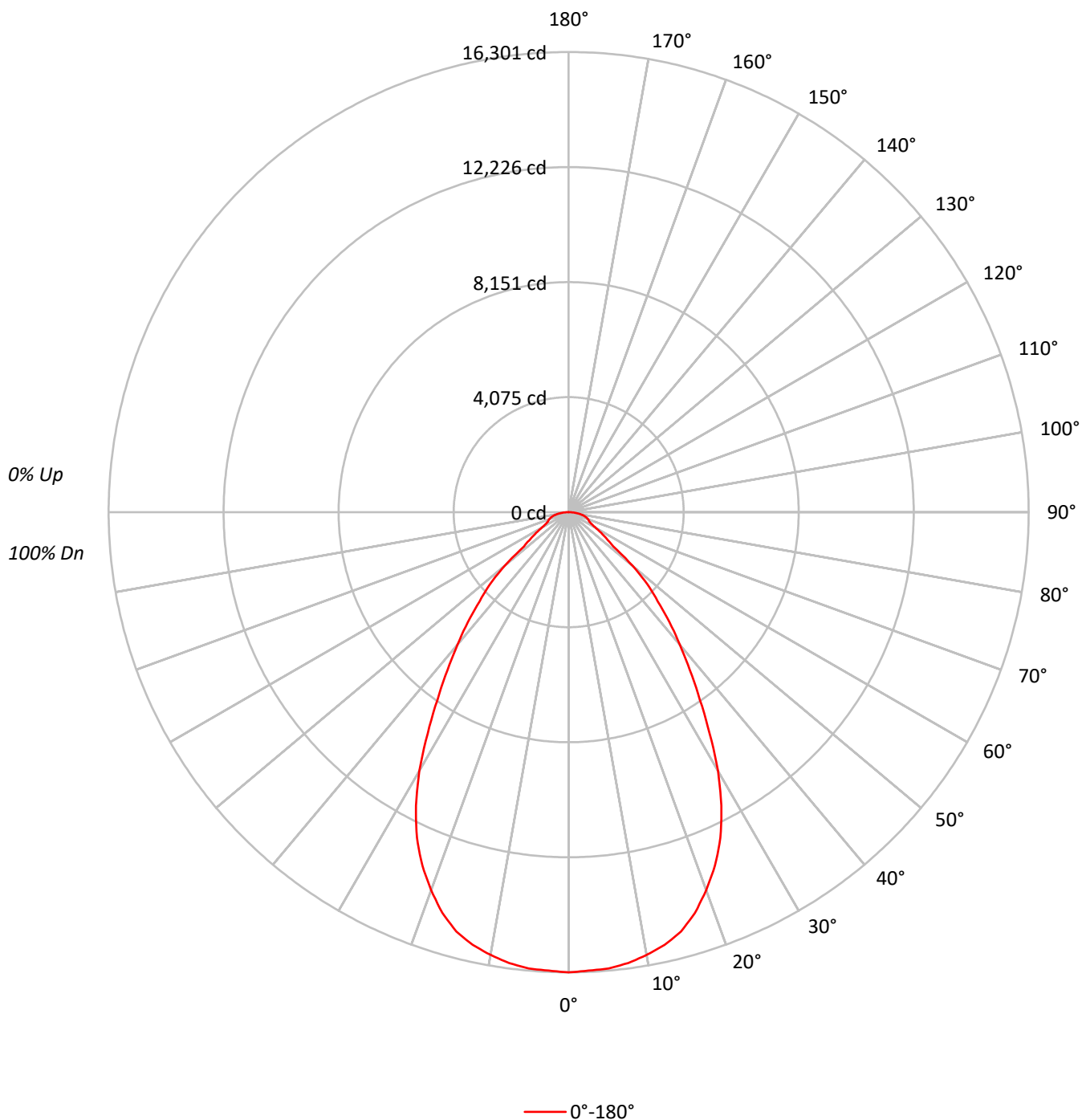
Lumens per Lamp: N/A  
Luminaire Lumens: 23473.3 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03  
Luminous Opening: Circular (Dia: 1.43' x H: 0')  
CIE Type: Direct

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  | 0   |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |
| 1   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |  |  |
| 2   | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 83  | 87  | 84  | 82  | 80  |  |  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  | 85  | 80  | 76  | 82  | 78  | 74  | 80  | 76  | 73  | 71  |  |  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 64  |  |  |
| 5   | 85  | 75  | 68  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |  |  |
| 6   | 80  | 69  | 62  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 56  | 65  | 59  | 55  | 63  | 59  | 55  | 53  |  |  |
| 7   | 75  | 64  | 57  | 51  | 73  | 63  | 56  | 51  | 62  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 49  |  |  |
| 8   | 71  | 59  | 52  | 47  | 69  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 46  | 45  |  |  |
| 9   | 67  | 55  | 48  | 44  | 65  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |  |  |
| 10  | 63  | 52  | 45  | 40  | 62  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 49  | 43  | 40  | 38  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 108741 |
| 5°  | 108641 |
| 10° | 107893 |
| 15° | 106222 |
| 20° | 101126 |
| 25° | 93636  |
| 30° | 81503  |
| 35° | 66015  |
| 40° | 53287  |
| 45° | 42123  |
| 50° | 30780  |
| 55° | 19199  |
| 60° | 14641  |
| 65° | 12988  |
| 70° | 14264  |
| 75° | 15596  |
| 80° | 16473  |
| 85° | 17191  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 42123 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1539.1  | 6.6       |
| 10°-20°   | 4302.7  | 18.3      |
| 20°-30°   | 5782.8  | 24.6      |
| 30°-40°   | 5096.5  | 21.7      |
| 40°-50°   | 3469.3  | 14.8      |
| 50°-60°   | 1564.8  | 6.7       |
| 60°-70°   | 847.8   | 3.6       |
| 70°-80°   | 629.9   | 2.7       |
| 80°-90°   | 240.5   | 1.0       |
| 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°    | 11624.6 | 49.5      |
| 0°-40°    | 16721.0 | 71.2      |
| 0°-60°    | 21755.2 | 92.7      |
| 0°-90°    | 23473.3 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 23473.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 16301 |      |
| 5°  | 16224 | ###  |
| 15° | 15380 | 4303 |
| 25° | 12721 | 5783 |
| 35° | 8106  | 5096 |
| 45° | 4465  | 3469 |
| 55° | 1651  | 1565 |
| 65° | 823   | 848  |
| 75° | 605   | 630  |
| 85° | 225   | 241  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 16300.8 |
| 2.5°  | 16255.0 |
| 5°    | 16223.7 |
| 7.5°  | 16111.0 |
| 10°   | 15927.9 |
| 12.5° | 15701.7 |
| 15°   | 15380.5 |
| 17.5° | 14885.6 |
| 20°   | 14245.0 |
| 22.5° | 13550.1 |
| 25°   | 12721.3 |
| 27.5° | 11718.0 |
| 30°   | 10580.8 |
| 32.5° | 9294.4  |
| 35°   | 8106.3  |
| 37.5° | 7049.6  |
| 40°   | 6119.1  |
| 42.5° | 5285.3  |
| 45°   | 4465.0  |
| 47.5° | 3794.7  |
| 50°   | 2965.9  |
| 52.5° | 1994.8  |
| 55°   | 1650.8  |
| 57.5° | 1361.8  |
| 60°   | 1097.4  |
| 62.5° | 916.9   |
| 65°   | 822.8   |
| 67.5° | 771.1   |
| 70°   | 731.3   |
| 72.5° | 677.1   |
| 75°   | 605.1   |
| 77.5° | 523.7   |
| 80°   | 428.8   |
| 82.5° | 329.6   |
| 85°   | 224.6   |
| 87.5° | 115.2   |
| 90°   | 0.0     |

(END OF REPORT)