

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: P1505629

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K\_L32\_Medium\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505629  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)  
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-WHGL-PS (4000K\_L32\_Medium\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION  
LIGHT LEVEL 2 - 32,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

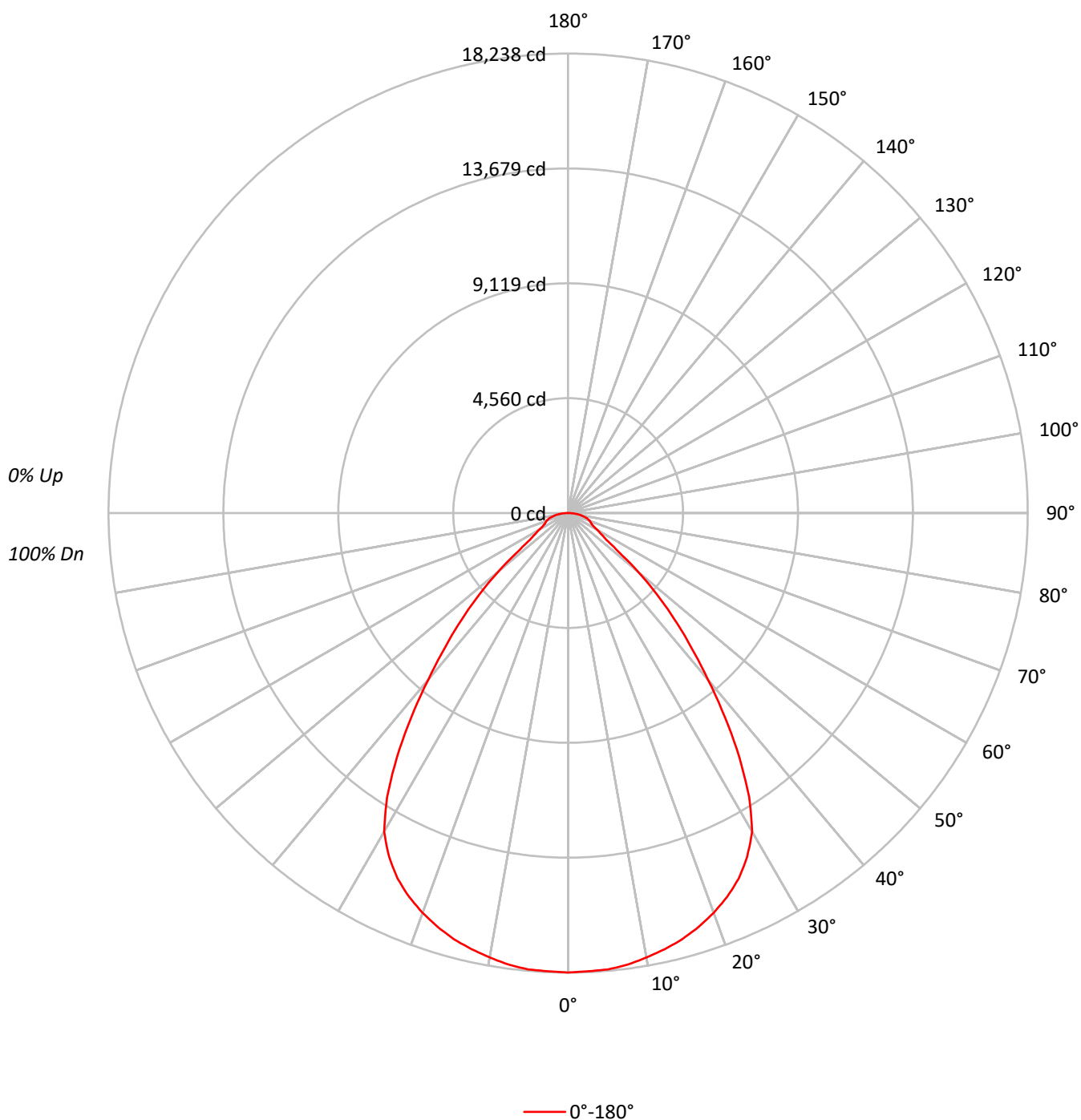
Lumens per Lamp: N/A  
Luminaire Lumens: 29908.2 lumens  
Efficiency: N/A  
Efficacy: 153.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 1.47' x H: 0')  
CIE Type: Direct

Input Watts (W): 194.3  
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 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |  |  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 84  | 81  | 79  |  |  |
| 3   | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 77  | 84  | 79  | 75  | 82  | 78  | 74  | 80  | 76  | 73  | 71  |  |  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 73  | 68  | 77  | 72  | 67  | 75  | 70  | 67  | 73  | 69  | 66  | 64  |  |  |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 59  | 58  |  |  |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 60  | 55  | 66  | 60  | 55  | 64  | 59  | 54  | 63  | 58  | 54  | 52  |  |  |
| 7   | 74  | 63  | 56  | 50  | 73  | 62  | 55  | 50  | 61  | 55  | 50  | 60  | 54  | 50  | 58  | 53  | 49  | 48  |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 44  |  |  |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 116195 |
| 5°  | 116285 |
| 10° | 115850 |
| 15° | 115488 |
| 20° | 114488 |
| 25° | 112539 |
| 30° | 107415 |
| 35° | 92153  |
| 40° | 71780  |
| 45° | 53792  |
| 50° | 36069  |
| 55° | 20390  |
| 60° | 16917  |
| 65° | 15508  |
| 70° | 17020  |
| 75° | 18398  |
| 80° | 19292  |
| 85° | 19408  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 53792 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1726.7  | 5.8       |
| 10°-20°   | 4935.8  | 16.5      |
| 20°-30°   | 7331.8  | 24.5      |
| 30°-40°   | 7315.8  | 24.5      |
| 40°-50°   | 4615.6  | 15.4      |
| 50°-60°   | 1863.1  | 6.2       |
| 60°-70°   | 1052.9  | 3.5       |
| 70°-80°   | 778.6   | 2.6       |
| 80°-90°   | 288.0   | 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°    | 13994.3 | 46.8      |
| 0°-40°    | 21310.0 | 71.3      |
| 0°-60°    | 27788.8 | 92.9      |
| 0°-90°    | 29908.2 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 29908.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 18238 |      |
| 5°  | 18182 | ###  |
| 15° | 17509 | 4936 |
| 25° | 16009 | 7332 |
| 35° | 11848 | 7316 |
| 45° | 5970  | 4616 |
| 55° | 1836  | 1863 |
| 65° | 1029  | 1053 |
| 75° | 747   | 779  |
| 85° | 266   | 288  |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 18237.7 |
| 2.5°  | 18202.1 |
| 5°    | 18182.3 |
| 7.5°  | 18081.9 |
| 10°   | 17907.3 |
| 12.5° | 17728.6 |
| 15°   | 17509.1 |
| 17.5° | 17221.6 |
| 20°   | 16886.0 |
| 22.5° | 16487.7 |
| 25°   | 16008.9 |
| 27.5° | 15383.8 |
| 30°   | 14600.8 |
| 32.5° | 13366.2 |
| 35°   | 11848.3 |
| 37.5° | 10226.9 |
| 40°   | 8630.6  |
| 42.5° | 7215.2  |
| 45°   | 5970.2  |
| 47.5° | 4788.9  |
| 50°   | 3639.0  |
| 52.5° | 2514.1  |
| 55°   | 1835.7  |
| 57.5° | 1556.6  |
| 60°   | 1327.6  |
| 62.5° | 1135.3  |
| 65°   | 1028.7  |
| 67.5° | 968.0   |
| 70°   | 913.7   |
| 72.5° | 840.5   |
| 75°   | 747.4   |
| 77.5° | 641.9   |
| 80°   | 525.8   |
| 82.5° | 399.3   |
| 85°   | 265.5   |
| 87.5° | 130.7   |
| 90°   | 0.0     |

(END OF REPORT)