

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: P1505138

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K\_L36\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505138  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)  
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-BLAK-PS (4000K\_L36\_Narrow\_120V)  
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

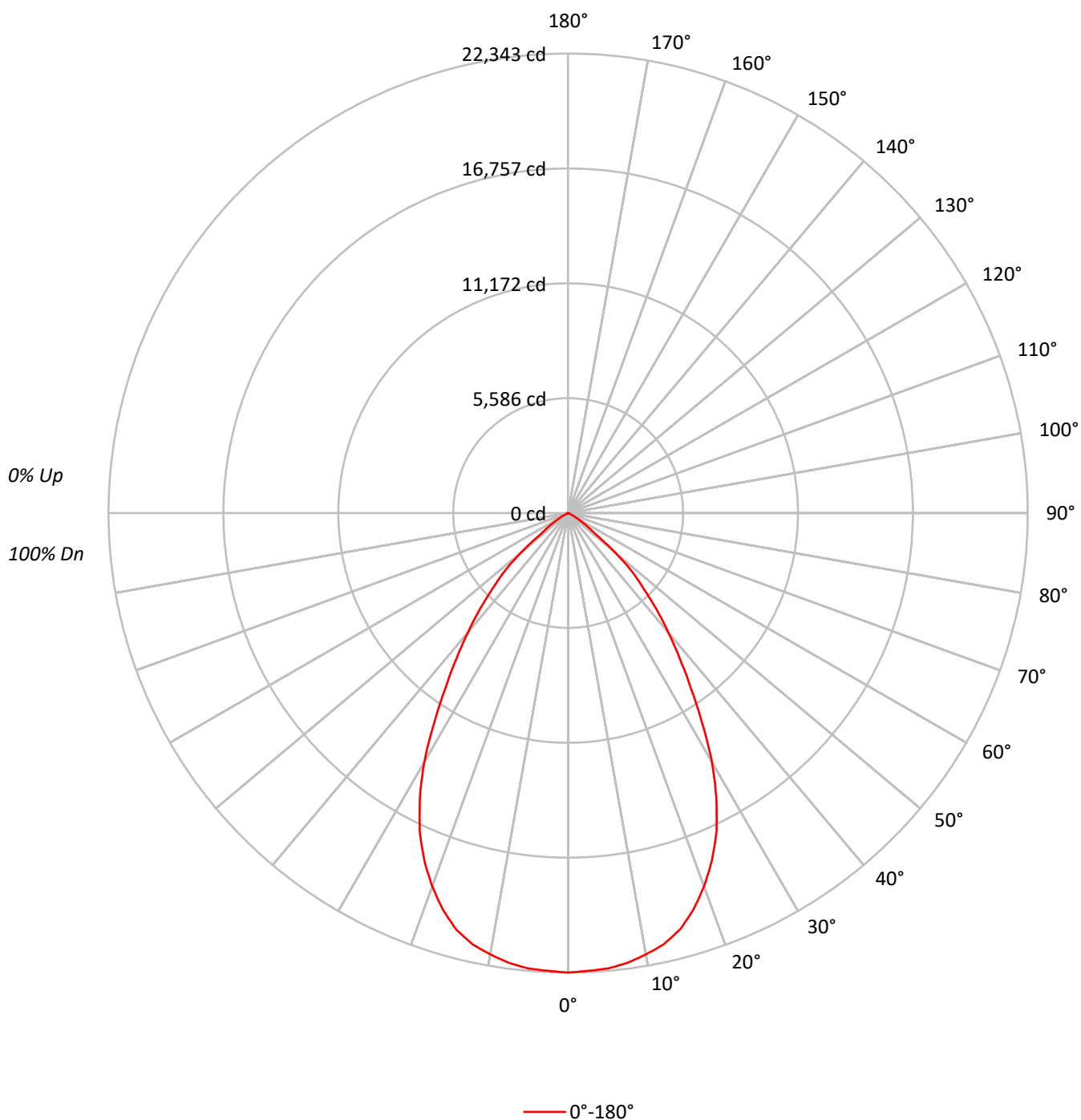
Lumens per Lamp: N/A  
Luminaire Lumens: 27633.7 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1  
Luminous Opening: Circular (Dia: 1.43' x H: 0')  
CIE Type: Direct

Input Watts (W): 231.9  
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   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |  |  |
| 2   | 106 | 101 | 97  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |  |  |
| 3   | 100 | 93  | 87  | 83  | 98  | 92  | 87  | 82  | 89  | 85  | 81  | 86  | 83  | 80  | 84  | 81  | 79  | 77  |  |  |
| 4   | 94  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 74  | 80  | 76  | 73  | 78  | 75  | 72  | 70  |  |  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |  |  |
| 6   | 84  | 74  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 61  | 59  |  |  |
| 7   | 79  | 68  | 62  | 57  | 77  | 68  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |  |  |
| 8   | 74  | 64  | 57  | 53  | 73  | 63  | 57  | 52  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |  |  |
| 9   | 70  | 60  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 47  |  |  |
| 10  | 67  | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 43  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 149048 |
| 5°  | 148839 |
| 10° | 147583 |
| 15° | 144848 |
| 20° | 137124 |
| 25° | 125598 |
| 30° | 107785 |
| 35° | 84784  |
| 40° | 65851  |
| 45° | 48939  |
| 50° | 31542  |
| 55° | 13309  |
| 60° | 5379   |
| 65° | 1242   |
| 70° | 731    |
| 75° | 781    |
| 80° | 837    |
| 85° | 834    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 48939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 2107.5  | 7.6       |
| 10°-20°   | 5862.5  | 21.2      |
| 20°-30°   | 7749.2  | 28.0      |
| 30°-40°   | 6551.9  | 23.7      |
| 40°-50°   | 4031.5  | 14.6      |
| 50°-60°   | 1159.0  | 4.2       |
| 60°-70°   | 128.9   | 0.5       |
| 70°-80°   | 31.5    | 0.1       |
| 80°-90°   | 11.9    | 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°    | 15719.1 | 56.9      |
| 0°-40°    | 22271.0 | 80.6      |
| 0°-60°    | 27461.5 | 99.4      |
| 0°-90°    | 27633.7 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 27633.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 22343 |      |
| 5°  | 22227 | ###  |
| 15° | 20974 | 5862 |
| 25° | 17064 | 7749 |
| 35° | 10411 | 6552 |
| 45° | 5187  | 4031 |
| 55° | 1144  | 1159 |
| 65° | 79    | 129  |
| 75° | 30    | 31   |
| 85° | 11    | 12   |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 22342.9 |
| 2.5°  | 22278.8 |
| 5°    | 22226.7 |
| 7.5°  | 22058.4 |
| 10°   | 21787.2 |
| 12.5° | 21474.8 |
| 15°   | 20973.5 |
| 17.5° | 20230.0 |
| 20°   | 19315.8 |
| 22.5° | 18273.2 |
| 25°   | 17063.6 |
| 27.5° | 15599.6 |
| 30°   | 13992.8 |
| 32.5° | 12131.7 |
| 35°   | 10411.0 |
| 37.5° | 8901.1  |
| 40°   | 7561.9  |
| 42.5° | 6353.4  |
| 45°   | 5187.4  |
| 47.5° | 4222.3  |
| 50°   | 3039.3  |
| 52.5° | 1639.5  |
| 55°   | 1144.3  |
| 57.5° | 750.7   |
| 60°   | 403.2   |
| 62.5° | 185.3   |
| 65°   | 78.7    |
| 67.5° | 43.6    |
| 70°   | 37.5    |
| 72.5° | 33.9    |
| 75°   | 30.3    |
| 77.5° | 25.4    |
| 80°   | 21.8    |
| 82.5° | 15.7    |
| 85°   | 10.9    |
| 87.5° | 6.1     |
| 90°   | 0.0     |

(END OF REPORT)