

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: P1504995

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K\_L36\_Wide\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504995  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)  
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-04-CLER-PS (3500K\_L36\_Wide\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

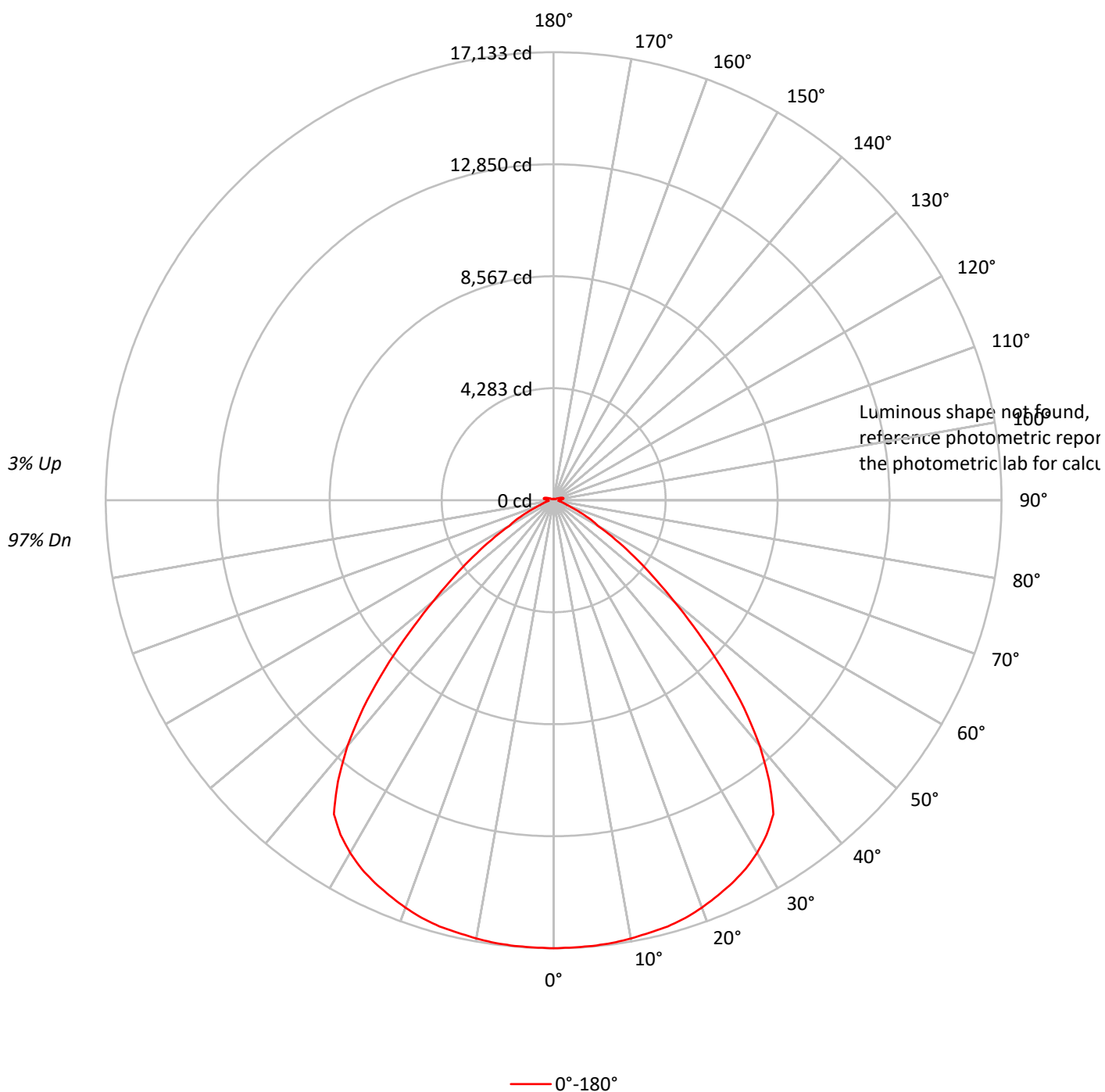
Lumens per Lamp: N/A  
Luminaire Lumens: 36130.4 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

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   | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |  |  |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 100 | 98  | 95  | 96  | 94  | 92  | 92 | 90 | 89 | 87 |  |  |
| 2   | 103 | 97  | 91  | 87  | 100 | 94  | 90  | 85  | 91  | 87  | 83  | 87  | 84  | 81  | 84 | 81 | 79 | 77 |  |  |
| 3   | 96  | 87  | 81  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  | 79  | 75  | 71  | 76 | 73 | 70 | 68 |  |  |
| 4   | 89  | 79  | 72  | 66  | 86  | 77  | 71  | 65  | 75  | 69  | 64  | 72  | 67  | 63  | 70 | 66 | 62 | 60 |  |  |
| 5   | 83  | 72  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 64 | 59 | 56 | 54 |  |  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 59 | 54 | 50 | 48 |  |  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 54 | 49 | 45 | 43 |  |  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  | 50 | 45 | 41 | 39 |  |  |
| 9   | 63  | 51  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 46 | 41 | 37 | 36 |  |  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 38  | 34  | 43 | 38 | 34 | 33 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1630.3  | 4.5       |
| 10°-20°   | 4768.0  | 13.2      |
| 20°-30°   | 7451.0  | 20.6      |
| 30°-40°   | 8958.3  | 24.8      |
| 40°-50°   | 7007.9  | 19.4      |
| 50°-60°   | 3405.2  | 9.4       |
| 60°-70°   | 1193.1  | 3.3       |
| 70°-80°   | 409.0   | 1.1       |
| 80°-90°   | 219.0   | 0.6       |
| 90°-100°  | 337.1   | 0.9       |
| 100°-110° | 361.2   | 1.0       |
| 110°-120° | 176.3   | 0.5       |
| 120°-130° | 72.4    | 0.2       |
| 130°-140° | 50.5    | 0.1       |
| 140°-150° | 42.2    | 0.1       |
| 150°-160° | 29.6    | 0.1       |
| 160°-170° | 15.0    | 0.0       |
| 170°-180° | 4.0     | 0.0       |
| 0°-30°    | 13849.3 | 38.3      |
| 0°-40°    | 22807.6 | 63.1      |
| 0°-60°    | 33220.7 | 91.9      |
| 0°-90°    | 35041.8 | 97.0      |
| 90°-120°  | 874.6   | 2.4       |
| 90°-150°  | 1039.8  | 2.9       |
| 90°-180°  | 1089.0  | 3.0       |
| 0°-180°   | 36130.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 17133 |      |
| 5°   | 17109 | ###  |
| 15°  | 16872 | 4768 |
| 25°  | 16158 | 7451 |
| 35°  | 14655 | 8958 |
| 45°  | 9142  | 7008 |
| 55°  | 3765  | 3405 |
| 65°  | 1179  | 1193 |
| 75°  | 377   | 409  |
| 85°  | 182   | 165  |
| 90°  | 208   | 118  |
| 95°  | 316   | 273  |
| 105° | 351   | 361  |
| 115° | 172   | 176  |
| 125° | 77    | 72   |
| 135° | 65    | 51   |
| 145° | 67    | 42   |
| 155° | 64    | 30   |
| 165° | 52    | 15   |
| 175° | 41    | 4    |
| 180° | 38    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 17133.3 |
| 2.5°   | 17117.0 |
| 5°     | 17108.9 |
| 7.5°   | 17077.5 |
| 10°    | 17018.2 |
| 12.5°  | 16940.3 |
| 15°    | 16871.7 |
| 17.5°  | 16754.3 |
| 20°    | 16578.8 |
| 22.5°  | 16374.2 |
| 25°    | 16158.0 |
| 27.5°  | 15898.8 |
| 30°    | 15570.9 |
| 32.5°  | 15168.7 |
| 35°    | 14654.9 |
| 37.5°  | 13554.1 |
| 40°    | 12265.0 |
| 42.5°  | 10779.3 |
| 45°    | 9141.5  |
| 47.5°  | 7492.0  |
| 50°    | 5998.2  |
| 52.5°  | 4778.8  |
| 55°    | 3765.2  |
| 57.5°  | 2810.8  |
| 60°    | 1962.2  |
| 62.5°  | 1599.5  |
| 65°    | 1178.7  |
| 67.5°  | 802.1   |
| 70°    | 568.4   |
| 72.5°  | 449.9   |
| 75°    | 376.6   |
| 77.5°  | 313.9   |
| 80°    | 252.3   |
| 82.5°  | 206.9   |
| 85°    | 182.5   |
| 87.5°  | 183.7   |
| 90°    | 208.1   |
| 92.5°  | 259.2   |
| 95°    | 316.2   |
| 97.5°  | 363.8   |
| 100°   | 387.1   |
| 102.5° | 379.0   |
| 105°   | 351.1   |
| 107.5° | 309.2   |
| 110°   | 261.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 213.9 |
| 115°   | 172.0 |
| 117.5° | 136.0 |
| 120°   | 108.1 |
| 122.5° | 89.5  |
| 125°   | 76.7  |
| 127.5° | 68.6  |
| 130°   | 65.1  |
| 132.5° | 63.9  |
| 135°   | 65.1  |
| 137.5° | 66.3  |
| 140°   | 66.3  |
| 142.5° | 67.4  |
| 145°   | 67.4  |
| 147.5° | 67.4  |
| 150°   | 67.4  |
| 152.5° | 66.3  |
| 155°   | 63.9  |
| 157.5° | 61.6  |
| 160°   | 59.3  |
| 162.5° | 55.8  |
| 165°   | 52.3  |
| 167.5° | 48.8  |
| 170°   | 45.3  |
| 172.5° | 43.0  |
| 175°   | 40.7  |
| 177.5° | 39.5  |
| 180°   | 38.4  |

(END OF REPORT)