

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: P1505057

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K\_L36\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505057  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)  
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-TRWH-PS (5000K\_L36\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC  
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 36,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

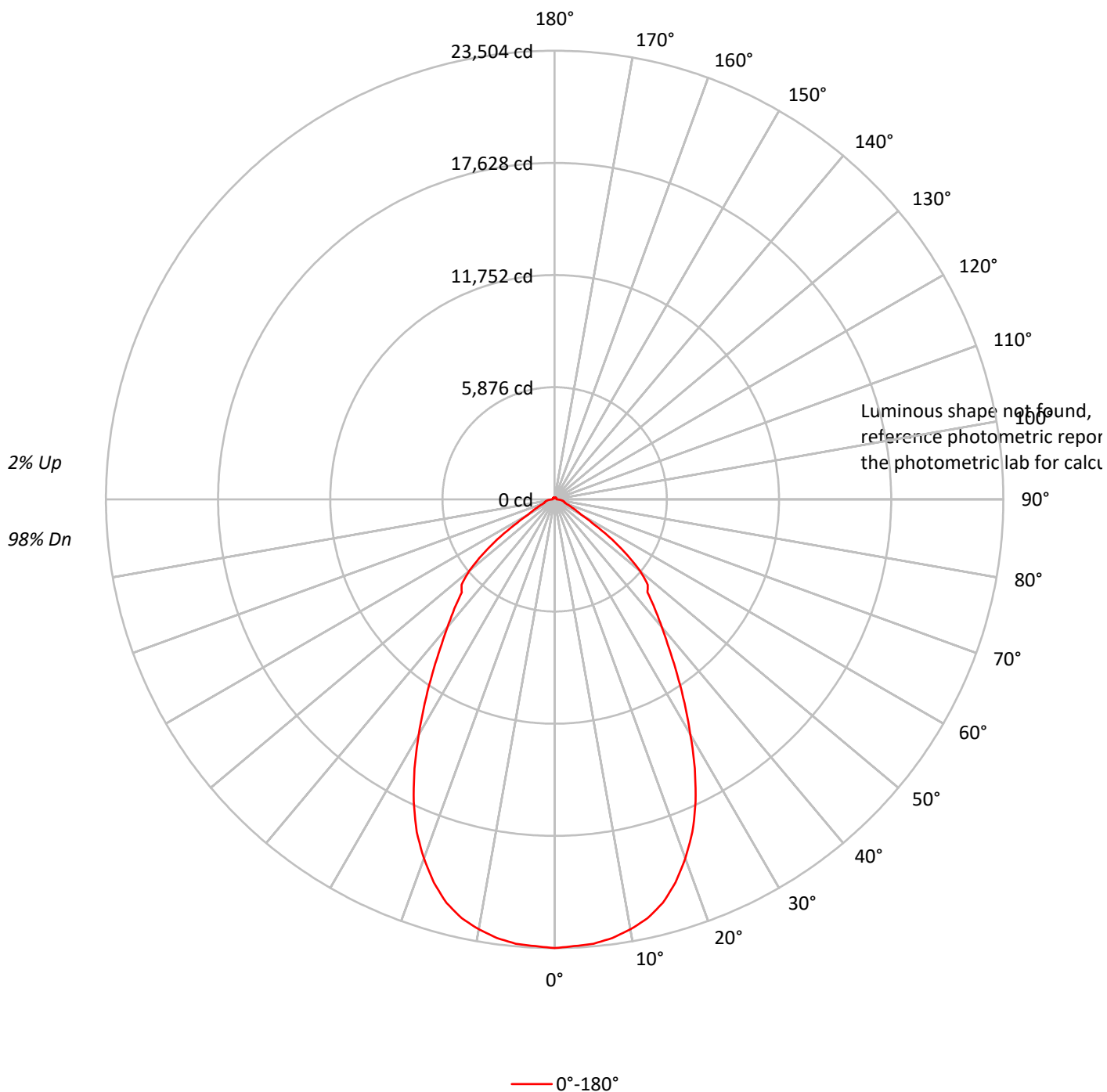
Lumens per Lamp: N/A  
Luminaire Lumens: 34573.4 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 1.01  
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 233.3  
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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |  |  |
| 1   | 111 | 108 | 104 | 101 | 108 | 105 | 102 | 100 | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 91  | 90  | 88 |  |  |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 85  | 82  | 85  | 83  | 80  | 78 |  |  |
| 3   | 97  | 89  | 82  | 77  | 94  | 87  | 81  | 76  | 84  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 72  | 70 |  |  |
| 4   | 90  | 81  | 74  | 68  | 88  | 79  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 72  | 68  | 65  | 63 |  |  |
| 5   | 84  | 74  | 67  | 61  | 82  | 73  | 66  | 61  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 59  | 57 |  |  |
| 6   | 79  | 68  | 61  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 52 |  |  |
| 7   | 74  | 63  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 47 |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 45  | 54  | 49  | 45  | 43 |  |  |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 50  | 45  | 41  | 40 |  |  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 39  | 47  | 42  | 38  | 37 |  |  |

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



**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 2214.4  | 6.4       |
| 10°-20°   | 6113.2  | 17.7      |
| 20°-30°   | 7945.1  | 23.0      |
| 30°-40°   | 7018.7  | 20.3      |
| 40°-50°   | 5499.7  | 15.9      |
| 50°-60°   | 3260.5  | 9.4       |
| 60°-70°   | 1037.9  | 3.0       |
| 70°-80°   | 552.8   | 1.6       |
| 80°-90°   | 303.6   | 0.9       |
| 90°-100°  | 115.2   | 0.3       |
| 100°-110° | 112.4   | 0.3       |
| 110°-120° | 103.8   | 0.3       |
| 120°-130° | 90.5    | 0.3       |
| 130°-140° | 75.7    | 0.2       |
| 140°-150° | 62.7    | 0.2       |
| 150°-160° | 41.8    | 0.1       |
| 160°-170° | 19.8    | 0.1       |
| 170°-180° | 5.4     | 0.0       |
| 0°-30°    | 16272.7 | 47.1      |
| 0°-40°    | 23291.5 | 67.4      |
| 0°-60°    | 32051.7 | 92.7      |
| 0°-90°    | 33946.0 | 98.2      |
| 90°-120°  | 331.4   | 1.0       |
| 90°-150°  | 560.3   | 1.6       |
| 90°-180°  | 627.0   | 1.8       |
| 0°-180°   | 34573.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 23504 |      |
| 5°   | 23365 | ###  |
| 15°  | 21890 | 6113 |
| 25°  | 17469 | 7945 |
| 35°  | 11166 | 7019 |
| 45°  | 6878  | 5500 |
| 55°  | 3673  | 3261 |
| 65°  | 1011  | 1038 |
| 75°  | 520   | 553  |
| 85°  | 283   | 262  |
| 90°  | 109   | 71   |
| 95°  | 105   | 86   |
| 105° | 106   | 112  |
| 115° | 105   | 104  |
| 125° | 101   | 91   |
| 135° | 98    | 76   |
| 145° | 100   | 63   |
| 155° | 89    | 42   |
| 165° | 68    | 20   |
| 175° | 55    | 5    |
| 180° | 55    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 23504.0 |
| 2.5°   | 23425.9 |
| 5°     | 23364.9 |
| 7.5°   | 23176.9 |
| 10°    | 22870.5 |
| 12.5°  | 22470.2 |
| 15°    | 21890.4 |
| 17.5°  | 21040.9 |
| 20°    | 20015.5 |
| 22.5°  | 18860.8 |
| 25°    | 17469.4 |
| 27.5°  | 15893.5 |
| 30°    | 14226.2 |
| 32.5°  | 12652.8 |
| 35°    | 11166.1 |
| 37.5°  | 9832.0  |
| 40°    | 8721.2  |
| 42.5°  | 7769.2  |
| 45°    | 6878.1  |
| 47.5°  | 6618.1  |
| 50°    | 5849.2  |
| 52.5°  | 4803.1  |
| 55°    | 3672.8  |
| 57.5°  | 2490.0  |
| 60°    | 1628.3  |
| 62.5°  | 1299.9  |
| 65°    | 1010.7  |
| 67.5°  | 771.4   |
| 70°    | 625.0   |
| 72.5°  | 557.8   |
| 75°    | 520.0   |
| 77.5°  | 485.8   |
| 80°    | 433.3   |
| 82.5°  | 366.2   |
| 85°    | 283.2   |
| 87.5°  | 194.1   |
| 90°    | 108.6   |
| 92.5°  | 103.8   |
| 95°    | 105.0   |
| 97.5°  | 106.2   |
| 100°   | 106.2   |
| 102.5° | 106.2   |
| 105°   | 106.2   |
| 107.5° | 106.2   |
| 110°   | 106.2   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 105.0 |
| 115°   | 105.0 |
| 117.5° | 103.8 |
| 120°   | 102.5 |
| 122.5° | 101.3 |
| 125°   | 101.3 |
| 127.5° | 100.1 |
| 130°   | 98.9  |
| 132.5° | 97.6  |
| 135°   | 97.6  |
| 137.5° | 97.6  |
| 140°   | 97.6  |
| 142.5° | 98.9  |
| 145°   | 100.1 |
| 147.5° | 101.3 |
| 150°   | 101.3 |
| 152.5° | 95.2  |
| 155°   | 89.1  |
| 157.5° | 84.2  |
| 160°   | 79.3  |
| 162.5° | 73.2  |
| 165°   | 68.4  |
| 167.5° | 64.7  |
| 170°   | 61.0  |
| 172.5° | 57.4  |
| 175°   | 54.9  |
| 177.5° | 53.7  |
| 180°   | 54.9  |

(END OF REPORT)