

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: P1505393

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K\_L24\_Narrow\_120V)

Issue Date: 7/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1505393  
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)  
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-04-TRWH-PS (3500K\_L24\_Narrow\_120V)  
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC  
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION  
LIGHT LEVEL 1 - 24,000 LUMENS  
Light Source:  
Ballast/Driver: -

**Summary**

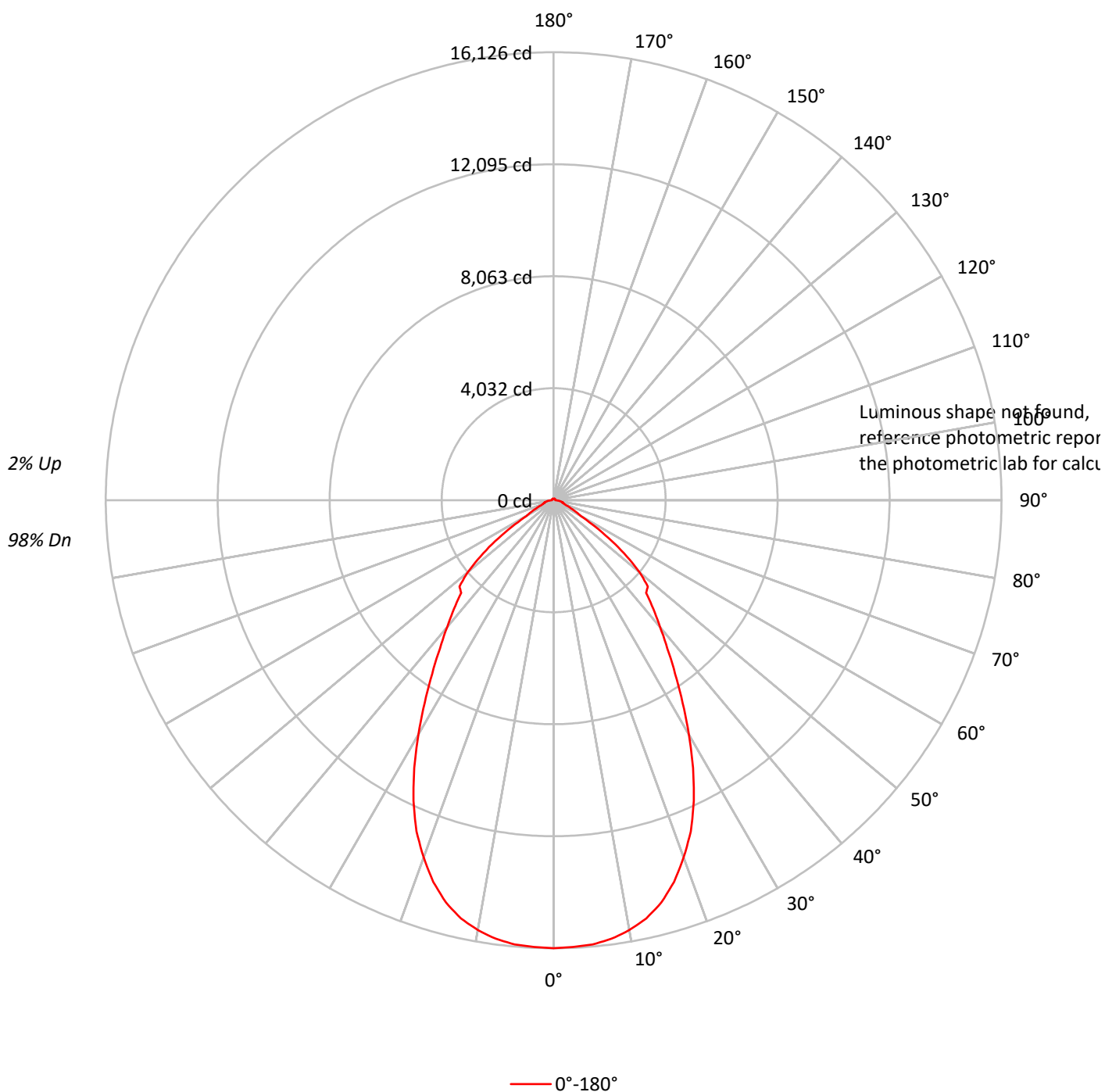
Lumens per Lamp: N/A  
Luminaire Lumens: 23623.1 lumens  
Efficiency: N/A  
Efficacy: 150.0 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 1.01  
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')  
CIE Type: Direct

Input Watts (W): 157.5  
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 | 101 | 101 | 101 | 98 |  |  |
| 1   | 111 | 108 | 105 | 102 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88 |  |  |
| 2   | 104 | 98  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 85  | 83  | 86  | 83  | 81  | 79 |  |  |
| 3   | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 77  | 84  | 79  | 75  | 81  | 77  | 74  | 79  | 75  | 72  | 70 |  |  |
| 4   | 90  | 81  | 74  | 69  | 88  | 80  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 73  | 68  | 65  | 63 |  |  |
| 5   | 84  | 74  | 67  | 61  | 82  | 73  | 66  | 61  | 71  | 65  | 60  | 69  | 64  | 60  | 67  | 62  | 59  | 57 |  |  |
| 6   | 79  | 68  | 61  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 55  | 64  | 58  | 54  | 62  | 57  | 54  | 52 |  |  |
| 7   | 74  | 63  | 56  | 50  | 73  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 58  | 53  | 49  | 47 |  |  |
| 8   | 70  | 58  | 51  | 46  | 68  | 58  | 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  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 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°    | 1521.2  | 6.4       |
| 10°-20°   | 4187.7  | 17.7      |
| 20°-30°   | 5431.4  | 23.0      |
| 30°-40°   | 4797.0  | 20.3      |
| 40°-50°   | 3777.9  | 16.0      |
| 50°-60°   | 2270.6  | 9.6       |
| 60°-70°   | 712.2   | 3.0       |
| 70°-80°   | 362.5   | 1.5       |
| 80°-90°   | 180.6   | 0.8       |
| 90°-100°  | 65.4    | 0.3       |
| 100°-110° | 66.1    | 0.3       |
| 110°-120° | 62.3    | 0.3       |
| 120°-130° | 55.5    | 0.2       |
| 130°-140° | 47.2    | 0.2       |
| 140°-150° | 39.1    | 0.2       |
| 150°-160° | 27.3    | 0.1       |
| 160°-170° | 14.6    | 0.1       |
| 170°-180° | 4.4     | 0.0       |
| 0°-30°    | 11140.4 | 47.2      |
| 0°-40°    | 15937.4 | 67.5      |
| 0°-60°    | 21985.9 | 93.1      |
| 0°-90°    | 23241.3 | 98.4      |
| 90°-120°  | 193.8   | 0.8       |
| 90°-150°  | 335.6   | 1.4       |
| 90°-180°  | 382.0   | 1.6       |
| 0°-180°   | 23623.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | Flux |
|------|-------|------|
| 0°   | 16126 |      |
| 5°   | 16050 | ###  |
| 15°  | 14989 | 4188 |
| 25°  | 11937 | 5431 |
| 35°  | 7626  | 4797 |
| 45°  | 4707  | 3778 |
| 55°  | 2572  | 2271 |
| 65°  | 695   | 712  |
| 75°  | 341   | 363  |
| 85°  | 166   | 157  |
| 90°  | 59    | 39   |
| 95°  | 60    | 49   |
| 105° | 62    | 66   |
| 115° | 63    | 62   |
| 125° | 62    | 55   |
| 135° | 61    | 47   |
| 145° | 62    | 39   |
| 155° | 58    | 27   |
| 165° | 51    | 15   |
| 175° | 46    | 4    |
| 180° | 46    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°     |         |
|--------|---------|
| 0°     | 16125.6 |
| 2.5°   | 16093.3 |
| 5°     | 16050.1 |
| 7.5°   | 15922.2 |
| 10°    | 15711.3 |
| 12.5°  | 15415.7 |
| 15°    | 14988.8 |
| 17.5°  | 14403.4 |
| 20°    | 13684.3 |
| 22.5°  | 12899.5 |
| 25°    | 11937.1 |
| 27.5°  | 10864.2 |
| 30°    | 9725.7  |
| 32.5°  | 8643.7  |
| 35°    | 7626.4  |
| 37.5°  | 6726.3  |
| 40°    | 5962.3  |
| 42.5°  | 5305.5  |
| 45°    | 4706.7  |
| 47.5°  | 4595.5  |
| 50°    | 4036.6  |
| 52.5°  | 3321.6  |
| 55°    | 2571.8  |
| 57.5°  | 1762.1  |
| 60°    | 1128.5  |
| 62.5°  | 895.2   |
| 65°    | 695.0   |
| 67.5°  | 524.0   |
| 70°    | 420.2   |
| 72.5°  | 371.2   |
| 75°    | 341.3   |
| 77.5°  | 313.9   |
| 80°    | 272.4   |
| 82.5°  | 221.7   |
| 85°    | 166.1   |
| 87.5°  | 109.6   |
| 90°    | 59.0    |
| 92.5°  | 59.0    |
| 95°    | 59.8    |
| 97.5°  | 60.6    |
| 100°   | 61.5    |
| 102.5° | 62.3    |
| 105°   | 62.3    |
| 107.5° | 63.1    |
| 110°   | 63.1    |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 63.1 |
| 115°   | 63.1 |
| 117.5° | 62.3 |
| 120°   | 62.3 |
| 122.5° | 62.3 |
| 125°   | 61.5 |
| 127.5° | 61.5 |
| 130°   | 61.5 |
| 132.5° | 61.5 |
| 135°   | 60.6 |
| 137.5° | 60.6 |
| 140°   | 60.6 |
| 142.5° | 61.5 |
| 145°   | 62.3 |
| 147.5° | 63.1 |
| 150°   | 63.9 |
| 152.5° | 60.6 |
| 155°   | 58.1 |
| 157.5° | 56.5 |
| 160°   | 54.8 |
| 162.5° | 53.1 |
| 165°   | 50.7 |
| 167.5° | 49.0 |
| 170°   | 47.3 |
| 172.5° | 45.7 |
| 175°   | 46.5 |
| 177.5° | 46.5 |
| 180°   | 46.5 |

(END OF REPORT)